

DOWNHOLE
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SHRINK-LOK® HEAVY DUTY STOP COLLAR

CHALLENGE: A major Asia Pac operator contacted Downhole Products regarding centralization for their 9 5/8" casing while drilling application. The operator was particularly interested in gaining a load rating on DHP's Shrink-Lok high holding force stop collar which would be utilized either side of the centralizer to restrict slippage and bunching of the centralizer under heavy load.

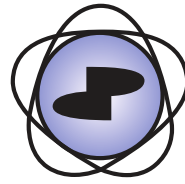


TEST OBJECTIVES:

- To ensure the 9 5/8" Shrink-Lok was capable of withstanding a direct loading greater than 50 tonnes
- To gain an accurate maximum load rating/holding force for the 9 5/8" Shrink-Lok

PERFORMANCE: Load/Holding force testing was performed at First Integrated Solutions, Bridge of Don Facility in Aberdeen utilizing their calibrated 200 tonne horizontal test bed. Independent data acquisition and recording of the test was performed by JCM Monitoring. The 9 5/8" Shrink-Lok stop collar was installed on a section of 9 5/8" 53.5# L-80 casing, with a section of 10 3/4" 51# L-80 casing slide over the 9 5/8" casing hard against the Shrink-Lok and lowered into the test bed.

For further information on this tool and proposed applications, please contact your local DHP representative. Specifications may be liable to change without prior notice.



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Once the assembly had been lowered into position, load was applied in 10 tonne increments up to 60 tonnes, a total movement of 3mm was recorded. The load was further increased to 77.5 tonnes where the Shrink-Lok® was seen to lose grip and slide on the 9 5/8" casing.

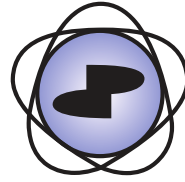
Load applied to the
10 3/4" 51# L-80



9 5/8" 51# L-80 Casing

9 5/8" Shrink-Lok

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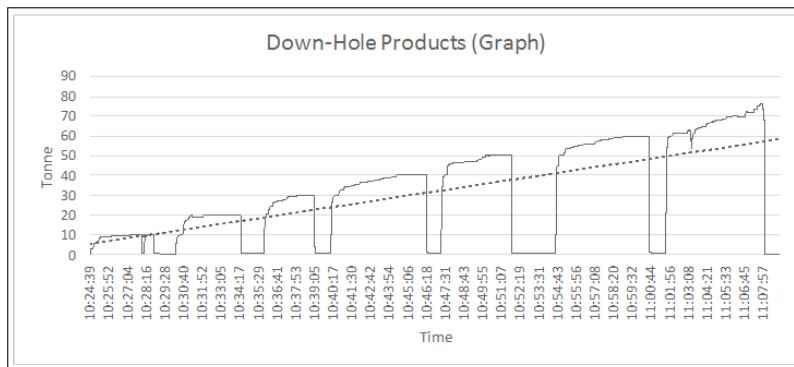
Single Reading Data Capture Report

Date/Time: 24/10/2014 (Friday 24 October 2014)
11:10:39

JCM Compressive

Compressive S/No	11H31158
Comp Capacity	100 Tonne

(Test carried out at **1st Integrated**)
(TEST 2)



(Graph Information)

Max Load Applied	77.50Tonne	Load applied Line
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Based on the testing performed, the DHP 9 5/8" Shrink-Lok high holding force stop collar is load/holding force rated to a max set down weight of 60 tonnes/ 132,000 lbs. at the tool. (Full test report available on request)

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