

Abstract Submitted
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Optimization of Parameters for Aged EBW Detonators TY BROOKS, PETER SCHULZE, CASEY SPAWN, MATT BISS, DANIEL PRESTON, None — Working towards an optimal exploding bridgewire (EBW) detonator design, three parameters were varied among two detonator platforms. These three parameters were bridgewire dimension, high explosive (HE) density, and component material. These parameters were chosen due to their potential to benefit initiation characteristics. The performance of each parameter was characterized at pristine conditions and after accelerated aging. The overall performance as well as the severity of performance loss observed after aging were considered. The results of this parameter study are presented and trends related to parameter variation are examined.

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None

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