

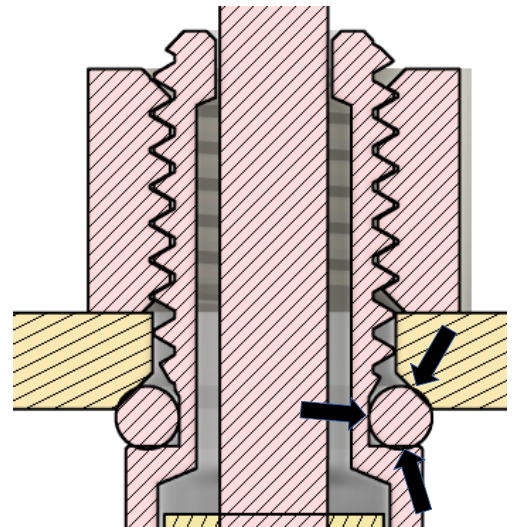
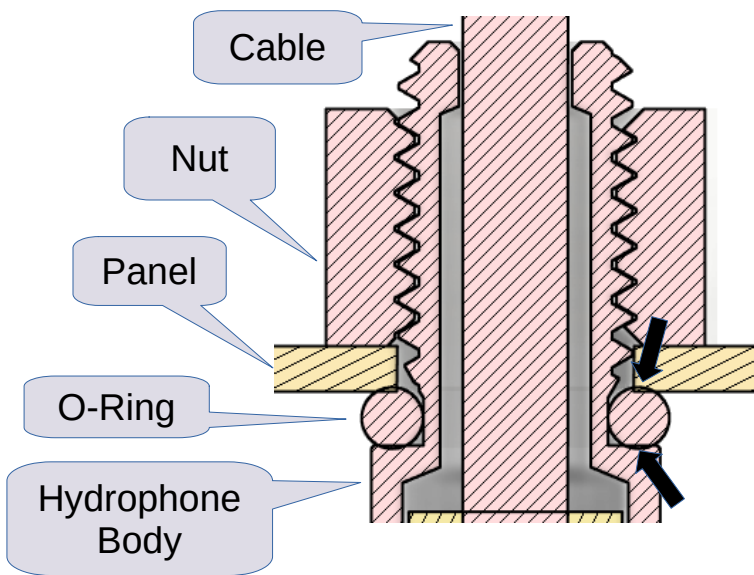
Panel-mounting hydrophones and penetrators

Drawings below reference S1 hydrophone body with M10x1.5 threaded stem, but information herein is applicable the A5 hydrophone, as well as similar hydrophones and cable penetrators.

Recommended dimensions for chamfer and counterbore are for o-ring and nut provided in our M10-PMK: size 109 (3/32" (2.6mm)) 70d Buna o-ring and Essentra 04M100150HN nylon nut. Installer should verify needs based on their requirements.

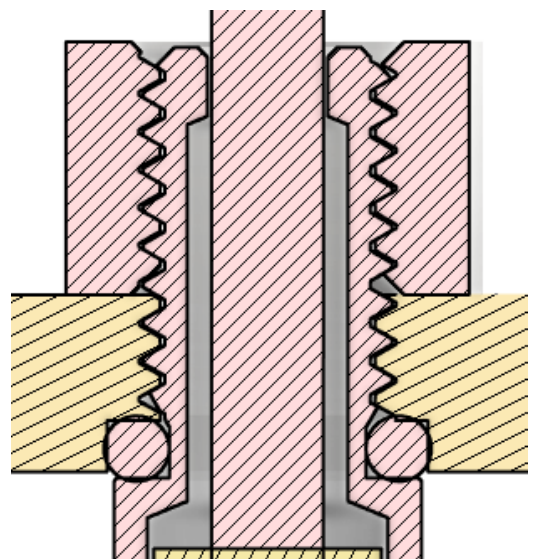
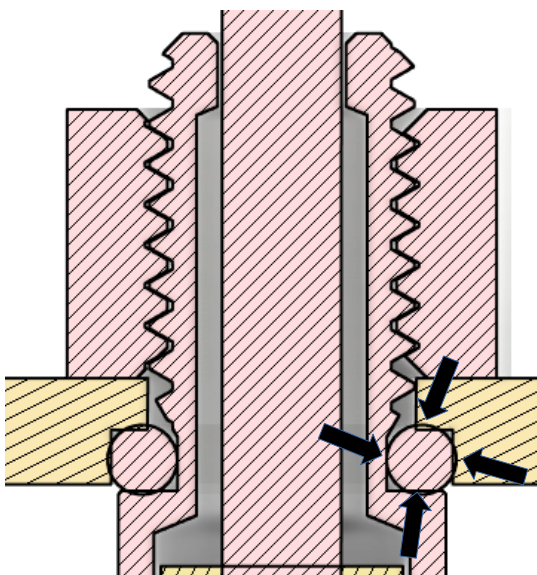
We recommend not crushing the O-ring to more than 65% of original diameter. For recommended o-ring, that would equate to ½ turn after first seating against panel. **Do not apply torque to rubber hydrophone encapsulation.**

Aquarian will accept no liability for damage caused by failure of panel-mount seal. Installer should verify clean, smooth contact surfaces. Use of a silicone grease is recommended for critical and high-pressure applications.



Straight 10mm hole through panel. Clamping force provides two points of contact for sealing (see arrows above). Positive pressure outside panel retains o-ring. Friction accommodates any common negative pressure. Sufficient for nearly all applications.

10mm hole with minimum 1mm chamfer provides three points of contact for sealing. O-ring fully retained against positive and negative pressure.



10mm hole with Ø12.5mm x 2mm deep counterbore provides four points of contact for sealing. O-ring fully retained against positive and negative pressure.

For high-pressure applications: Counterbore as at left, but panel is threaded with lock nut. Prevents crushing of o-ring under pressure and takes up play in thread for rigid mounting.