WHAT IS CLAIMED IS:

1. A tool assembly comprising:

a first selectively flexible tool comprising a first plurality of sequentially arranged links moveable between a slacked position and a tensioned position; and

a second selectively flexible tool comprising a second plurality of sequentially arranged links moveable between a slacked position and a tensioned position, the second plurality of sequentially arranged links moveable over or through the first plurality of sequentially arranged links.

2. The tool assembly of claim 1, wherein the first selectively flexible tool defines a first outer diameter, wherein the second plurality of sequentially arranged links of the second selectively flexible tool define a second hollow tube defining a second inner diameter, wherein the first outer diameter of the first selectively flexible tool is less than the second inner diameter of the second hollow tube of the second plurality of sequentially arranged links such that the second plurality of sequentially arranged links of the second selectively flexible tool are moveable over the first plurality of sequentially arranged links of the first selectively flexible tool.

3. The tool assembly of claim 1, wherein the first plurality of sequentially arranged links of the first selectively flexible tool are spaced from one another when in the slacked position to allow the plurality of sequentially arranged links to pivotably move relative to one another, and wherein the plurality of sequentially arranged links are pressed against one another when in the tensioned position to rigidly fix the first plurality of sequentially arranged links to one another.

4. The tool assembly of claim 1, wherein the first selectively flexible tool further comprises a line operable with the first plurality of sequentially arranged links to move the first plurality of sequentially arranged links between a slacked position and a tensioned position.

5. The tool assembly of claim 1, wherein the second plurality of sequentially arranged links of the second selectively flexible tool comprises a plurality of joint members and a plurality of link members, wherein each joint member is positioned between adjacent link members.

6. The tool assembly of claim 5, wherein each of the plurality of joint members defines a first longitudinal opening, wherein each of the plurality of link members defines a second longitudinal opening, and wherein the second selectively flexible tool further comprises a line assembly extending through the first longitudinal opening of each joint member of the plurality of joint members and further extending through the second longitudinal opening of each link member of the plurality of link members.

7. The tool assembly of claim 6, wherein the first longitudinal opening of each joint member extends through a joint member centerline of the respective joint member, and wherein the second longitudinal opening of each link member extends through a link member centerline of the respective link member.

8. The tool assembly of claim 5, wherein each of the plurality of joint members extends between a first end and a second end, and wherein the first end and second end of each joint member defines a convex surface.

9. The tool assembly of claim 8, wherein each link member of the plurality of link members extends between a first end and a second end, and wherein the first end and second end of each link member defines a concave opening mateable with a convex surface of an adjacent joint member.

10. The tool assembly of claim 8, wherein each of the plurality of joint members defines a substantially spherical shape, and wherein each of the plurality of link members defines a substantially cylindrical shape.

11. A method for operating a tool assembly within an environment comprising:

~~inserting a first selectively flexible tool into the environment while the first selectively flexible tool is in a slacked position;~~

~~moving the first selectively flexible tool to a tensioned position;~~

~~positioning a second selectively flexible tool at least partially over or through the first selectively flexible tool while the second selectively flexible tool is in a slacked position; and~~

~~moving the second selectively flexible tool to a tensioned position.~~

~~12. The method of claim 11, wherein inserting the first selectively flexible tool into the environment comprises inserting a first plurality of links of the first selectively flexible tool while the first plurality of links is in a slacked position, and wherein moving the first selectively flexible tool to the tensioned position comprises moving the first plurality of links of the first selectively flexible tool to a tensioned position.~~

~~13. The method of claim 12, wherein the first plurality of links of the first selectively flexible tool define a hollow tube extending therethrough when in the tensioned position, and wherein positioning the second selectively flexible tool at least partially over or through the first selectively flexible tool comprises positioning the second selectively flexible tool at least partially through the hollow tube of the first plurality of links of the first selectively flexible tool.~~

~~14. The method of claim 11, wherein positioning the second selectively flexible tool at least partially over or through the first selectively flexible tool while the second selectively flexible tool is in the slacked position comprises positioning a distal end of the second selectively flexible tool proximate a distal end of the first selectively flexible tool.~~

~~15. The method of claim 11, wherein positioning the second selectively flexible tool at least partially over or through the first selectively flexible tool while the second selectively flexible tool is in the slacked position comprises positioning the second~~

~~selectively flexible tool at least partially over the first selectively flexible tool.~~

~~16. The method of claim 11, further comprising:~~

~~moving the first selectively flexible tool to slacked position subsequent to moving the second selectively flexible tool to the tensioned position; and~~

~~removing the first selectively flexible tool from the environment.~~

~~17. The method of claim 16, wherein further comprising:~~

~~positioning a third selectively flexible tool at least partially over or through the second selectively flexible tool while the third selectively flexible tool is in a slacked position; and~~

~~moving the third selectively flexible tool to a tensioned position.~~

~~18. The method of claim 17, further comprising:~~

~~moving the second selectively flexible tool to the slacked position subsequent to moving the third selectively flexible tool to the tensioned position; and~~

~~removing the second selectively flexible tool from the environment.~~

~~19. The method of claim 17, wherein the first selectively flexible tool defines a first outer diameter, wherein the third selectively flexible tool defines a third outer diameter, and wherein the third outer diameter is substantially equal to the first outer diameter.~~

~~20. The method of claim 19, wherein the second selectively flexible tool defines a hollow tube defining a second inner diameter, and wherein the second inner diameter is greater than the first outer diameter and the third outer diameter.~~

~~21. The method of claim 17, wherein the first selectively flexible tool defines a first hollow tube defining a first inner diameter, wherein the third selectively flexible tool defines a third hollow tube defining a third inner diameter, and wherein the third inner diameter is substantially equal to the first inner diameter.~~

22. The method of claim 21, wherein the second selectively flexible tool defines a second outer diameter, and wherein the second outer diameter is less than the first inner diameter and the third inner diameter.

23. The method of claim 11, wherein the first selectively flexible tool comprises a first plurality of sequentially arranged links movable between a slacked position when the first selectively flexible tool as in the slacked position and a tensioned position when the first selectively flexible tool is in the tensioned position.

24. The method of claim 23, wherein the second selectively flexible tool comprises a second plurality of sequentially arranged links movable between a slacked position when the second selectively flexible tool is in the slacked position and a tensioned position when the second selectively flexible tool is in the tensioned position.

25. The method of claim 23, wherein the second selectively flexible tool comprises a plurality of joint members, a plurality of link members, and a line assembly, wherein each joint member is positioned between adjacent link members and defines a first longitudinal opening, wherein each of the plurality of link members defines a second longitudinal opening, and wherein the line assembly extends through the first longitudinal opening of each joint member of the plurality of joint members and further extends through the second longitudinal opening of each link member of the plurality of link members.

26. The method of claim 23, wherein the environment is an interior of a gas turbine engine.

27. The method of claim 26, wherein inserting the first selectively flexible tool into the environment while the first selectively flexible tool is in the slacked position comprises inserting the first selectively flexible tool into the gas turbine engine through an opening in the gas turbine engine.

~~1. The method of claim 27, wherein the opening is a borescope opening.~~

1. A tool assembly comprising:

a first selectively flexible tool comprising a first plurality of sequentially arranged links moveable between a slacked position and a tensioned position; and

a second selectively flexible tool comprising a second plurality of sequentially arranged links moveable between a slacked position and a tensioned position, the second plurality of sequentially arranged links moveable over or through the first plurality of sequentially arranged links,

wherein the second plurality of sequentially arranged links define a second overall length that is greater than a first overall length of the first plurality of sequentially arranged links in the tensioned position.

2. The tool assembly of claim 1, wherein the first selectively flexible tool defines a first outer diameter, wherein the second plurality of sequentially arranged links of the second selectively flexible tool define a second hollow tube defining a second inner diameter, wherein the first outer diameter of the first selectively flexible tool is less than the second inner diameter of the second hollow tube of the second plurality of sequentially arranged links such that the second plurality of sequentially arranged links of the second selectively flexible tool are moveable over the first plurality of sequentially arranged links of the first selectively flexible tool.

3. A tool assembly comprising:

a first selectively flexible tool comprising a first plurality of sequentially arranged links moveable between a slacked position and a tensioned position; and

a second selectively flexible tool comprising a second plurality of sequentially arranged links moveable between a slacked position and a tensioned position, the second plurality of sequentially arranged links moveable over or through the first plurality of sequentially arranged links,

wherein the first plurality of sequentially arranged links of the first selectively flexible tool are spaced from one another when in the slacked position to allow the first plurality of sequentially arranged links to pivotably move relative to one another,

and wherein the first plurality of sequentially arranged links are pressed against one another when in the tensioned position to rigidly fix the first plurality of sequentially arranged links to one another.

4. The tool assembly of claim 1, wherein the first selectively flexible tool further comprises a line operable with the first plurality of sequentially arranged links to move the first plurality of sequentially arranged links between a slacked position and a tensioned position.

5. The tool assembly of claim 1, wherein the second plurality of sequentially arranged links of the second selectively flexible tool comprises a plurality of joint members and a plurality of link members, wherein each joint member is positioned between adjacent link members.

6. The tool assembly of claim 5, wherein each of the plurality of joint members defines a first longitudinal opening, wherein each of the plurality of link members defines a second longitudinal opening, and wherein the second selectively flexible tool further comprises a line assembly extending through the first longitudinal opening of each joint member of the plurality of joint members and further extending through the second longitudinal opening of each link member of the plurality of link members.

7. The tool assembly of claim 6, wherein the first longitudinal opening of each joint member extends through a joint member centerline of the respective joint member, and wherein the second longitudinal opening of each link member extends through a link member centerline of the respective link member.

8. The tool assembly of claim 5, wherein each of the plurality of joint members extends between a first end and a second end, and wherein the first end and the second end of each joint member defines a convex surface.

9. The tool assembly of claim 8, wherein each link member of the

plurality of link members extends between a first end and a second end, and wherein the first end and the second end of each link member defines a concave opening mateable with a convex surface of an adjacent joint member.

10. A tool assembly comprising:

a first selectively flexible tool comprising a first plurality of sequentially arranged links moveable between a slacked position and a tensioned position; and

a second selectively flexible tool comprising a second plurality of sequentially arranged links moveable between a slacked position and a tensioned position, the second plurality of sequentially arranged links moveable over or through the first plurality of sequentially arranged links,

wherein the second plurality of sequentially arranged links of the second selectively flexible tool comprises a plurality of joint members and a plurality of link members, wherein each joint member is positioned between adjacent link members,

wherein each of the plurality of joint members extends between a first end and a second end, and wherein the first end and the second end of each joint member defines a convex surface,

wherein each of the plurality of joint members defines a substantially spherical shape, and wherein each of the plurality of link members defines a substantially cylindrical shape.

11. The tool assembly of claim 1, wherein the first selectively flexible tool defines a predefined shape in the tensioned position such that the first selectively flexible tool is positioned at a desired orientation.

12. The tool assembly of claim 1, wherein the second overall length is at least about 25 percent greater than the first overall length.

13. The tool assembly of claim 1, further comprising:

a third selectively flexible tool comprising a third plurality of sequentially arranged links moveable between a slacked position and a tensioned position.

14. The tool assembly of claim 13, wherein the third selectively flexible tool is moveable over or through the second selectively flexible tool in the slacked position

15. The tool assembly of claim 13, wherein the first selectively flexible tool defines a first outer diameter, wherein the third selectively flexible tool defines a third outer diameter, and wherein the third outer diameter is substantially equal to the first outer diameter.

16. The tool assembly of claim 15, wherein the second selectively flexible tool defines a second hollow tube defining a second inner diameter, and wherein the second inner diameter is greater than the first outer diameter and the third outer diameter.

17. The tool assembly of claim 15, wherein the first selectively flexible tool defines a first hollow tube defining a first inner diameter, wherein the third selectively flexible tool defines a third hollow tube defining a third inner diameter, and wherein the third inner diameter is substantially equal to the first inner diameter.

18. The tool assembly of claim 17, wherein the second selectively flexible tool defines a second outer diameter, and wherein the second outer diameter is less than the first inner diameter and the third inner diameter.

19. The tool assembly of claim 13, wherein the third plurality of sequentially arranged links defines a third overall length that is greater than a second overall length of the second plurality of sequentially arranged links.