



T E C H N I C A L B U L L E T I N

TB 2004-02

Synopsis: Article on Distraction Device® Study Published in Tactical Edge, Summer 2004

Background: In 2003, E-Labs Inc. of Fredericksburg, VA conducted performance tests on eight different devices manufactured and/or sold by a variety of manufacturers. The project was funded by the NIJ under award number 2002-DT-C-K001. The test was conducted to identify performance characteristics, not as a competitive assessment. This is the first step in the ultimate goal of an initiative to develop safer and more flexible noise flash diversion devices. The study is divided into three series of tests:

Series I: Flash, Noise, Safety Delay, Burn Time, Assembly weight (pre and post test).

Series II: Fragmentation

Series III: Collateral Effects (fire, movement, and disruption of test objects by the device test)

Information about the study and the results of Series III “Collateral Effects are published in the NTOA Tactical Edge, Summer 2004 edition.

NFDD COLLATERAL EFFECTS SUMMARY									
	Fire Start by Test			Propulsion of NFDD by Test			Disruption of Objects by Test		
	Pillow	Cushion	Objects	Pillow	Cushion	Objects	Pillow	Cushion	Objects
<i>ALS Technologies 09</i>	No	No	No	<12"	<12"	No	No	No	Yes
<i>Combined Tactical Systems 7290</i>	No	No	Yes	>12"	<12"	No	No	No	Yes
<i>Defense Technologies 7001 SC</i>	No	No	No	<12"	No	No	Yes	No	Yes
<i>Defense Technologies OB 100</i>	No	Yes	No	No	No	No	Yes	No	Yes
<i>NICO Pyrotechnik S&F I Bang</i>	No	No	No	<12"	No	>18"	Yes	Yes	Yes
<i>Precision Ordnance DD 400 Mag Load</i>	No	No	No	12"	>48"	>48"	Yes	Yes	Yes
<i>Precision Ordnance T429</i>	No	No	No	No	No	No	Yes	No	No
<i>Pyrotechnic Specialties MK141 Mod 0</i>	No	No	No	36"	>24"	<12"	No	Yes	Yes
	Fire start determined by presence of open flame after functioning.			Distance estimated using scalar grid on background			Disruption determined by noting any movement of object(s) from origin.		
Source of Information: Tactical Edge, Summer 2004, Volume 22 No. 3, pages 81 - 84									