CLAIMS

What is claimed is:

1. A system for securing jumper tubes, the system comprising:

a first jumper tube comprising teeth extending along a circumference of the first jumper tube;

a second jumper tube comprising apertures, the first jumper tube movably disposed within the second jumper tube; and

a retaining clip disposed within the apertures, portions of the retaining clip operable to engage or disengage the teeth while the retaining clip is disposed within the apertures, wherein the retaining clip is removable from the apertures, wherein straight portions of the retaining clip are operable to extend or retract through the second jumper tube to pass between the teeth of the first jumper tube, wherein profiles of the teeth are angled to allow for extension of the first jumper tube and not retraction of the first jumper tube while the retaining clip engages the teeth, wherein a tooth at a distal end of the first jumper tube includes a profile that is different than profiles of the other teeth.

2. The system of claim 1, wherein the teeth are positioned on an outer surface of the first jumper tube, wherein at least one tooth is operable to prevent complete separation of the first jumper tube from the second jumper tube or limit extension of the first jumper tube.

3. The system of claim 1, wherein the profile is operable to prevent loss of a seal between the jumper tubes.

4. The system of claim 3, wherein the seal is disposed adjacent to the tooth at the distal end of the first jumper tube.

5. The system of claim 1, wherein the first jumper tube is coupled to an outer surface of completion equipment or production equipment.

6. A system for securing jumper tubes, the system comprising:

a first jumper tube comprising teeth extending along a circumference of the first jumper tube;

a jumper tube comprising apertures, the first jumper tube movably disposed within the second jumper tube;

a retaining clip disposed within the apertures, portions of the retaining clip operable to engage or disengage the teeth while the retaining clip is disposed within the apertures, wherein the retaining clip is removable from the apertures, wherein straight portions of the retaining clip are operable to extend or retract through the second jumper tube to pass between the teeth of the first jumper tube, wherein profiles of the teeth are angled to allow for extension of the first jumper tube and not retraction of the first jumper tube while the retaining clip engages the teeth, wherein a tooth at a distal end of the first jumper tube includes a square profile, wherein profiles of the other teeth include triangular profiles.

7. A system for securing jumper tubes, the system comprising:

a first jumper tube comprising teeth extending along a circumference of the first jumper tube;

a second jumper tube comprising apertures, the first jumper tube movably disposed within the second jumper tube; and

a retaining clip disposed within the apertures, portions of the retaining clip operable to engage or disengage the teeth while the retaining clip is disposed within the apertures, wherein the retaining clip is removable from the apertures, wherein straight portions of the retaining clip are operable to extend or retract through the second jumper tube to pass between the teeth of the first jumper tube, wherein profiles of the teeth are angled to allow for extension of the first jumper tube and not extraction of the first jumper tube while the retaining clip engages the teeth, wherein an o-ring is disposed around a distal end of the first jumper tube.

8. The system of claim 7, wherein the o-ring is disposed between teeth that are shaped differently.

9. A system for securing jumper tubes, the system comprising:

a plurality of first jumper tubes comprising teeth;

a plurality of second jumper tubes comprising apertures, the first jumper tubes movably disposed within the second jumper tubes;

a plurality of retaining clips operable to pass through the apertures to contact the teeth of the first jumper tubes, wherein each retaining clip is removable from the apertures, wherein straight portions of the retaining clips are operable to extend or retract through the second jumper tubes to pass between the teeth of the first jumper tubes;

a downhole tool, wherein the first and second jumper tubes are disposed around the downhole tool;

wherein the teeth are tapered to allow extension of the first jumper tubes from within the second jumper tubes and prevent retraction of the first jumper tubes into the second jumper tubes;

wherein profiles of the teeth are operable to allow for unilateral movement of the first jumper tubes while the retaining clips engage the teeth; and

wherein a tooth at a distal end of the first jumper tube includes a profile that is different than profiles of the other teeth.

10. The system of claim 9, wherein portions of the retaining clips are operable to engage the teeth while the retaining clips are disposed within the apertures.

11. The system of claim 10, wherein the portions of the retaining clips are operable to disengage the teeth while the retaining clips are disposed within the apertures.

12. The system of claim 9, wherein the downhole tool comprises completion equipment or production equipment.

13. The system of claim 9, wherein at least one tooth is a sacrificial point for load control.

14. The system of claim 9, wherein the teeth extend along a circumference of the first jumper tube.

15. The system of claim 9, wherein the teeth are arranged in bands.

16. A method for securing jumper tubes, the method comprising:

adjusting a position of a first jumper tube within a second jumper tube, wherein the first jumper tube is movably disposed within the second jumper tube; and

locking the first jumper tube in place with a retaining clip that engages teeth of the first jumper tube, wherein the retaining clip is removable from apertures of the second jumper tube, wherein straight portions of the retaining clip are operable to extend or retract through the second jumper tube to pass between the teeth of the first jumper tube, wherein profiles of the teeth are operable to allow for unilateral movement of the first jumper tube while the retaining clip engages the teeth; and

adjusting the first jumper tube within the second jumper tube via ratcheting.

17. The method of claim 16, further comprising extending the first jumper tube from the second jumper tube while the retaining clip is engaged with the teeth.

18. The method of claim 16, further comprising disposing the first jumper tube in a wellbore.

19. The method of claim 18, further comprising disposing the second jumper tube in the wellbore.

20. The method of claim 19, further comprising receiving gravel with the first jumper tube, and the second jumper tube.