

FBI Terminal Ballistics Test Data												
Chart Compiled by GunLink.info												
Caliber - Load Name	Bullet Mass@ Muzzle Velocity	Bullet Momentum	Muzzle Engergy	Penetration	Recovered Diameter	Approx. Wound Volume	Penetration	Recovered Diameter	Approx. Wound Volume	Avg. Wound Volume	Free Recoil	Avg. Wound Volume per unit Free Recoile Energy
	(gr)@(fps)	(lb*fps)	(ftlbs)	Bare Gelatin			Clothed Gelatin			Clothed and Bare	(1.88lb pistol)	
.380 CCI/Speer GD	90@ 934	12.0 mv	174 E	BR 9.3"	0.59"	2.54cu	CL 11.3"	0.49"	2.14cu	avg 2.34	1.19 re	1.96
.380 CCI/Speer GD	88@ 914	11.5 mv	163 E	BR 11.6"	0.46"	1.92cu	CL 17.2"	0.35"	1.66cu	avg 1.79	1.09 re	1.64
.380 Fed HydraShok	90@ 971	12.5 mv	188 E	BR 6.7"	0.66"	2.29cu	CL 12.0"	0.49"	2.26cu	avg 2.28	1.29 re	1.77
.380 Win Silvertip	85@ 954	11.6 mv	172 E	BR 7.9"	0.58"	2.09cu	CL 9.1"	0.47"	1.58cu	avg 1.83	1.11 re	1.65
357SIG CCI/Speer GD	125@1372	24.5 mv	522 E	BR 16.1"	0.60"	4.54cu	CL 19.1"	0.54"	4.36cu	avg 4.45	4.96 re	0.9
357MAG Fed JHP	158@1200	27.1 mv	505 E	BR 16.5"	0.50"	3.24cu	CL 15.9"	0.64"	5.12cu	avg 4.18	6.07 re	0.69
357MAG Fed JHP	125@1265	22.6 mv	444 E	BR 10.7"	0.49"	2.01cu	CL 11.8"	0.51"	2.40cu	avg 2.20	4.22 re	0.52
357MAG Rem G.S.	125@1220	21.8 mv	413 E	BR 14.4"	0.56"	3.55cu	CL 20.6"	0.48"	3.72cu	avg 3.58	3.92 re	0.91
357MAG Win Silvertip	145@1166	24.2 mv	437 E	BR 15.8"	0.58"	4.17cu	CL 12.9"	0.64"	4.15cu	avg 4.16	4.82 re	0.86
9x19 3-D	115@1178	19.4 mv	354 E	BR 11.6"	0.54"	2.66cu	CL 13.9"	0.48"	2.52cu	avg 2.59	3.10 re	0.84
9x19 CCI/Speer GD	115@1197	19.7 mv	365 E	BR 12.8"	0.67"	4.51cu	CL 22.6"	0.44"	3.44cu	avg 3.78	3.20 re	1.18
9x19 CCI/Speer GD	124@1116	19.8 mv	342 E	BR 11.8"	0.69"	4.41cu	CL 22.0"	0.36"	2.24cu	avg 3.22	3.23 re	1
9x19 CCI/Speer GD	115@1259	20.7 mv	404 E	BR 12.3"	0.67"	4.35cu	CL 22.1"	0.40"	2.78cu	avg 3.43	3.54 re	0.97
9x19 CCI/Speer GD	147@ 924	19.4 mv	278 E	BR 14.8"	0.57"	3.78cu	CL 14.7"	0.55"	3.49cu	avg 3.63	3.11 re	1.17
9x19 CCI/Speer GD	124@1068	18.9 mv	314 E	BR 12.6"	0.59"	3.44cu	CL 17.5"	0.51"	3.57cu	avg 3.51	2.96 re	1.19
9x19 CCI/Speer GD +P	124@1223	21.7 mv	411 E	BR 13.4"	0.68"	4.87cu	CL 20.2"	0.53"	4.47cu	avg 4.64	3.88 re	1.2
9x19 CCI/Speer GD+P	124@1155	20.5 mv	367 E	BR 13.2"	0.62"	3.99cu	CL 16.1"	0.53"	3.55cu	avg 3.77	3.46 re	1.09
9x19 CorBon +P	115@1317	21.6 mv	442 E	BR 8.9"	0.52"	1.90cu	CL 10.2"	0.61"	2.98cu	avg 2.44	3.87 re	0.63
9x19 CorBon XTP	124@1123	19.9 mv	347 E	BR 13.9"	0.56"	3.44cu	CL 18.3"	0.46"	3.04cu	avg 3.24	3.27 re	0.99
9x19 Fed +P	115@1237	20.3 mv	390 E	BR 11.2"	0.53"	2.48cu	CL 10.6"	0.62"	3.20cu	avg 2.84	3.41 re	0.83
9x19 Fed HydraShok	147@ 935	19.6 mv	285 E	BR 13.6"	0.60"	3.85cu	CL 16.1"	0.52"	3.41cu	avg 3.63	3.19 re	1.14
9x19 Fed HydraShok	147@ 995	20.9 mv	323 E	BR 21.4"	0.37"	2.30cu	CL 15.6"	0.60"	4.41cu	avg 3.28	3.61 re	0.91
9x19 Fed Silvertip	115@1091	17.9 mv	304 E	BR 10.1"	0.63"	3.13cu	CL 11.8"	0.58"	3.12cu	avg 3.13	2.66 re	1.18
9x19 Hornady XTP	147@ 918	19.3 mv	275 E	BR 22.1"	0.44"	3.36cu	CL 20.5"	0.46"	3.41cu	avg 3.18	3.07 re	1.04
9x19 PMC/Eldorado SF	124@1118	19.8 mv	344 E	BR 10.7"	0.63"	3.32cu	CL 20.1"	0.41"	2.65cu	avg 2.98	3.24 re	0.92
9x19 Rem	147@ 987	20.7 mv	318 E	BR 18.1"	0.51"	3.71cu	CL 15.9"	0.59"	4.36cu	avg 4.03	3.55 re	1.14
9x19 Rem	124@1109	19.6 mv	338 E	BR 12.4"	0.60"	3.52cu	CL 13.7"	0.57"	3.50cu	avg 3.51	3.19 re	1.1
9x19 Rem +P+	115@1221	20.1 mv	380 E	BR 10.8"	0.63"	3.37cu	CL 10.9"	0.62"	3.29cu	avg 3.33	3.33 re	1
9x19 Win Black Talon	147@ 946	19.9 mv	292 E	BR 14.8"	0.60"	4.20cu	CL 16.4"	0.61"	4.78cu	avg 4.49	3.26 re	1.38
9x19 Win Ranger +P+	115@1320	21.7 mv	444 E	BR 9.6"	0.53"	2.11cu	CL 10.2"	0.65"	3.37cu	avg 2.74	3.89 re	0.7
9x19 Win Ranger PG	124@1015	18.0 mv	283 E	BR 12.5"	0.65"	4.15cu	CL 14.0"	0.61"	4.09cu	avg 4.12	2.67 re	1.54
9x19 Win Ranger T	147@1016	21.3 mv	337 E	BR 13.8"	0.66"	4.72cu	CL 15.7"	0.00"	0.00cu	avg 2.36	3.76 re	0.63
9x19 Win Ranger Talon	147@1017	21.4 mv	337 E	BR 13.8"	0.66"	4.70cu	CL 15.5"	0.65"	5.14cu	avg 4.92	3.77 re	1.31
9x19 Win Ranger Talon	147@ 864	18.1 mv	243 E	BR 13.8"	0.61"	4.03cu	CL 15.2"	0.59"	4.17cu	avg 4.10	2.72 re	1.51
9x19 Win Silvertip	147@ 902	18.9 mv	265 E	BR 14.6"	0.53"	3.22cu	CL 18.1"	0.47"	3.14cu	avg 3.18	2.97 re	1.07
40SW CCI/Speer GD	155@1186	26.3 mv	483 E	BR 10.7"	0.84"	5.93cu	CL 17.7"	0.58"	4.68cu	avg 5.30	5.70 re	0.93
40SW CCI/Speer GD	155@1176	26.0 mv	475 E	BR 10.7"	0.84"	5.93cu	CL 18.1"	0.57"	4.62cu	avg 5.27	5.61 re	0.94
40SW CCI/Speer GD	165@1076	25.4 mv	424 E	BR 13.1"	0.65"	4.33cu	CL 15.8"	0.60"	4.47cu	avg 4.40	5.32 re	0.83
40SW CCI/Speer GD	180@ 958	24.6 mv	366 E	BR 14.6"	0.60"	4.13cu	CL 17.1"	0.62"	5.16cu	avg 4.65	5.02 re	0.93
40SW CCI/Speer GD	180@ 982	25.3 mv	385 E	BR 14.5"	0.59"	3.96cu	CL 17.6"	0.60"	4.96cu	avg 4.46	5.27 re	0.85
40SW Fed Hi-Shok	180@ 960	24.7 mv	368 E	BR 14.8"	0.66"	5.05cu	CL 24.0"	0.47"	4.16cu	avg 4.26	5.04 re	0.85
40SW Fed Hi-Shok	155@1167	25.8 mv	468 E	BR 13.8"	0.61"	4.02cu	CL 19.5"	0.51"	3.98cu	avg 4.00	5.52 re	0.72
40SW Fed HydeaShok	165@ 931	21.9 mv	317 E	BR 15.8"	0.58"	4.19cu	CL 21.1"	0.43"	3.06cu	avg 3.55	3.98 re	0.89
40SW Fed HydraShok	165@ 943	22.2 mv	325 E	BR 18.2"	0.63"	5.69cu	CL 19.4"	0.56"	4.77cu	avg 5.23	4.08 re	1.28
40SW Fed HydraShok	180@ 969	24.9 mv	375 E	BR 14.2"	0.69"	5.29cu	CL 19.8"	0.59"	5.41cu	avg 5.35	5.13 re	1.04
40SW Fed HydraShok	165@1007	23.7 mv	371 E	BR 13.8"	0.62"	4.18cu	CL 15.2"	0.64"	4.87cu	avg 4.53	4.66 re	0.97
40SW Hornady XTP	155@1194	26.4 mv	490 E	BR 14.5"	0.65"	4.81cu	CL 18.1"	0.55"	4.30cu	avg 4.56	5.78 re	0.79
40SW Hornady XTP	180@ 929	23.9 mv	345 E	BR 13.9"	0.64"	4.49cu	CL 18.4"	0.55"	4.38cu	avg 4.44	4.72 re	0.94
40SW Rem	165@1031	24.3 mv	389 E	BR 12.5"	0.67"	4.41cu	CL 16.3"	0.61"	4.76cu	avg 4.59	4.88 re	0.94
40SW Rem G.S.	180@ 931	23.9 mv	346 E	BR 16.8"	0.69"	6.28cu	CL 16.9"	0.63"	5.28cu	avg 5.78	4.74 re	1.22
40SW Rem G.S.	180@ 945	24.3 mv	356 E	BR 16.9"	0.64"	5.44cu	CL 21.0"	0.43"	3.05cu	avg 4.17	4.88 re	0.85
40SW Rem G.S.	180@ 893	23.0 mv	318 E	BR 15.7"	0.65"	5.19cu	CL 21.1"	0.51"	4.32cu	avg 4.64	4.36 re	1.06
40SW Rem G.S.	180@ 954	24.5 mv	363 E	BR 14.8"	0.66"	5.06cu	CL 14.8"	0.67"	5.20cu	avg 5.13	4.98 re	1.03
40SW Rem G.S.												