

## Ammo-Tests Oct 26th, 2005

### Leather/Cotton/Denim/Wetpack

<b>Cartridge</b>							
<b>Caliber</b>	<b>.45</b>	<b>.40</b>	<b>9x19mm</b>	<b>9x19mm</b>	<b>9x19mm</b>	<b>9x19mm</b>	<b>.22</b>
<b>Type</b>	<b>EMFJ</b>	<b>EMFJ</b>	<b>EMFJ</b>	<b>EMB</b>	<b>FMJ Nontox</b>	<b>FL</b>	<b>Stinger</b>
Make	Federal	Federal	Federal	Fiocchi	S&B	Hirtenberger	
Weight grains	200	165	124	93	124	100	
Weight grams	13	11	8	6	8	6,5	
Barrel Lenght	5"	4"	4"	4"	4"	4"	3,5"
<b>Gun</b>	<b>1911 A1</b>	<b>Glock 23</b>	<b>Glock 19</b>	<b>Glock 19</b>	<b>Glock 19</b>	<b>Glock 19</b>	<b>Beretta 71</b>
V (3m) average ft/sec	996	944	1104	1260	1103		
V (3m) average m/sec	327	310	362	413	362		
Joule	694	528	525	513	524		
ft/pundals	512	389	387	378	386		
IPSC-Factor	199	156	137	117	137		

<b>Clothing over wetpack</b>							
1st layer	Leather (kidney-belt)						
2nd layer	cotton (sweater, two layers)						
3rd layer	denim (jeans-leg, two layers)						
4th layer	wetpack (phonebooks soaked overnight)						
Penetration, wetpack, cm	12,00	11,00	15,00	<b>18,50</b>			
(inches)	4,72	4,33	5,91	7,28	-		
Expansion, mm	<b>19,00</b>	16,50	14,50	12,00			
(inches)	0,75	0,65	0,57	0,47	-		
Shockwave diameter, cm	5,00	4,00	<b>5,50</b>	4,50			
(inches)	1,97	1,57	2,17	1,77	-		

**Clay, long block**

Penetration, clay, cm	<b>28,00</b>	26,00			
<i>(inches)</i>	11,02	10,24			-
Expansion, mm	<b>24,00</b>	20,00			
<i>(inches)</i>	0,94	0,79			-
Cavity diameter	16,00	<b>19,00</b>			
<i>(inches)</i>	6,30	7,48			-

**Clay, short block**

Penetration, clay, cm	through	through	through	19,00	
<i>(inches)</i>	through	through	through	7,48	-
Expansion, mm	bullet lost	18,00	19,00	16,00	
<i>(inches)</i>	bullet lost	0,71	0,75	0,63	-
Cavity diameter	pic	pic	pic	pic	
<i>(inches)</i>	pic	pic	pic	pic	-

**2mm alu plate & wetpack**

Penetration, wetpack, cm	6,00	4,50	5,00	<b>15,00</b>	16,30	17,00
<i>(inches)</i>	2,36	1,77	1,97	5,91	6,42	6,69
Expansion, mm	<b>24,50</b>	20,00	13,00	9,00	9,70	9,50
<i>(inches)</i>	0,96	0,79	0,51	0,35	0,38	0,37
Shockwave diameter, cm						
<i>(inches)</i>	-	-			-	

**20mm coated chipboard & wetpack**

Penetration, wetpack, cm	7,50	5,00	6,00	<b>19,00</b>		5,00
<i>(inches)</i>	2,95	1,97	2,36	7,48		1,97
Expansion, mm	18,00	<b>21,00</b>	18,50	9,00		9,50
<i>(inches)</i>	0,71	0,83	0,73	0,35		0,37
Shockwave diameter, cm	<b>5,00</b>	4,00	4,00	3,00		1,00
<i>(inches)</i>	1,97	1,57	1,57	1,18		0,39