4.6 Cylindrical Vs

The relief surfaces of V-pleats will flex in many directions. One obvious way to flex them is to bend the surface into a cylinder, then glue the ends together to make the cylinder permanent. Here are two simple examples, though you could design many others. You will find that these designs become very flexible, almost like toys.

This rectangle is proportioned approximately 6 x 1 and is divided into 64. One division is cut off, so that when the paper is folded and bent into a cylinder, there is a glued overlap of just one division. The long V-pleat can be made from a pre-folded grid of diagonals, or drawn and folded by hand.