WHAT IS CLAIMED IS:

1. A sealing/anchoring element for use with a sealing/anchoring tool, comprising:

a circlet having an inside surface having an inside diameter (d_i), an outside surface having an outside diameter (d_o), a width (w), and a wall thickness (t), the circlet having one or more geometric features that allow it to elasto/plastically deform when moved from a radially reduced state to a radially enlarged state, the circlet comprising an expandable metal configured to expand in response to hydrolysis.

2. The sealing/anchoring element as recited in Claim 1, wherein the circlet is a barrel slip.

3. The sealing/anchoring element as recited in Claim 2, wherein the barrel slip includes two or more geometric alternating cuts to allow the barrel slip to elastically deform when moved from the radially reduced state to the radially enlarged state.

4. The sealing/anchoring element as recited in Claim 2, wherein the barrel slip includes a ring of material fully encircling at least a portion of the outside surface, or optionally wherein the ring of material is a thermoplastic ring of material.

5. The sealing/anchoring element as recited in Claim 2, wherein the barrel slip has a plurality of teeth located around at least a portion of the outside surface, or optionally wherein the plurality of teeth comprise the metal configured to expand in response to hydrolysis, or optionally wherein the outside surface comprises the expandable metal configured to expand in response to hydrolysis, and the plurality of teeth comprise a material not configured to expand in response to hydrolysis.

6. The sealing/anchoring element as recited in Claim 1, wherein the circlet is a football shaped member having an opening extending therethrough and a geometric larger area

of material removed from a center thereof, or optionally wherein the football shaped member has a plurality of teeth located around at least a portion of the outside surface.

7. The sealing/anchoring element as recited in Claim 1, wherein the circlet has one or more angled surfaces positioned along its inside surface or its outside surface, the one or more angled surfaces configured to engage one or more associated wedges of a sealing/anchoring tool to move the circlet from the radially reduced state to the radially enlarged state.

8. A sealing/anchoring tool, comprising:

a wedge; and

a sealing/anchoring element positioned proximate the wedge, the sealing/anchoring element including:

a circlet having an inside surface having an inside diameter (d_i), an outside surface having an outside diameter (d_o), a width (w), and a wall thickness (t), the circlet having one or more geometric features that allow it to elasto/plastically deform when one or more angled surfaces positioned along its inside surface or its outside surface engage with the wedge to move the circlet from a radially reduced state to a radially enlarged state, the circlet comprising an expandable metal configured to expand in response to hydrolysis and thereby fix the circlet in the radially enlarged state.

9. The sealing/anchoring tool as recited in Claim 8, wherein the wedge and the sealing/anchoring element are positioned about a mandrel, the wedge configured to axially slide along the mandrel relative to the circlet to move the circlet from the radially reduced state to the radially enlarged state.

10. The sealing/anchoring tool as recited in Claim 9, wherein the wedge is a first wedge and further including a second wedge, wherein the first and second wedges are located on opposing sides of the sealing/anchoring element, the first and second wedges configured to axial slide along the mandrel relative to one another to move the circlet from the radially reduced state

to the radially enlarged state, or optionally wherein the mandrel, the first wedge, the second wedge and the sealing/anchoring element form at least a portion of a frac plug.

11. The sealing/anchoring tool as recited in Claim 9, wherein the mandrel includes one or more fluid ports coupling an inside of the mandrel with the circlet comprising the expandable metal configured to expand in response to hydrolysis, or optionally further including a sliding seal member sealing the one or more fluid ports, the sliding seal member configured to seal the one or more fluid ports when the circlet is in the radially reduced state and configured to be removed to allow the circlet to encounter reactive fluid to cause the expandable metal to expand in response to hydrolysis when the circlet is in the radially enlarged state.

12. The sealing/anchoring tool as recited in Claim 8, wherein the wedge is part of a pull through cone positioned within the inside diameter (d_i), the wedge of the pull through cone configured to move the circlet from the radially reduced state to the radially enlarged state as the pull through cone is axially drawn through the circlet.

13. The sealing/anchoring tool as recited in Claim 8, wherein the one or more geometric features allow the circlet to elastically deform, or optionally wherein the one or more geometric features allow the circlet to plastically deform.

14. The sealing/anchoring tool as recited in Claim 8, wherein the circlet is a barrel slip including two or more geometric alternating cuts to allow the barrel slip to elastically deform when moved from the radially reduced state to the radially enlarged state, or optionally wherein the barrel slip includes a thermoplastic ring of material fully encircling at least a portion of the outside surface, or optionally wherein the barrel slip has a plurality of teeth located around at least a portion of the outside surface.

15. The sealing/anchoring tool as recited in Claim 8, wherein the circlet is a football shaped member having an opening extending therethrough and a geometric larger area of

material removed from a center thereof, or optionally wherein the football shaped member has a plurality of teeth located around at least a portion of the outside surface.

16. A method for sealing/anchoring within a wellbore, comprising:

providing a sealing/anchoring tool within a wellbore, the sealing/anchoring tool including:

a wedge; and

a sealing/anchoring element positioned proximate the wedge, the sealing/anchoring element including:

a circlet having an inside surface having an inside diameter (d_i), an outside surface having an outside diameter (d_o), a width (w), and a wall thickness (t), the circlet having one or more geometric features that allow it to elasto/plastically deform when one or more angled surfaces positioned along its inside surface or its outside surface engage with the wedge to move the circlet from a radially reduced state to a radially enlarged state, the circlet comprising an expandable metal configured to expand in response to hydrolysis and fix the circlet in the radially enlarged state;

elasto/plastically deforming the sealing/anchoring element by moving the circlet from the radially reduced state to the radially enlarged state; and

subjecting the elasto/plastically deformed sealing/anchoring element in the radially enlarged stated to reactive fluid to form an expanded metal sealing/anchoring element.