

MAGNUM

OIL TOOLS

INTERNATIONAL

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Magnum A-1, 3 1/8" Hydraulic Setting Tool

Description:

The Magnum Hydraulic Setting Tool is utilized to set bridge plugs, composite plugs, packers, and cement retainers on a work string, coiled tubing, or production tubing. The Magnum Hydraulic Setting Tool converts hydraulic pressure applied to the tubing, into a pull force to the bridge plug, composite plug, packer, or cement retainer to set the slips and pack off the sealing elements of these tools. After the Magnum Hydraulic Setting Tool is installed on the tubing or coiled tubing, it is then lowered into the wellbore with fluid. While tripping in the hole, the tool automatically fills with well bore fluid and remains balanced. When the tool string has reached the preferred depth, the ball is then dropped. Allow the ball to drop to bottom, and then apply surface pressure to the coiled tubing or tubing string. After the ball has seated, the hydraulic pressure then activates the internal pistons to amplify the surface pressure in turn setting the bridge plugs, composite plugs, packers, or cement retainers. After the setting tool has stroked, setting the tools, the coil tubing or tubing string and the setting tool can then be retrieved, while allowing the well bore fluids in the tubing to discharge thru bypass ports in the tool.



Applications:

- *Automatically fills and drains*
- *No wet string pull outs*
- *Tubing or coiled tubing conveyed*
- *Activated by surface pressure*
- *Will couple to most adapter kits*
- *Four cylinders are standard*
- *Can withstand high tensile loads*
- *No rotation required*

Setting Force:

- *2,500 psi @ surface = 32,500 psi @ the tool; BAKER #10 equivalent.*
- *3,850 psi @ surface = 50,000 psi @ the tool; BAKER #20 equivalent.*

SIZE	STANDARD CONNECTION	TOTAL CROSS-SECTIONAL AREA	O.D.
3 1/8"	2-3/2 EU 8RD	13 SQ. IN.	3 1/8"