CLAIMS

1. A system (200, 500A; 230, 550B; 550, 770; 800, 850, 900) for downhole operations, comprising:

a tool body (200; 230; 802) comprising an interfacing profile (202; 232; 812); and

a tool assembly (502; 522; 854) comprising an outer tool profile (610; 710; 858) and an inner matching profile (682; 758; 906), the inner matching profile to be associated with the interfacing profile and to allow axial sliding (506B) of the tool assembly against the tool body for a first lock (530; 560; 856) of the tool assembly to the tool body, wherein the axial sliding is along a longitudinal axis of a wellbore that is subject to the downhole operations, wherein a second lock (532; 556; 862A, 862B, 862C) is provided at a first shoulder-surface interface (542; 674, 776; 862) between the tool assembly and the tool body, and wherein the tool assembly is to be changeably associated with the tool body for use in the downhole operations.

2. The system of claim 1, further comprising:

a plurality of matching inset or raised dovetail features (314) to form part of the inner matching profile and to enable the axial sliding of the inner matching profile of the tool assembly against the interfacing profile of the tool body.

3. The system of claim 1, further comprising:

a passthrough feature (236; 514) to form part of the second lock, the passthrough feature to allow a retention screw (532; 556) therethrough to hold the tool assembly against the tool body; and

a second shoulder-surface interface (318, 608; 778) at an opposite end from the passthrough feature to enable part of an association and part of a disassociation between

the tool body and the tool assembly.

4. The system of claim 1, further comprising:

an indentation (522; 558; 854) of the tool assembly to form part of the first lock; and

at least one releasable member (526; 560; 980) of the tool body to form part of the first lock, the at least one releasable member to act within the indentation of the tool assembly.

5. The system of claim 4, further comprising:

a pluggable access port (520; 954) of the tool assembly to receive a plug (520A) for closure or to receive or to include a release tool to cause the at least one releasable member to release and to enable the disassociation of the tool assembly from the tool body.

6. The system of claim 1, further comprising one or more of:

a removable retention feature (556) to provide part of the second lock at the first shoulder-surface interface in the system.

7. The system of claim 1, further comprising:

a railing feature (320) to form part of the interfacing profile; and

a seating feature (652) to form part of the inner matching profile and to enable the axial sliding of the tool assembly over the tool body.

8. The system of claim 1, wherein the tool assembly is interchangeable among a plurality of tool assemblies, individual ones of the plurality of tool assemblies comprising different circumferential blades and different blade types to access different inner diameters of boreholes and casing hangers.

9. A tool assembly (502; 522; 854) comprising an outer tool profile (610; 710; 858), an inner matching profile (682; 758; 906), and a first interfacing surface (606A; 674; 862D), the inner matching profile to be associated with an interfacing profile (202; 232; 812) of a tool body (200; 230; 802) and to allow axial sliding (506B) of the tool assembly against the tool body for a first lock (530; 560; 856) of the tool assembly to the tool body, wherein the axial sliding is along a longitudinal axis of a wellbore that is subject to the downhole operations, wherein a second lock (532; 556; 862A, 862B, 862C) is provided at a first shoulder-surface interface (542; 674, 776; 862) between the first interfacing surface and the tool body, and wherein the tool assembly is to be changeably associated with the tool body for use in the downhole operations.

10. The tool assembly of claim 9, further comprising:

a pluggable access port (520; 954) to receive a plug (520A) for closure or to receive or to include a release tool to cause at least the first lock to release.

11. The tool assembly of claim 9, wherein the tool assembly is interchangeable among a plurality of tool assemblies, individual ones of the plurality of tool assemblies comprising different circumferential blades and different blade types to access different inner diameters of boreholes and casing hangers.

12. The tool assembly of claim 9, further comprising:

a plurality of matching inset or raised dovetail features (314) to form part of the inner matching profile, the plurality of matching inset or raised dovetail features to engage a plurality of raised or inset dovetail features (304) that form part of the interfacing profile of the tool body.

13. The tool assembly of claim 9 further comprising:

a passthrough feature (236; 514) to form part of the second lock, the passthrough feature to allow a retention screw (532; 556) therethrough to hold the tool assembly against the tool body; or

a second interfacing surface (608; 676; 868) at an opposite end from the first interfacing surface, the second interfacing surface to enable a second shoulder-surface between the tool body and the tool assembly.

14. A method (1000) for downhole operations, comprising:

providing (1002) a tool body comprising an interfacing profile; and

providing (1004) a tool assembly comprising an outer tool profile and an inner matching profile;

enabling (1008) the inner matching profile to be associated with the interfacing profile to allow axial sliding of the tool assembly against the tool body for a first lock of the tool assembly to the tool body, wherein the axial sliding is along a longitudinal axis of a wellbore that is subject to the downhole operations; and

enabling (1010) a second lock at a first shoulder-surface interface between the tool assembly and the tool body, wherein the tool assembly is to be changeably associated with the tool body for use in the downhole operations.

15. The method of claim 14, further comprising:

enabling a plurality of matching inset or raised dovetail features to form part of the inner matching profile; and

enabling the axial sliding of the inner matching profile of the tool assembly against the interfacing profile of the tool body.

16. The method of claim 14, further comprising:

enabling a passthrough feature to form part of the second lock, the

passthrough feature to allow a retention screw therethrough to hold the tool assembly against the tool body; and

enabling a second shoulder-surface interface at an opposite end from the passthrough feature for part of an association and a disassociation between the tool body and the tool assembly.

17. The method of claim 14, further comprising:

enabling an indentation of the tool assembly to form part of the first lock; and

enabling at least one releasable member of the tool body to form part of the first lock, the at least one releasable member to act within the indentation of the tool assembly.

18. The method of claim 17, further comprising:

enabling a pluggable access port of the tool assembly to receive a plug for closure; or

enabling pluggable access port of the tool assembly to receive or to include a release tool to cause the at least one releasable member to release and to enable the disassociation of the tool assembly from the tool body.

19. The method of claim 14, further comprising:

providing a removable retention feature for part of the second lock at the first shoulder-surface interface in the system.

20. The method of claim 14, wherein the tool assembly is interchangeable among a plurality of tool assemblies, individual ones of the plurality of tool assemblies comprising different circumferential blades and different blade types to access different inner diameters of boreholes and casing hangers.