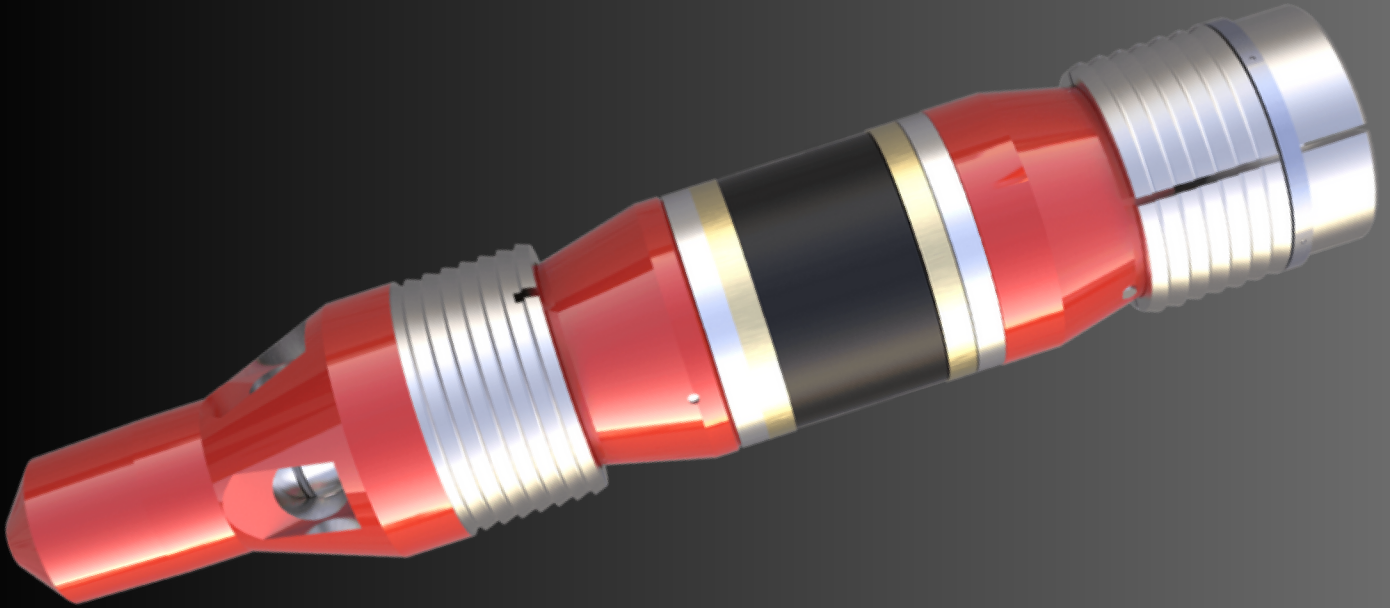


Cement Retainer



AZM Cement Retainer can also be set on tubing/drill pipe/coil tubing using Hydraulic Setting Tool and wireline adapter kit (WLAK).

Opposing slips are carburized wicker type One-piece slips located above and below the rubber packing elements. The slips keep the cement retainer securely set-in high hardness alloy grade casings including P-110.

The packing elements are contained by back-up rings that eliminate extrusion of the elements at high temperatures and pressures.

Once set, a stringer is run on tubing/drill pipe or coil tubing in second trip and stung into the Well Secure Cement Retainer.

Squeeze operation can now begin, and the operator controls the two-way valve from the surface to hold the final squeeze pressure under the retainer or test tubing or keep hydrostatic pressure off the squeeze by manipulating the stringer assembly.

Straight pick up closes the valve and set dow weight open the valve. This retainer is ideal for where squeeze cementing operation are being performed.

FEATURES :-

- Cast iron drillable design.
- Simple, surface-controlled valve automatically close when the stinger is removed.
- Converts between mechanical or wireline set by changing top slip.
- Components rotationally locked for easy drill out.
- Converts to a Bridge Plug.
- Temperature rating to 400 ° Fahrenheit.

Cement Retainer Data Sheet

Casing				TOOL
OD (in)	Weight (Lbs./ft.)	MIN. I.D. (IN.)	Max. O.D. (in)	Max. O.D. (in)
4-1/2	9.5-15.1	3.826	4.090	3.593
5	11.5-18.0	4.276	4.560	3.937
5 1/2	13.-23.0	4.670	5.118	4.312
5-3/4	14.0-25.2	4.890	5.290	4.700
6-5/8	17-.0-34.5	5.575	6.135	5.375
7	17.0-34.0	6.004	6.538	5.688
7-5/8	20.0-39.0	6.625	7.125	6.312
8-5/8	24.0-49.0	7.511	8.097	7.125
9-5/8	29.3-61.1	8.375	9.063	8.125
40-3/4	32.75-60.7	9.660	10.192	9.440
11-3/4	60.0-83.0	10.192	10.772	9.937
11-3/4	38.0-60.0	10.772	11.150	10.440
13-3/8	48.0-72.0	12.347	12.715	12.000
16	65.0-128.0	14.438	15.250	14.125
18	70.58-87.5	17.088	17.250	16.650
18-5/8	87.5	17.480	18.000	17.125
20	94.0-133.0	18.330	19.124	18.375
30	157-73-.310.0	28.000	29.000	27.500