



#279 & #279-XT SMOK SPEC PLUNGER Spectacle Kit

INSTRUCTIONS FOR PROPER PLACEMENT OF FRAME IN AIR MASK: The corrected #279 Plunger spectacle is suctioned onto the upper midline inner surface of the face plate so that the user looks through the centers of the prescription lenses. Once the frame is properly located in the mask, the user should permanently mark the outer surface of the face plate opposite the suction cup. This mark will serve as a future reference point for quickly positioning the suction cup on the inside of the face plate. For proper horizontal alignment of the spectacle in the air mask, align the horizontal white reference line visible on the top of the frame carrier parallel to top edge of the mask.

Always moisten the inside of the suction cup prior to positioning it on the face plate. All contact surfaces must be clean for proper suction. **PROLONGED USE OR EXPOSURE OF THE SUCTION CUP IN EXTREMELY HOT AND/OR HUMID CONDITIONS MAY CAUSE RELEASE OR SLIPPAGE.** For such adverse environmental conditions, it is strongly recommended that consideration be given to using the ULTRA Smok Spec spectacles (#233TS or #411) which utilize brackets bonded onto the face plate.

The #279 Plunger is designed to be used in all but the deepest air masks. The uniquely designed “T” shaped frame carrier allows for anterior-posterior ($\leftarrow\rightarrow$) adjustability of the suction cup assembly so that the frame can be positioned on the face plate at the proper vertex distance (approximately 14 mm) from the user’s eyes. When the #279 Plunger is used in newer, shallower air masks, the suction cup assembly is screwed clockwise until the base of the suction cup abuts the surface of the frame carrier. In older, deeper air masks, the suction cup assembly is screwed counter-clockwise to extend the cup as far as necessary (range = 1 to 6 mm) to adjust for proper vertex distance.

For very deep air masks, the #279 XT-Smok Spec Plunger should be used. Front to back adjustment of the visually corrected frame is accomplished by screwing the suction cup in or out of the anchor bracket. Vertical adjustment of the frame is accomplished by sliding the “T” shaped frame carrier up or down the anchor bracket’s receiving channel or by repositioning the suction cup on the face plate as required. The #279-XT possesses ultimate convertibility. The suction cup can be unscrewed from the back of the bracket and threaded into the upper hole on the “T” shaped frame carrier (Figure 1). This reconfigures the spectacle into a #279 Plunger unit. If desired, the remaining bracket can be bonded into any low-volume air mask using silicon cement to create an ULTRA SmokSpec.

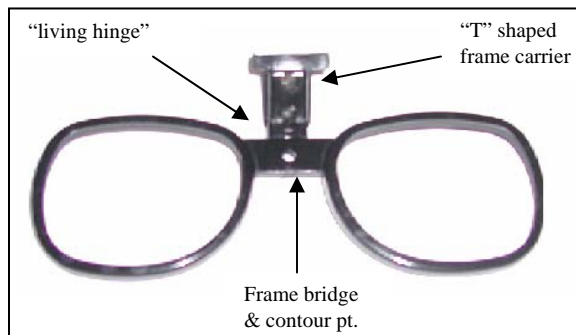


FIGURE 1



FIGURE 2

NOTE TO OPTICIAN: This frame front can be reconfigured to accommodate different lens patterns. For lower volume air masks or bifocal Rx's, the “Classic” pattern is suggested. For higher volume air masks or single vision Rx's, the “S-11” pattern is suggested. When in doubt, use the “Classic” pattern. This frame’s eye shape can be altered to a “Classic” configuration by edging the lenses with a “Classic” pattern (± 149 mm lens circumference). The frame front should be contoured (manually or thermally) to approximate the curvature of the face plate. To contour the frame front, bend or fold the frame inward around its contour point (see Figures 1 and 2). To change the frame’s pantoscopic angle or tilt before the user’s eyes, manually bend the frame carrier forward or backward at the “living hinge” (see Figures 1 and 2). The front of the frame should be angled so that the distance of the lenses from the user’s eyes is approximately 14 mm. A properly positioned frame should not make contact with the user’s face. Users should adjust the frame angle before their eyes to meet their individual comfort level.

WARRANTY (excluding lenses): Two years against breakage or defects if properly cared for. **Proper care entails soaking the nylon frame in water for approximately 24 hours every 2-3 months.**