

19. The needle assembly (100) of any preceding claim, wherein the pad (194) comprises a first surface and an opposed second surface and wherein a plurality of gripping features (310) are incorporated with the first surface, the second surface, or both.

20. A method of manufacturing a needle assembly (100) comprising:

5 forming a first hub (102) with a tubing (105) extending therefrom, said tubing (105) having a lumen and a distal opening;

forming a second hub (104) with a needle (106) extending therefrom, said needle comprising a needle tip (108) with a needle bevel (200) and said second hub (104) comprising a body (140) comprising an exterior surface (154) and an interior surface defining an interior
10 cavity (144), said needle (106) extending through the lumen with the needle tip (108) extending distally of the distal opening of the tubing (105);

placing a clip ring (180) of an extension clip (170) around the exterior surface (154) of the second hub (104) and orientating a free end (196) of a pad (194) of a grip extension (182) in a distal direction and an inside edge of the pad (194) spaced from the exterior surface (154) of
15 the second hub (104); and

providing interior interference elements (216) in a bore of the clip ring (180) for mating with exterior interference elements (166) on the exterior surface (154) of the second hub (104).