



HM BRIDGE PLUG

PRODUCT 20-505

The HM Bridge Plug is a tubing run hydraulic set permanent Bridge Plug which combines pressure and tubing tension to set. After setting a full tubing I.D. is available, making it possible to safely circulate cement onto the plug.

If required the HM Plug and Setting Adapter may be run in tandem with other products such as a packer for testing the plug after setting.

The HM Bridge Plug is available in two ratings, the economical HM-5 rated for 34.5MPa (5,000 PSI) and 94°C (200°F), or the high performance HM-10 rated for 69MPa at 177°C (350°F). Both the HM-5 and HM10 use an HM Tubing Setting Adapter to run.

OPERATION

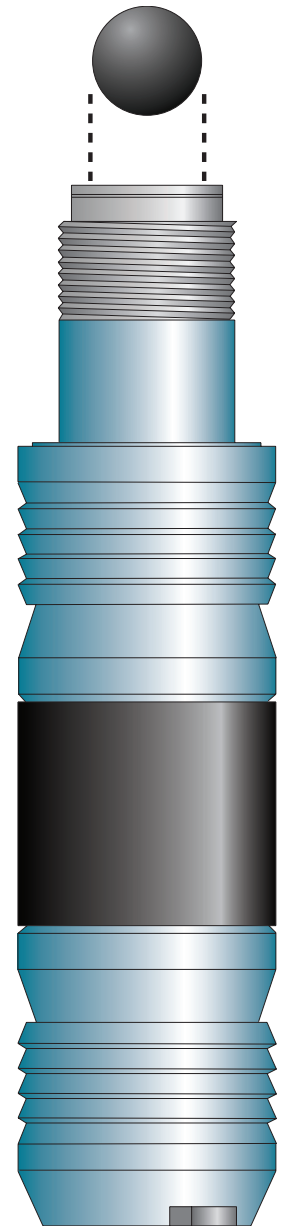
Screw the Bridge Plug onto the bottom of the HM Setting Tool, snugging the plug onto the Setting Tool. Screw the Adjusting Sleeve down onto the plug and tighten by hand. If running the ball in place, install it at this time.

Make up the Setting Tool/Plug Assembly onto the tubing, tightening on with only a pipe wrench.

Run into the well at a uniform rate, avoiding right hand rotation on the tubing. After reaching setting depth drop the ball if it was not run in place.

Apply and maintain 10MPa (1,500 PSI) and hold for 2 minutes. Release the pressure and pull the required force into the plug.

Slack off to a point where there is approximately 400 daN (900 lbs.) tension still pulled into the plug, and rotate the tubing 7 to 8 turns to the right.



CASING			PACKER SIZE	SEAL BORE I.D.	NOK-OUT SIZE
O.D.	WEIGHT			IN/MM	
IN/MM	LBS/FT	KG/M			
4 1/2 114.3	9.5 - 11.6	14.1 - 17.2	20-042-0460	2.390 60.7	20-049-0239
5 1/2 139.7	13.0 - 17.0	19.3 - 25.3	20-042-0560	3.000 76.2	20-049-0300