

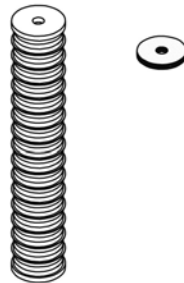
Drilling Rig Isolation

Problem:

A major offshore drilling company with a fleet of global drilling rigs requested that Fabreeka® attenuate the shock of a platform mouse hole. The mouse hole is a 30-foot long heavy wall pipe. The top end is fixed at the platform floor and the bottom end of the mouse hole is closed, holding a 30-plus-foot drill pipe weighing 5,000 lbs. During the day-to-day drilling operation, the drill pipe is gradually lowered and retracted from the mouse hole several times. The drill pipe could drop as much as 400 inches, dispersing 2,000,000 in-lbs of energy to the mouse hole and platform base, which could cause extensive structural damage.

Solution:

Develop a shock absorbing device that would attenuate the shock, therefore eliminating the possibility of costly structural damage to the platform. Fabreeka's® Engineers decided to utilize multiple layers (48 inches) of Fabreeka® pads with steel shim plates throughout.



Outcome:

This solution afforded our customer over 80% reduction in the maximum transmitted force of 450,000 lbs. This solution not only saved the customer undetermined structural damage, but was the most reliable, cost-effective approach.

Please contact Fabreeka® with any questions or to discuss your application.

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