





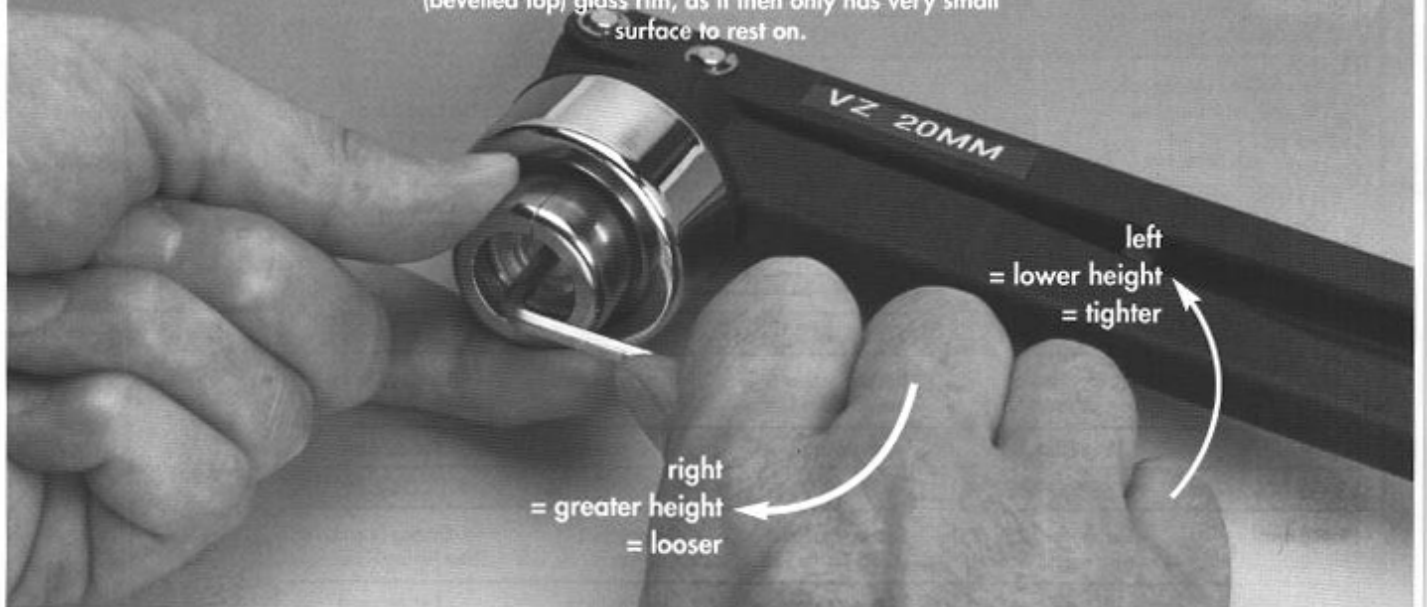


How do I know if a crimped cap on a vial has a proper seal - FAQ

The best way to know if you have a sufficient seal to prevent evaporation or leaking is to take the crimped vial and tightly hold it in your left hand. With your right hand, try to spin the crimped cap on the vial. If it moves even a little, you should remove the cap and adjust the crimping tool as shown below.

| | | | | | |
|--|--|--|---|---|---|
| <p>Correct Crimp</p> <p>Flat cap surface Flat septa surface</p>  <p>Tight fitting of the Aluminium edge Plain + undeformed cap sides</p> |  |  |  |  |  |
| | Untight Aluminium edge | Upward bulge of the crimp cap | Deformation of the crimp cap sides | Convex looking liner | Rounded edges/Upward bulge of the Cap/Liner |
| | Adjust crimping pressure with the screw in the handle + Adjust crimping height with the hexogen key (s. below) | Adjust crimping pressure with the screw in the handle + Adjust crimping height with the hexogen key (s. below) | Adjust crimping height with the hexogen key (s. below) | Adjust crimping pressure with the screw in the handle | Especially with Headspace Caps it is important not to overcrimp them. If the Aluminium is stretched too much under the crimp neck, the bridges of the scorelines suffer too much stress and can break open at even low pressure (below 3 bars) or - in worst case - can even tear apart beside the scorelines (overcrimped) |
| | (undercrimped) | (overcrimped) | (overcrimped) | (overcrimped) | (overcrimped) |

An inappropriate crimp cannot be recognized by trying to turn the Seal, as completely PTFE-laminated liners have a very slippery surface on the glass rim, which allows anyone to turn the cap, if the right torque is used. The turning of the cap is even easier when the liner is sitting on a Headspace (bevelled top) glass rim, as it then only has very small surface to rest on.



Printed from the Chrom Resource Center

Click [HERE](#) for Crimping Tool ordering information and pictures

MicroSolv Technology Corporation
9158 Industrial Blvd. NE, Leland, NC 28451
tel. (732) 380-8900, fax (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com

Date: 07-03-2024