

Sembend™ nozzles



What are Sembend nozzles?

SEMBEND™ nozzles have the ability to be reshaped at room temperature without the application of heat or tools. *Sembend* nozzles are available in most of our standard nozzle geometries but some limitations may apply to smaller nozzle configurations.

Why use Sembend nozzles?

It is common practice to apply heat to our standard nozzle product line in order to make the plastic pliable so that operators can custom form a bend or shape suitable for a particular sealant or adhesive application. *Sembend* nozzles simply require an operator to slowly bend the nozzle with their hands to form the shape desired for the application. *Sembend* nozzles have excellent shape retention and the capability to continue to be reshaped if the initial forming needs to be adjusted.

In summary, the benefits include:

- Custom nozzle shapes suitable to each operator's own preference
- Fewer health and safety concerns during the bending process
- Reduced lead time for pre-bent nozzles (on standard *Sembend* nozzle configurations)
- Increased flexibility for the end-customer relative to pre-bent nozzles which limit them to standard angle bends
- *Sembend* nozzles are priced at standard pre-bent nozzle pricing
- *Sembend* nozzles have been proven to improve operator efficiency in the target applications (case studies are available upon request)

Sembend™ nozzles

Sembend nozzle configurations

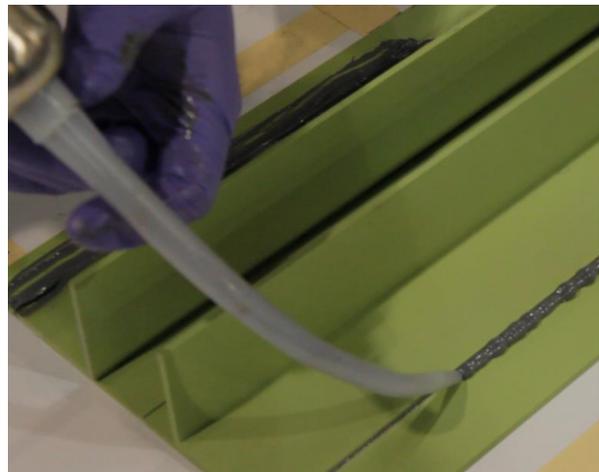
Sembend nozzles are available in most of the standard nozzle configurations. Standard nozzle sizes have been stocked for sampling purposes and can be found below. We have selected the nozzle geometries that we are most commonly asked to bend in advance for customers and believe that these models reflect the majority of demand. However, if additional geometries are requested, we are happy to evaluate the geometry and proceed accordingly. But longer lead/evaluation times may exist.

Readily available Sembend nozzles include:

- 235065 – Sembend Model # 420
- 235061 – Sembend Model # 620
- 235062 – Sembend Model # 640
- 235063 – Sembend Model # 820
- 235064 – Sembend Model # 840
- 235058 – Sembend Model # 8690

Sembend nozzle instructions

- We have selected two common orifice sizes from the 4", 6", and 8" nozzle series (one additional geometry for the 8" series) to be a part of the standard Sembend nozzle offering. All have the ability to be bent at room temperature and by hand. However, as a general rule, the longer nozzles have a greater ability to be bent and at more aggressive angles. Based on our internal evaluation, the 4" nozzles can be bent and will retain their shape, but not as well as the 6" or 8" nozzles.
- When bending the nozzles, bend slowly and hold the nozzle on separate ends with both hands (as opposed to affixing the nozzle to the cartridge and bending holding the end of the cartridge and the tip of the nozzle). Positioning your hands this way will ensure that the bend is at the center of nozzle which is how it is designed to be bent. Ignoring this suggested approach may result in the threads of the nozzle breaking while inside the cartridge.



Sembend is a trademark of PRC-DeSoto International Inc., registered with the U.S. Patent Office.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

Printed in the U.S.A

PRC-DeSoto International, Inc.
12780 San Fernando Road
Sylmar, CA 91342
Telephone (818) 362-6711
Toll Free (800) AEROMIX
www.ppgaerospace.com

Issue Date: 05/17
Supersedes: 06/15
Lit: 4409