

CLAIMS

1. An IV catheter system comprising an insertion configuration, the IV catheter system comprising:
 - a catheter component comprising:
 - a catheter hub comprising a catheter hub distal end and a catheter hub proximal end and a needle port at the catheter hub proximal end;
 - a cannula extending distally from the catheter hub distal end; and
 - a securement platform comprising a wing extending from a side of the catheter hub, the wing having a generally planar shape; and
 - a needle component comprising:
 - a needle hub comprising a needle hub distal end, a needle hub proximal end, and an actuator button, wherein the actuator button is disposed on a top portion of the needle hub;
 - a needle extending distally from the needle hub distal end along an axis, wherein the actuator button is configured to retract the needle into the needle hub such that the needle is entirely enclosed within the needle hub in the fluid delivery configuration, wherein the wing of the securement platform is generally perpendicular to the axis; and
 - a grip extending from the needle hub, wherein the grip is generally perpendicular to the axis and disposed on a side of the needle hub, wherein the grip is disposed on a same side of the IV catheter system as the wing and generally parallel to the wing, wherein, in the insertion configuration, the needle is positioned within the cannula and the needle hub distal end is seated in the needle port.
2. The IV catheter system of claim 1, wherein, in the insertion configuration, a distal end of the grip contacts a proximal end of the first wing.
3. The IV catheter system of claim 1, wherein the grip is a first grip, wherein the needle component further comprises a second grip opposite the first grip, wherein the actuator button is disposed between the first grip and the second grip.
4. The IV catheter system of claim 1, wherein, in the insertion configuration, a proximal portion of an upper surface of the grip is coplanar with an upper surface of the wing.
5. The IV catheter system of claim 4, wherein a distal portion of the upper surface of the grip comprises a support surface stepped down from the proximal portion of the upper surface, wherein, in the insertion configuration, at least a portion of a bottom surface of the wing contacts the support surface of the grip.
6. The IV catheter system of claim 5, wherein, in the insertion configuration, an entire bottom surface of the wing contacts the support surface of the grip.
7. The IV catheter system of claim 5, wherein, during motion of the IV catheter system from the insertion configuration toward a fluid delivery configuration, at least a portion of the bottom surface of the wing slides along the support surface of the grip.

8. The IV catheter system of claim 1, wherein the needle hub further comprises at least one gripping protrusion, wherein the gripping protrusion is disposed proximal to the grip.