There is 2 mm space between the top of IVC and top of the taper part. The center of sample needs to be 1.75” below the mounting flange. Maximum length is 86 mm. Otherwise touching the IVC bottom. Active length is 19-70mm. Sample diameter < 70 mm (the smaller the better) with a 5/16-18 bolt less than 1/4” long on top of it. We also may need to make centering jig out of nylon because the mounting flange wiggles a little and is NOT centered to great precision.