**CLAIMS**

1. A ~~device~~ wellhead assembly, comprising:

a tubing head;

an adapter disposed in axial abutment with the tubing head;

an annular recess at an axial interface between the tubing head and the adapter; and

a bypass sleeve configured to fit at least partially within the wellhead assembly~~; and~~

~~an anti-rotation device coupled to the bypass sleeve, wherein the anti-rotation device is configured to impede the bypass sleeve from rotating relative to the wellhead assembly~~.

2. The ~~device~~ wellhead assembly of claim 1, wherein the bypass sleeve is configured to fit entirely within the wellhead assembly.

3. The ~~device~~ wellhead assembly of claim 1, wherein the bypass sleeve is configured to be installed through a blowout preventer coupled to the wellhead assembly.

4. The ~~device~~ wellhead assembly of claim 1, wherein the bypass sleeve is a full-bore bypass sleeve.

5. The ~~device~~ wellhead assembly of claim 1, wherein the bypass sleeve comprises a lock ring.

6. The wellhead assembly of claim 1, comprising an anti-rotation device coupled to the bypass sleeve, wherein the anti-rotation device is configured to impede the bypass sleeve from rotating relative to the wellhead assembly.

~~6~~7. The ~~device~~ wellhead assembly of claim ~~1~~6, wherein the anti-rotation device is configured to enable the bypass sleeve to translate axially through the wellhead assembly while the anti-rotation device is coupled to the bypass sleeve.

~~7~~8. The ~~device~~ wellhead assembly of claim ~~1~~6, wherein the anti-rotation device comprises:

a spring disposed in a cavity in the bypass sleeve; and

an anti-rotation member biased away from the bypass sleeve by the spring.

~~8. A system, comprising:~~

~~a wellhead assembly, comprising~~

~~a tubing head; and~~

~~a bypass sleeve comprising an anti-rotation device, wherein the bypass sleeve is disposed at least partially in the tubing head; and~~

~~an anti-rotation member extending between the wellhead assembly and the bypass sleeve.~~

~~9. The system of claim 8, wherein the wellhead assembly comprises a blowout preventer coupled to the tubing head.~~

~~10. The system of claim 9, wherein the wellhead assembly comprises an adapter coupling the blowout preventer to the tubing head.~~

~~11. The device of claim 10, wherein the adapter comprises a lock-ring receptacle.~~

~~12. The device of claim 10, wherein the adapter comprises a cavity shaped to receive an anti-rotation member.~~

~~13. The device of claim 8, comprising a well coupled to the wellhead assembly.~~

~~14. A method, comprising:~~

~~inserting a bypass sleeve into a wellhead assembly through a blowout preventer, wherein inserting the bypass sleeve causes an anti-rotation member to bias a resilient member; and~~

~~coupling the bypass sleeve to the wellhead assembly with a lock ring.~~

~~15. The method of claim 14, wherein coupling the bypass sleeve to the wellhead assembly comprises rotating the bypass sleeve until the anti-rotation member at least partially un-biases the resilient member.~~

~~16. The method of claim 14, comprising:~~

~~disengaging the lock ring from the wellhead assembly; and~~

~~removing the bypass sleeve from the wellhead assembly, wherein removing the bypass sleeve causes the anti-rotation member to bias the resilient member.~~

~~17. The method of claim 14, comprising fracing a well coupled to the wellhead assembly.~~

~~18. A device, comprising:~~

~~a bypass sleeve, comprising:~~

~~first external threads configured to secure the bypass sleeve to a wellhead assembly;~~

~~an interface disposed on an external surface of the bypass sleeve, wherein the interface is configured to secure a pressure barrier that impedes fluid flow through the bypass sleeve in at least one direction.~~

~~19. The device of claim 18, wherein the interface comprises second external threads disposed near a distal portion of the bypass sleeve.~~

~~20. The device of claim 18, wherein the first external threads define the widest portion of the bypass sleeve.~~

~~21. The device of claim 18, wherein the bypass sleeve is a full-bore bypass sleeve.~~

~~22. The device of claim 18, comprising:~~

~~an intermediary member coupled to the interface; and~~

~~a pressure barrier coupled to the intermediary member.~~

~~23. A system, comprising:~~

~~a wellhead assembly;~~

~~a bypass sleeve disposed at least partially within the wellhead assembly; and~~

~~a sleeve restraint comprising an actuator configured to selectively restrain the bypass sleeve in the wellhead assembly.~~

~~24. The system of claim 23, wherein the actuator comprises a hydraulic actuator.~~

~~25. The system of claim 23, wherein the wellhead assembly comprises an adapter coupling the sleeve restraint to the wellhead assembly.~~

~~26. The system of claim 25, wherein:~~

~~the adapter comprises a cavity; and~~

~~the sleeve restraint comprises a restraining member at least partially disposed in the cavity.~~

~~27. The system of claim 26, wherein the restraining member comprises a lock ring.~~

~~28. A device, comprising:~~

~~a bypass sleeve comprising:~~

~~a tool interface;~~

~~a shear pin coupled to the tool interface; and~~

~~a body coupled to the tool interface by the shear pin.~~

~~29. The device of claim 28, comprising a bushing disposed at least partially about the body and coupling the shear pin to the tool interface.~~

~~30. The device of claim 28, comprising a compression seal disposed at least partially about the body.~~

~~31. The device of claim 30, comprising a bushing coupled to the body by threads.~~

~~32. The device of claim 28, wherein the body comprises external threads configured to couple the body to a wellhead assembly.~~

~~33. The device of claim 28, comprising:~~
~~a guide member coupled to the tool interface; and~~
~~a groove in the body, wherein the guide member is disposed in the groove.~~

~~34. The device of claim 33, wherein the guide member has two or fewer degrees of freedom relative to the body.~~

~~35. A method, comprising:~~
~~rotating a tool interface that rotates a body of a bypass sleeve, wherein the tool interface transmits torque to the body through a shear pin;~~
~~attaching the body to a wellhead assembly; and~~
~~shearing the shear pin by rotating the tool after the body is attached to the wellhead assembly.~~

~~36. The method of claim 35, comprising compressing a compression seal after shearing the shear pin.~~

~~37. The method of claim 35, comprising fracing a well by flowing a fracing fluid through the bypass sleeve.~~

~~38. The method of claim 35, comprising rotating the tool interface in another direction without rotating the body until a guide member is obstructed.~~

~~39. A device, comprising:~~

~~a bypass sleeve comprising:~~

~~a bushing having threads configured to secure the bushing to a wellhead assembly;~~

~~a guide member extending between the body and the bushing;~~

~~a groove in which the guide member is at least partially disposed; and~~

~~a body linked to the bushing by the guide member and the groove.~~

~~40. The device of claim 39, wherein the body is disposed at least partially within the bushing.~~

~~41. The device of claim 39, wherein the groove is configured to enable the bushing to rotate freely and translate axially within a range defined by the groove.~~

~~42. The device of claim 39, wherein the guide member extends from the bushing and the groove is in the body.~~

~~43. The device of claim 39, wherein the guide member extends from the body and the groove is in the bushing.~~

~~44. A system, comprising:~~

~~a wellhead assembly;~~

~~a bypass sleeve disposed in the wellhead assembly; and~~

~~a pressure-barrier adapter disposed in the wellhead assembly, wherein the pressure-barrier adapter is configured to couple to a pressure barrier that impedes fluid~~

~~from flowing through the bypass sleeve, and wherein the pressure-barrier adapter is not coupled to the bypass sleeve.~~

~~45. The system of claim 44, wherein the pressure-barrier adapter is coupled to the wellhead assembly.~~

~~46. The system of claim 45, wherein the pressure-barrier adapter is threaded to a tubing head of the wellhead assembly.~~

~~47. The system of claim 44, wherein the pressure barrier adapter comprises internal threads configured to couple to the pressure barrier and the bypass sleeve comprises external threads configured to couple to the wellhead assembly.~~

~~48. The system of claim 47, wherein the internal threads are threaded in an opposite direction from the external threads.~~

~~49. A device, comprising:~~

~~a bypass sleeve configured to be secured within a wellhead assembly; and~~

~~a removable bushing configured to be secured within the bypass sleeve, wherein the removable bushing is configured to secure a pressure barrier within the removable bushing.~~

~~50. The device of claim 49, wherein the removable bushing comprises a first threading on a radially interior face, wherein the first threading is configured to mate with a second threading on a radially exterior face of the pressure barrier.~~

~~51. The device of claim 49, comprising the pressure barrier.~~

~~52. The device of claim 49, wherein the removable bushing is secured in place within the bypass sleeve by a snap ring, a pin, or a combination thereof.~~