AVENTUS
OIL TOOLS

HYDRO-MECHANICAL PERMANENT BRIDGE PLUG

DESCRIPTION

A-HMBP, A-132– Hydro- Mechanical Permanent Bridge Plug

The A-HMBP is designed to be actuated Hydraulically by dropping a setting ball and set completely by mechanical manipulation, thereby eliminating the need of complex setting tools and adapters. The design allows for the Plug top be run on coiled tubing and allowing for a thru-bore after setting of the Plug

It features a single piece packing element with full circle back-up rings. All components are secured, making faster run-ins possible and reducing chances of pre-set.

Full circle set of Slips ensure biting in the highest strength casings and resist pressure from above and below.

The Plug features an optional rotational release that provides with a thru-bore, which can be used to run wireline tools without pulling the tubing out, thereby saving rig time

All Plugs are made under stringent quality conditions, ensuring the best combination of strength and drill-ability.

FEATURES & BENEFITS

- Cast iron drillable design
- Components rotationally locked for easy drill out
- Fast drill (PDC Drillable) out saves rig time
- Temperature ratings to 400° F available
- Differential pressure rating to 10,000 psi
- Anti-Swab-off Rings & High annular clearance makes it easy for fast running in
- Ease of operation.
- Top equalizing drill-out
- Optional Rotational release for thru-bore
- No setting tool requirement

APPLICATIONS

- Zone isolation for temporary or permanent
- Well abandonment
- Fracturing

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DIMENSIONAL SPECIFICATIONS

Casing Size	Casing Weight	Bridge Plug OD	Casing ID Range	
inch	lb/ft	inch	Min.	Max.
4-1/2	9.5-15.1	3.59	3.82	4.09
5	11.5-20.8	3.93	4.15	4.56
5-1/2	13.0-23.0	4.31	4.58	5.044
6-5/8	20-32	5.37	5.59	6.13
7	17.0-35.0	5.68	6.00	6.68
7-5/8	20.0-39.0	6.63	6.31	7.12
8-5/8	24.0-49.0	7.31	7.12	8.09
9-5/8	29.3-58.4	8.12	8.43	9.09
13-3/8	48.0-80.7	12.18	11.86	12.71

Note: Other sizes available on request.