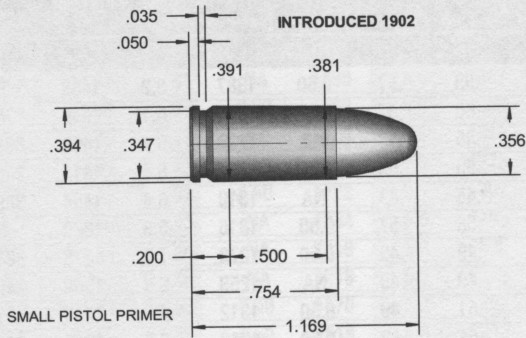


9MM LUGER OR 9MM PARABELLUM



LEE SHELL HOLDER 19

Useful case capacity 0.74 cc

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L
65 Grain FRANGIBLE										
CFE PISTOL	6.2	.47	.46	NA	1504	7.1	1697	33200	PSI	1.125
AUTOCOMP	6.2	.49	.49	NA	1489	7.1	1634	32700	PSI	1.155
WIN 572	7.8	.64	.61	NA	1526	8.5	1621	28500	PSI	1.155
IMR TARGET	4.7	.56	.53	0.50	1372	5.6	1595	32700	PSI	1.155
UNIVERSAL	4.9	.54	.53	0.50	1368	5.7	1592	32800	PSI	1.125
TITEGROUP	4.5	.38	.37	NA	1422	5.1	1554	33600	PSI	1.155
HP38	4.7	.44	.43	NA	1359	5.3	1480	32900	PSI	1.155
80 Grain Barnes X Solid Bullet										
WIN 572	5.4	.44	.43	NA	1311	6.2	1424	31200	PSI	1.025
CFE PISTOL	5.0	.38	.37	NA	1221	5.9	1420	33500	PSI	1.025
LONGSHOT	5.7	.47	.46	NA	1239	6.6	1327	33500	PSI	1.025
IMR TARGET	4.2	.50	.49	0.50	1235	4.6	1323	32700	PSI	1.025
AUTOCOMP	4.4	.35	.34	0.30	1101	4.8	1207	31800	PSI	1.025
SR7625	3.6	.38	.37	NA	1006	4.6	1200	33100	PSI	1.025
IMR PB	3.5	.42	.40	NA	1053	3.9	1180	32200	PSI	1.025
TITEGROUP	3.0	.25	LDPM	NA	1015	3.6	1174	32900	PSI	1.025
HS6	5.4	.38	.37	NA	1102	5.7	1167	32100	PSI	1.025
UNIVERSAL	3.7	.41	.40	NA	1156	3.9	1166	31500	PSI	1.025
WIN 231	3.3	.31	.30	0.30	1021	3.8	1125	32000	PSI	1.025
HP38	3.3	.31	.30	0.30	1021	3.8	1125	32000	PSI	1.025
IMR 700X	3.1	.42	.40	NA	1038	3.5	1119	31000	PSI	1.025
90 Grain FRANGIBLE										
R SILHOUETTE	5.8	.46	.46	NA	1207	6.4	1341	34910	PSI	1.120
ACCUR #5	5.6	.35	.34	0.30	1101	6.2	1223	33540	PSI	1.120
R TRUE BLUE	5.2	.36	.34	NA	1082	5.8	1202	33680	PSI	1.120
ACCUR #2	4.3	.36	.34	NA	1080	4.8	1200	34620	PSI	1.120
RAM ZIP	3.9	.32	.32	0.30	1064	4.3	1182	34030	PSI	1.120
90 Grain XTP										
v-3N37	6.4	.58	.57	0.50	1434	7.2	1512	NA	NA	1.063
v-N350	6.4	.63	.61	NA	1391	7.2	1496	NA	NA	1.063

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c = Compressed charge
NA = None Available

9MM LUGER OR 9MM PARABELLUM

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L
90 Grain XTP										
v-N340	5.5	.59	.57	0.50	1387	6.2	1483	NA	NA	1.063
v-N330	5.6	.60	.57	NA	1379	6.1	1440	NA	NA	1.063
WIN 572	5.5	.45	.43	NA	1239	6.4	1419	33500	PSI	1.010
HS6	7.9	.56	.53	0.50	1361	8.2	1413	30900	CUP	1.010
CFE PISTOL	6.0	.45	.43	NA	1310	6.4	1404	32900	PSI	1.010
v-N320	4.8	.58	.57	0.50	1316	5.3	1380	NA	NA	1.063
LONGSHOT	6.0	.49	.49	0.50	1278	7.0	1378	32300	PSI	1.010
R SILHOUETTE	6.2	.49	.49	NA	1253	6.9	1368	34689	PSI	1.070
HP38	5.5	.51	.49	0.50	1312	5.8	1349	30100	CUP	1.010
WIN 231	5.5	.51	.49	0.50	1312	5.8	1349	30100	CUP	1.010
IMR TARGET	4.7	.56	.53	0.50	1245	5.2	1338	32500	PSI	1.010
AUTOCOMP	6.1	.48	.46	NA	1255	6.5	1332	32100	PSI	1.010
TITEGROUP	4.7	.40	.40	NA	1239	5.0	1305	30000	CUP	1.010
ACCUR #2	4.8	.40	.40	NA	1214	5.4	1293	34863	PSI	1.070
SR7625	4.9	.51	.49	0.50	1216	5.5	1292	30600	PSI	1.010
RAM ZIP	4.6	.38	.37	NA	1172	5.1	1280	34911	PSI	1.070
IMR 700X	4.1	.55	.53	0.50	1215	4.5	1279	32200	PSI	1.010
UNIVERSAL	5.0	.55	.53	0.50	1170	5.5	1266	30100	CUP	1.010
v-N310	3.9	.47	.46	NA	1212	4.2	1260	NA	NA	1.063
SOLO 1000	4.5	.60	.57	NA	1176	5.0	1249	34801	PSI	1.070
IMR PB	3.9	.47	.46	NA	1141	4.3	1231	32200	PSI	1.010
R COMPETITION	3.9	.50	.49	0.50	1145	4.4	1209	34564	PSI	1.070
A NITRO100	3.8	.51	.49	0.50	1140	4.2	1206	34823	PSI	1.070
95 Grain Jacketed Bullet										
WIN 572	5.4	.44	.43	NA	1233	6.3	1379	33400	PSI	1.020
CFE PISTOL	5.9	.44	.43	NA	1207	6.4	1362	32200	PSI	1.020
LONGSHOT	5.8	.48	.46	NA	1192	6.8	1356	33300	PSI	1.020
HS6	7.3	.52	.49	0.50	1232	7.8	1339	31300	CUP	1.020
IMR TARGET	4.8	.57	.57	0.50	1241	5.3	1330	32900	PSI	1.020
AUTOCOMP	5.6	.44	.43	NA	1216	6.1	1306	32600	PSI	1.010
TITEGROUP	4.7	.40	.40	NA	1241	5.0	1298	32000	CUP	1.020
UNIVERSAL	4.6	.51	.49	0.50	1182	5.2	1292	31700	CUP	1.020
WIN 231	4.8	.45	.43	NA	1189	5.3	1273	31400	CUP	1.020
HP38	4.8	.44	.43	NA	1189	5.3	1273	31400	CUP	1.020
SR7625	4.9	.51	.49	0.50	1172	5.4	1259	32500	PSI	1.020
IMR 700X	4.1	.55	.53	0.50	1137	4.5	1224	31500	PSI	1.020
IMR PB	3.9	.47	.46	NA	1075	4.3	1178	32700	PSI	1.020
95 Grain Barnes X Solid Bullet										
R SILHOUETTE	5.7	.45	.43	NA	1179	6.3	1281	34876	PSI	1.160
ACCUR #7	6.8	.44	.43	NA	1071	8.0	1242	34913	PSI	1.160
ACCUR #5	5.6	.35	.34	0.30	1066	6.6	1228	34466	PSI	1.160
R TRUE BLUE	5.2	.36	.34	NA	1071	6.1	1226	34681	PSI	1.160
RAM ZIP	4.2	.34	.34	0.30	1070	4.7	1172	34333	PSI	1.160
ACCUR #2	4.2	.35	.34	0.30	1083	4.7	1158	34754	PSI	1.160
SOLO 1000	4.1	.55	.53	0.50	1072	4.6	1156	34210	PSI	1.160
R COMPETITION	3.7	.47	.46	NA	1052	4.1	1115	34595	PSI	1.160
A NITRO100	3.4	.46	.46	NA	1023	3.7	1109	34123	PSI	1.160
100 Grain Jacketed Bullet										
v-3N37	6.4	.58	.57	0.50	1306	7.3	1423	NA	NA	1.083

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9MM LUGER OR 9MM PARABELLUM

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L
100 Grain Jacketed Bullet										
v-N340	5.7	.61	.61	NA	1290	6.4	1407	NA	NA	1.083
v-N330	5.4	.58	.57	0.50	1290	5.9	1365	NA	NA	1.083
LONGSHOT	5.5	.45	.43	NA	1158	6.5	1315	33300	PSI	1.050
HS6	7.2	.51	.49	0.50	1270	7.5	1313	28600	CUP	1.050
v-N320	4.7	.57	.57	0.50	1222	5.1	1307	NA	NA	1.083
TITEGROUP	4.7	.40	.40	NA	1234	5.0	1289	30300	CUP	1.050
WIN 231	5.1	.47	.46	NA	1218	5.5	1282	28400	CUP	1.050
HP38	5.1	.47	.46	NA	1218	5.5	1282	28400	CUP	1.050
IMR TARGET	4.4	.53	.53	0.50	1170	4.9	1262	32600	PSI	1.050
UNIVERSAL	4.8	.53	.53	0.50	1119	5.3	1212	31500	CUP	1.050
100 Grain FRANGIBLE										
WIN 572	5.0	.41	.40	NA	1176	6.1	1319	33300	PSI	1.140
R SILHOUETTE	5.2	.41	.40	NA	1108	5.8	1231	34980	PSI	1.120
CFE PISTOL	5.0	.38	.37	NA	1048	5.5	1211	33200	PSI	1.140
IMR TARGET	4.0	.48	.46	NA	1107	4.5	1207	33000	PSI	1.140
TITEGROUP	3.6	.31	.30	0.30	1097	4.0	1174	31400	PSI	1.140
UNIVERSAL	3.8	.42	.40	NA	1057	4.2	1169	30700	PSI	1.140
IMR PB	3.8	.46	.46	NA	1076	4.3	1155	28700	PSI	1.140
WIN 231	3.9	.36	.34	NA	1062	4.4	1149	31000	PSI	1.140
HP38	3.9	.36	.34	NA	1062	4.4	1149	31000	PSI	1.140
ACCUR #5	5.2	.32	.32	0.30	1031	5.8	1145	34600	PSI	1.120
IMR 700X	3.5	.47	.46	NA	1015	4.0	1122	26700	PSI	1.140
R TRUE BLUE	4.8	.33	.32	0.30	995	5.3	1106	34170	PSI	1.120
RAM ZIP	3.6	.29	LDPM	NA	993	4.0	1103	34550	PSI	1.120
ACCUR #2	4.0	.34	.34	0.30	978	4.4	1087	34270	PSI	1.120
115 Grain Jacketed Bullet										
v-N350	5.4	.53	.53	0.50	1129	6.5	1293	NA	NA	1.142
v-3N37	5.6	.51	.49	0.50	1129	6.5	1289	NA	NA	1.142
v-N330	4.5	.49	.49	NA	1076	5.4	1227	NA	NA	1.142
v-N340	4.8	.51	.49	0.50	1129	5.4	1220	NA	NA	1.142
wsUPER-FLD	4.9	.41	.40	NA	1060	5.7	1195	31900	PSI	1.169
ACCUR #5	5.3	.33	.32	0.30	1001	6.3	1148	34200	PSI	1.100
ACCUR #7	6.5	.42	.40	NA	1000	7.6	1139	34284	PSI	1.077
R SILHOUETTE	5.1	.41	.40	NA	1060	5.7	1136	34211	PSI	1.077
R TRUE BLUE	5.2	.36	.34	NA	1046	5.8	1132	34719	PSI	1.077
v-N320	3.9	.47	.46	NA	997	4.5	1119	NA	NA	1.142
RAM ZIP	4.0	.33	.32	0.30	1016	4.5	1106	34991	PSI	1.100
ACCUR #2	3.7	.31	.30	0.30	971	4.6	1088	34202	PSI	1.100
SOLO 1000	4.0	.53	.53	0.50	999	4.5	1053	NA	NA	1.077
R COMPETITION	3.2	.41	.40	NA	919	3.6	992	34774	PSI	1.077
A NITRO100	2.9	.39	.37	NA	926	3.3	986	33912	PSI	1.100
115 Grain Lead Bullet										
CFE PISTOL	4.9	.37	.37	NA	1124	5.4	1209	33800	PSI	1.100
WIN 572	4.6	.38	.37	NA	1118	5.1	1200	31900	PSI	1.100
R SILHOUETTE	5.1	.41	.40	NA	1126	5.7	1199	34718	PSI	1.070
IMR TARGET	4.0	.48	.46	NA	1095	4.5	1197	33100	PSI	1.100
ACCUR #5	5.2	.32	.32	0.30	1034	6.1	1179	34420	PSI	1.070
ACCUR #7	6.4	.42	.40	NA	1052	7.5	1178	33632	PSI	1.070
R TRUE BLUE	4.8	.33	.32	0.30	1041	5.7	1174	34761	PSI	1.070

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9MM LUGER OR 9MM PARABELLUM

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L
115 Grain Lead Bullet										
HS6	6.4	.46	.46	NA	1117	6.9	1170	32200	CUP	1.100
LONGSHOT	5.0	.41	.40	NA	1032	6.0	1166	27300	CUP	1.100
TITEGROUP	3.9	.33	.32	0.30	1075	4.3	1151	30500	CUP	1.100
SR4756	4.5	.49	.49	0.50	1027	5.2	1145	31600	PSI	1.100
AUTOCOMP	4.4	.35	.34	0.30	1002	5.1	1145	31500	PSI	1.100
HP38	4.3	.40	.40	NA	1079	4.8	1135	32000	CUP	1.100
WIN 231	4.3	.40	.40	NA	1079	4.8	1135	32000	CUP	1.100
IMR 800X	4.5	.48	.46	NA	1004	5.3	1128	28200	PSI	1.100
RAM ZIP	3.8	.31	.30	0.30	1041	4.2	1125	34442	PSI	1.070
UNIVERSAL	4.0	.44	.43	NA	1034	4.5	1124	31300	CUP	1.100
SOLO 1000	4.0	.53	.53	0.50	1066	4.5	1122	34990	PSI	1.070
ACCUR #2	3.9	.33	.32	0.30	1055	4.4	1109	34808	PSI	1.070
R COMPETITION	3.5	.45	.43	NA	1038	3.8	1084	34622	PSI	1.070
IMR 700X	3.3	.44	.43	NA	986	3.7	1082	31900	PSI	1.100
IMR PB	3.3	.40	.40	NA	974	3.7	1061	32500	PSI	1.100
CLAYS	3.0	.44	.43	NA	954	3.4	1039	31000	CUP	1.100
A NITRO100	2.9	.39	.37	NA	980	3.3	1032	34451	PSI	1.070
115 Grain Copper Plated										
v-N350	5.7	.56	.53	0.50	1195	6.4	1282	NA	NA	1.142
v-3N37	6.1	.56	.53	0.50	1195	6.5	1256	NA	NA	1.142
v-N340	5.0	.53	.53	0.50	1157	5.4	1228	NA	NA	1.142
R TRUE BLUE	4.9	.34	.34	0.30	1070	5.8	1187	34793	PSI	1.140
v-N330	4.7	.51	.49	0.50	1123	5.1	1185	NA	NA	1.142
R SILHOUETTE	5.4	.43	.43	NA	1070	6.0	1178	34963	PSI	1.140
ACCUR #7	5.5	.36	.34	NA	1018	6.5	1157	34675	PSI	1.100
v-N320	3.9	.47	.46	NA	1068	4.4	1139	NA	NA	1.142
ACCUR #5	4.8	.30	LDPM	0.30	1005	5.7	1125	34850	PSI	1.100
RAM ZIP	4.1	.33	.32	0.30	1005	4.6	1089	34219	PSI	1.130
SOLO 1000	3.4	.45	.43	NA	930	4.1	1055	34750	PSI	1.100
ACCUR #2	3.7	.31	.30	0.30	977	4.4	1034	34550	PSI	1.100
R COMPETITION	3.2	.41	.40	NA	941	3.6	1003	34202	PSI	1.140
A NITRO100	2.8	.38	.37	NA	895	3.4	985	34500	PSI	1.100
115 Grain XTP										
v-3N37	6.0	.55	.53	0.50	1214	6.7	1305	NA	NA	1.142
v-N340	5.2	.55	.53	0.50	1198	5.9	1301	NA	NA	1.142
v-N350	5.9	.58	.57	0.50	1225	6.4	1299	NA	NA	1.142
BLUE DOT	7.5	.65	.61	NA	1122	8.5	1258	NA	NA	1.125
v-N330	4.8	.52	.49	0.50	1166	5.4	1251	NA	NA	1.142
UNIQUE	5.5	.61	.61	NA	1109	6.3	1244	NA	NA	1.125
HS6	6.7	.48	.46	NA	1171	7.0	1234	29400	CUP	1.125
WIN 572	5.3	.44	.43	NA	1137	5.7	1221	33000	PSI	1.125
POWER PISTOL	5.9	.52	.49	0.50	1081	6.7	1212	NA	NA	1.125
LONGSHOT	5.0	.41	.40	NA	1127	6.0	1203	32300	PSI	1.125
v-N320	4.0	.48	.46	NA	1118	4.5	1188	NA	NA	1.142
CFE PISTOL	5.3	.40	.40	NA	1059	5.9	1185	31800	PSI	1.125
IMR TARGET	4.4	.53	.53	0.50	1084	4.9	1171	32600	PSI	1.125
HP38	4.7	.44	.43	NA	1075	5.1	1167	28100	CUP	1.125
WIN 231	4.7	.44	.43	NA	1075	5.1	1167	28100	CUP	1.125
AUTOCOMP	5.1	.40	.40	NA	1078	5.6	1161	32500	PSI	1.125

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STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L
115 Grain XTP										
TITEGROUP	4.5	.38	.37	NA	1135	4.8	1158	30500	CUP	1.125
UNIVERSAL	4.5	.49	.49	0.50	1029	5.0	1149	31200	CUP	1.125
BULLSEYE	4.1	.44	.43	NA	1020	4.7	1144	NA	NA	1.125
SR7625	4.5	.47	.46	NA	1031	4.9	1113	32300	PSI	1.125
AMER-SELECT	4.8	.64	.61	NA	983	5.4	1102	NA	NA	1.125
CLAYS	3.7	.54	.53	0.50	1066	3.9	1095	32600	CUP	1.125
IMR 700X	3.9	.52	.49	0.50	991	4.2	1091	31900	PSI	1.125
IMR PB	3.6	.43	.43	NA	957	4.0	1038	32000	PSI	1.125
115 Grain Barnes X Solid Bullet										
R SILHOUETTE	4.8	.38	.37	NA	1003	5.3	1114	34030	PSI	1.160
ACCUR #5	5.0	.31	.30	0.30	959	5.5	1065	33880	PSI	1.160
ACCUR #2	4.1	.34	.34	0.30	905	4.6	1005	33330	PSI	1.160
R TRUE BLUE	4.4	.30	.30	0.30	902	4.9	1002	32150	PSI	1.160
RAM ZIP	3.3	.27	LDPM	NA	876	3.7	973	32540	PSI	1.160
120 Grain Jacketed Bullet										
v-3N37	5.7	.52	.49	0.50	1135	6.5	1280	NA	NA	1.130
v-N350	5.2	.51	.49	0.50	1115	5.9	1250	NA	NA	1.130
v-N340	4.5	.48	.46	NA	1070	5.2	1211	NA	NA	1.130
v-N330	4.5	.49	.49	NA	1070	5.1	1181	NA	NA	1.130
v-N320	3.7	.45	.43	NA	978	4.3	1083	NA	NA	1.130
124 Grain Jacketed Bullet										
v-N350	4.9	.48	.46	NA	1119	5.7	1237	NA	NA	1.142
v-3N37	5.2	.47	.46	NA	1096	6.0	1230	NA	NA	1.130
ACCUR #7	6.4	.42	.40	NA	975	7.5	1139	34925	PSI	1.100
v-N330	4.2	.45	.43	NA	981	4.9	1129	NA	NA	1.130
v-N340	4.3	.46	.46	NA	981	4.9	1129	NA	NA	1.130
wSUPER-FLD	4.7	.39	.37	NA	1015	5.3	1115	32700	PSI	1.169
R SILHOUETTE	4.7	.37	.37	NA	962	5.5	1085	34775	PSI	1.100
ACCUR #5	5.3	.33	.32	0.30	950	6.0	1075	34555	PSI	1.150
v-N320	3.4	.41	.40	NA	951	4.0	1070	NA	NA	1.142
R TRUE BLUE	4.9	.34	.34	0.30	895	5.8	1065	34850	PSI	1.100
ACCUR #2	3.6	.30	.30	0.30	880	4.2	992	34675	PSI	1.100
RAM ZIP	3.8	.31	.30	0.30	879	4.3	985	34750	PSI	1.100
SOLO 1000	3.1	.41	.40	NA	827	3.6	945	34250	PSI	1.100
R COMPETITION	2.9	.37	.37	NA	788	3.4	890	34825	PSI	1.100
A NITRO100	2.6	.35	.34	0.30	761	3.0	864	33750	PSI	1.100
124 Grain Lead Bullet										
v-3N37	5.4	.49	.49	NA	1156	5.9	1218	NA	NA	1.142
v-N340	4.7	.50	.49	0.50	1136	5.1	1211	NA	NA	1.142
v-N350	5.0	.49	.49	NA	1134	5.4	1191	NA	NA	1.142
v-N330	4.4	.47	.46	NA	1131	4.8	1175	NA	NA	1.142
v-N320	3.8	.46	.46	NA	1073	4.1	1125	NA	NA	1.142
R SILHOUETTE	4.5	.36	.34	NA	1020	5.0	1096	34644	PSI	1.050
ACCUR #7	5.5	.36	.34	NA	944	6.5	1086	34546	PSI	1.050
ACCUR #5	4.6	.29	LDPM	NA	939	5.4	1078	34557	PSI	1.050
R TRUE BLUE	4.3	.29	LDPM	NA	944	5.0	1070	34891	PSI	1.050
wSUPER-FLD	4.0	.34	.34	0.30	945	4.7	1055	27300	PSI	1.169
RAM ZIP	3.4	.28	LDPM	NA	958	3.7	1035	34722	PSI	1.050

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9MM LUGER OR 9MM PARABELLUM

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L
124 Grain Lead Bullet										
ACCUR #2	3.4	.28	LDPM	NA	953	3.8	1012	34794	PSI	1.050
SOLO 1000	3.3	.44	.43	NA	950	3.7	1007	34428	PSI	1.050
R COMPETITION	2.6	.33	.32	0.30	894	2.9	954	34713	PSI	1.050
A NITRO100	2.6	.35	.34	0.30	896	2.9	947	34995	PSI	1.050
124 Grain Copper Plated										
WIN 572	5.3	.44	.43	NA	1131	5.8	1212	32600	PSI	1.150
v-3N37	5.4	.49	.49	NA	1136	6.0	1199	NA	NA	1.142
v-N350	5.2	.51	.49	0.50	1115	5.9	1196	NA	NA	1.142
v-N340	4.7	.50	.49	0.50	1077	5.1	1152	NA	NA	1.142
LONGSHOT	4.8	.40	.40	NA	958	5.8	1135	32300	PSI	1.150
v-N330	4.2	.45	.43	NA	1063	4.7	1129	NA	NA	1.142
CFE PISTOL	4.9	.37	.37	NA	1006	5.5	1120	33800	PSI	1.150
AUTOCOMP	4.8	.38	.37	NA	1020	5.4	1120	32900	PSI	1.150
HS6	6.0	.43	.43	NA	1016	6.6	1116	32400	PSI	1.150
IMR 800X	5.2	.56	.53	0.50	1060	5.7	1114	30400	PSI	1.150
IMR TARGET	4.1	.49	.49	NA	1017	4.5	1109	32900	PSI	1.150
R SILHOUETTE	4.8	.38	.37	NA	1000	5.4	1082	34338	PSI	1.060
R TRUE BLUE	4.6	.31	.30	0.30	936	5.5	1074	34903	PSI	1.060
ACCUR #7	5.9	.39	.37	NA	929	6.9	1072	34627	PSI	1.060
ACCUR #5	4.9	.31	.30	0.30	929	5.8	1069	34456	PSI	1.060
v-N320	3.8	.46	.46	NA	1000	4.1	1069	NA	NA	1.142
IMR 700X	3.7	.50	.49	0.50	894	4.2	1068	33400	PSI	1.150
SR4756	4.9	.54	.53	0.50	967	5.4	1066	30800	PSI	1.150
TITEGROUP	3.6	.31	.30	0.30	957	4.1	1057	32700	PSI	1.150
SR7625	4.3	.45	.43	NA	900	4.9	1054	31800	PSI	1.150
UNIVERSAL	3.8	.42	.40	NA	904	4.4	1045	33500	PSI	1.150
WIN 231	3.9	.36	.34	NA	920	4.4	1037	31900	PSI	1.150
HP38	3.9	.36	.34	NA	920	4.4	1037	31900	PSI	1.150
IMR PB	3.8	.46	.46	NA	889	4.4	1023	32800	PSI	1.150
RAM ZIP	3.7	.30	.30	0.30	928	4.1	1004	34111	PSI	1.060
ACCUR #2	3.7	.31	.30	0.30	940	4.1	999	34231	PSI	1.060
SOLO 1000	3.6	.48	.46	NA	892	4.0	978	34384	PSI	1.160
R COMPETITION	3.0	.38	.37	NA	872	3.3	945	33994	PSI	1.060
TITEWAD	2.9	.38	.37	NA	847	3.4	942	32200	PSI	1.150
A NITRO100	2.9	.39	.37	NA	865	3.2	918	34556	PSI	1.060
CLAYS	2.7	.39	.37	NA	791	3.0	857	31200	PSI	1.150
124 Grain XTP										
BLUE DOT	7.0	.60	.57	NA	1103	7.9	1238	NA	NA	1.120
UNIQUE	5.1	.56	.53	0.50	1053	5.8	1180	NA	NA	1.120
ACCUR #7	6.2	.40	.40	NA	978	7.3	1150	34750	PSI	1.060
ACCUR #5	4.8	.30	LDPM	0.30	905	5.7	1075	34500	PSI	1.060
R SILHOUETTE	4.6	.37	.37	NA	945	5.4	1072	34850	PSI	1.060
R TRUE BLUE	4.7	.32	.32	0.30	892	5.5	1060	34525	PSI	1.060
BULLSEYE	3.9	.41	.40	NA	945	4.4	1059	NA	NA	1.120
AMER-SELECT	4.4	.59	.57	NA	939	5.0	1053	NA	NA	1.120
RAM ZIP	3.3	.27	LDPM	NA	888	3.7	967	34893	PSI	1.060
ACCUR #2	3.3	.28	LDPM	NA	877	3.6	938	34518	PSI	1.060
SOLO 1000	3.2	.43	.43	NA	868	3.6	935	34909	PSI	1.060
R COMPETITION	2.7	.35	.34	0.30	846	3.0	898	34722	PSI	1.060

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9MM LUGER OR 9MM PARABELLUM

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L
124 Grain XTP										
A NITRO100	2.6	.35	.34	0.30	839	2.9	883	34835	PSI	1.060
125 Grain Jacketed Bullet										
CFE PISTOL	4.2	.32	.32	0.30	956	4.8	1096	33400	PSI	1.069
WIN 572	4.0	.33	.32	0.30	961	4.6	1074	32800	PSI	1.069
R SILHOUETTE	4.6	.37	.37	NA	984	5.1	1060	34661	PSI	1.035
CLAYS	3.5	.51	.49	0.50	1010	3.7	1056	32500	CUP	1.090
IMR TARGET	3.5	.42	.40	NA	931	3.9	1037	32100	PSI	1.069
ACCUR #7	5.6	.37	.37	NA	897	6.5	1035	34747	PSI	1.035
ACCUR #5	4.6	.29	LDPM	NA	899	5.4	1027	34952	PSI	1.035
R TRUE BLUE	4.2	.29	LDPM	NA	879	5.0	1008	34663	PSI	1.035
LONGSHOT	3.9	.32	.32	0.30	901	4.4	998	32600	PSI	1.069
IMR PB	3.2	.39	.37	NA	887	3.6	974	33500	PSI	1.090
HS6	4.5	.32	.32	0.30	865	5.1	971	33100	PSI	1.069
RAM ZIP	3.4	.28	LDPM	NA	886	3.8	970	34303	PSI	1.035
ACCUR #2	3.6	.30	.30	0.30	889	4.0	961	34688	PSI	1.035
AUTOCOMP	3.6	.28	LDPM	NA	842	4.1	954	31600	PSI	1.069
SOLO 1000	3.4	.45	.43	NA	882	3.8	953	34824	PSI	1.035
SR4756	3.9	.43	.43	NA	868	4.2	940	32200	PSI	1.069
IMR 700X	2.9	.39	.37	NA	843	3.4	938	33500	PSI	1.069
TITEGROUP	2.8	.24	LDPM	NA	816	3.2	930	33700	PSI	1.069
SR7625	3.3	.35	.34	0.30	804	3.8	914	32000	PSI	1.069
R COMPETITION	2.8	.36	.34	NA	836	3.1	897	34158	PSI	1.035
UNIVERSAL	3.0	.33	.32	0.30	803	3.3	892	32200	PSI	1.069
A NITRO100	2.6	.35	.34	0.30	827	2.9	882	34004	PSI	1.035
WIN 231	2.8	.26	LDPM	NA	753	3.3	876	33600	PSI	1.069
HP38	2.8	.26	LDPM	NA	753	3.3	876	33600	PSI	1.069
125 Grain Lead Bullet										
CFE PISTOL	4.4	.33	.32	0.30	1041	5.0	1156	33000	PSI	1.125
HS6	5.9	.42	.40	NA	1023	6.6	1124	30700	CUP	1.125
LONGSHOT	5.0	.41	.40	NA	1052	5.7	1115	28300	CUP	1.125
AUTOCOMP	4.3	.34	.34	0.30	1012	4.8	1101	32800	PSI	1.125
UNIVERSAL	3.8	.42	.40	NA	993	4.3	1096	31300	CUP	1.125
TITEGROUP	3.6	.31	.30	0.30	1002	4.0	1096	30400	CUP	1.125
WIN 231	3.9	.36	.34	NA	1009	4.4	1086	31200	CUP	1.125
HP38	3.9	.36	.34	NA	1009	4.4	1086	31200	CUP	1.125
SR4756	4.2	.46	.46	NA	972	4.8	1071	30200	PSI	1.125
IMR TARGET	3.4	.41	.40	NA	980	3.8	1061	32300	PSI	1.125
IMR 800X	4.5	.48	.46	NA	1015	5.0	1051	26200	PSI	1.125
SR7625	3.6	.38	.37	NA	933	4.1	1035	31200	PSI	1.125
IMR PB	2.9	.35	.34	0.30	908	3.4	1004	34000	PSI	1.125
IMR 700X	2.9	.39	.37	NA	899	3.4	1003	31600	PSI	1.125
CLAYS	2.9	.42	.40	NA	899	3.3	993	30900	CUP	1.125
130 Grain Jacketed Bullet										
v-N105	7.0	.63	.61	NA	1151	7.4	1232	NA	NA	1.142
v-N350	5.2	.51	.49	0.50	1083	5.5	1135	NA	NA	1.142
v-3N37	4.9	.45	.43	NA	1067	5.5	1130	NA	NA	1.142
v-N340	4.4	.47	.46	NA	1066	4.8	1119	NA	NA	1.142
v-N330	4.0	.43	.43	NA	1031	4.5	1094	NA	NA	1.142
v-N320	3.6	.44	.43	NA	981	4.0	1046	NA	NA	1.142

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STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L
130 Grain Copper Plated										
WIN 572	4.6	.38	.37	NA	990	5.2	1131	33500	PSI	1.150
LONGSHOT	5.2	.43	.43	NA	970	5.8	1115	33900	PSI	1.150
IMR 800X	5.3	.57	.57	0.50	1032	5.8	1104	31000	PSI	1.150
HS6	5.9	.42	.40	NA	970	6.5	1097	31800	PSI	1.150
AUTOCOMP	4.8	.38	.37	NA	990	5.3	1093	33500	PSI	1.150
SR7625	4.2	.44	.43	NA	918	4.7	1026	32000	PSI	1.150
TITEGROUP	3.5	.30	LDPM	0.30	895	3.9	1006	32100	PSI	1.150
HP38	3.9	.36	.34	NA	903	4.3	1005	33100	PSI	1.150
WIN 231	3.9	.36	.34	NA	903	4.3	1005	33000	PSI	1.150
IMR 700X	3.5	.47	.46	NA	904	3.9	998	31100	PSI	1.150
UNIVERSAL	3.8	.42	.40	NA	857	4.2	978	31500	PSI	1.150
IMR PB	3.4	.41	.40	NA	809	3.8	921	32300	PSI	1.150
CLAYS	2.7	.39	.37	NA	755	3.0	853	31700	PSI	1.150
145 Grain Lead Bullet										
v-3N37	4.5	.41	.40	NA	982	5.0	1055	NA	NA	1.142
v-N350	4.2	.41	.40	NA	972	4.7	1047	NA	NA	1.142
v-N340	3.9	.42	.40	NA	982	4.3	1044	NA	NA	1.142
v-N330	3.5	.38	.37	NA	935	3.8	1000	NA	NA	1.142
147 Grain Jacketed Bullet										
R SILHOUETTE	4.2	.33	.32	0.30	880	4.7	955	34766	PSI	1.130
wSUPER-FLD	3.9	.33	.32	0.30	895	4.3	950	32300	PSI	1.169
ACCUR #7	5.3	.35	.34	0.30	818	6.2	948	34863	PSI	1.130
ACCUR #5	4.3	.27	LDPM	NA	826	5.1	938	34969	PSI	1.130
R TRUE BLUE	4.0	.27	LDPM	NA	819	4.7	932	34554	PSI	1.130
ACCUR #2	3.3	.28	LDPM	NA	814	3.6	869	34909	PSI	1.130
RAM ZIP	3.2	.26	LDPM	NA	784	3.5	857	34533	PSI	1.130
SOLO 1000	3.1	.41	.40	NA	780	3.5	843	34601	PSI	1.130
A NITRO100	2.5	.34	.34	0.30	737	2.8	782	34409	PSI	1.130
R COMPETITION	2.5	.32	.32	0.30	709	2.8	777	32759	PSI	1.130
147 Grain Lead Bullet										
ACCUR #7	5.4	.35	.34	0.30	881	6.3	996	34748	PSI	1.145
ACCUR #5	4.4	.27	LDPM	NA	867	5.2	990	34998	PSI	1.145
R SILHOUETTE	4.1	.33	.32	0.30	906	4.6	981	34001	PSI	1.145
R TRUE BLUE	4.0	.27	LDPM	NA	868	4.7	979	34623	PSI	1.145
wSUPER-FLD	3.7	.31	.30	0.30	905	4.1	965	32800	PSI	1.169
RAM ZIP	3.2	.26	LDPM	NA	867	3.5	941	34740	PSI	1.145
SOLO 1000	3.2	.43	.43	NA	867	3.5	923	34101	PSI	1.145
ACCUR #2	3.2	.27	LDPM	NA	852	3.6	911	34444	PSI	1.145
R COMPETITION	2.6	.33	.32	0.30	835	2.9	896	34964	PSI	1.145
A NITRO100	2.5	.34	.34	0.30	806	2.7	854	34238	PSI	1.145
147 Grain Copper Plated										
v-N350	4.2	.41	.40	NA	935	4.7	1014	NA	NA	1.142
v-3N37	4.5	.41	.40	NA	937	4.9	1008	NA	NA	1.142
ACCUR #7	5.6	.37	.37	NA	859	6.6	984	34748	PSI	1.160
R TRUE BLUE	4.4	.30	.30	0.30	849	5.1	984	34965	PSI	1.160
R SILHOUETTE	4.4	.35	.34	0.30	887	4.9	974	34078	PSI	1.160
ACCUR #5	4.6	.29	LDPM	NA	828	5.5	967	34884	PSI	1.160
v-N340	3.8	.41	.40	NA	892	4.1	960	NA	NA	1.142

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9MM LUGER OR 9MM PARABELLUM

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L
147 Grain Copper Plated										
v-N330	3.5	.38	.37	NA	893	3.8	942	NA	NA	1.142
RAM ZIP	3.5	.29	LDPM	NA	822	3.9	904	34722	PSI	1.160
ACCUR #2	3.4	.28	LDPM	NA	835	3.8	901	34683	PSI	1.160
SOLO 1000	3.3	.44	.43	NA	816	3.7	871	34173	PSI	1.160
A NITRO100	2.8	.38	.37	NA	767	3.1	823	34985	PSI	1.160
R COMPETITION	2.7	.35	.34	0.30	758	3.0	814	34427	PSI	1.160
147 Grain XTP										
v-N105	6.1	.55	.53	0.50	1039	6.4	1108	NA	NA	1.142
v-N350	4.5	.44	.43	NA	991	5.0	1070	NA	NA	1.142
v-3N37	4.7	.43	.43	NA	979	5.1	1052	NA	NA	1.142
v-N330	3.9	.42	.40	NA	964	4.3	1032	NA	NA	1.142
v-N340	3.9	.42	.40	NA	948	4.3	1015	NA	NA	1.142
LONGSHOT	3.8	.31	.30	0.30	851	4.7	1004	33800	PSI	1.100
BLUE DOT	5.1	.44	.43	NA	892	5.8	1001	NA	NA	1.130
R SILHOUETTE	4.6	.37	.37	NA	911	5.2	993	34106	PSI	1.165
ACCUR #7	5.7	.37	.37	NA	854	6.7	986	34976	PSI	1.165
v-N320	3.1	.38	.37	NA	784	3.9	978	NA	NA	1.142
POWER PISTOL	4.4	.39	.37	NA	870	5.0	975	NA	NA	1.130
ACCUR #5	4.7	.29	LDPM	NA	857	5.5	974	34444	PSI	1.165
R TRUE BLUE	4.4	.30	.30	0.30	846	5.2	970	34946	PSI	1.165
CFE PISTOL	3.7	.28	LDPM	NA	864	4.2	963	33000	PSI	1.100
WIN 572	3.5	.29	LDPM	NA	855	4.1	957	32200	PSI	1.100
UNIQUE	3.8	.41	.40	NA	851	4.3	954	NA	NA	1.130
TITEGROUP	3.2	.27	LDPM	NA	855	3.6	929	27500	CUP	1.100
IMR TARGET	3.2	.38	.37	NA	840	3.5	927	33500	PSI	1.100
AUTOCOMP	3.6	.28	LDPM	NA	827	4.0	916	32800	PSI	1.100
RAM ZIP	3.5	.29	LDPM	NA	835	3.9	911	34651	PSI	1.165
SOLO 1000	3.5	.47	.46	NA	829	3.9	890	34912	PSI	1.165
ACCUR #2	3.6	.30	.30	0.30	831	4.0	890	34211	PSI	1.165
HS6	4.3	.31	.30	0.30	773	5.0	885	27900	CUP	1.100
IMR 800X	3.5	.37	.37	NA	808	4.0	883	28900	PSI	1.100
UNIVERSAL	3.0	.33	.32	0.30	803	3.3	869	31000	CUP	1.100
R COMPETITION	3.1	.40	.40	NA	804	3.4	856	34449	PSI	1.165
SR7625	2.8	.29	LDPM	NA	707	3.3	844	32900	PSI	1.100
IMR 700X	2.6	.35	.34	0.30	764	2.9	838	32000	PSI	1.100
SR4756	3.0	.33	.32	0.30	668	3.6	834	29900	PSI	1.100
A NITRO100	2.8	.38	.37	NA	781	3.1	825	34013	PSI	1.165
150 Grain Jacketed Bullet										
v-N350	4.2	.41	.40	NA	936	4.6	997	NA	NA	1.130
v-3N37	4.2	.38	.37	NA	904	4.7	976	NA	NA	1.130
v-N340	3.8	.41	.40	NA	903	4.1	966	NA	NA	1.130
v-N330	3.5	.38	.37	NA	867	3.8	929	NA	NA	1.130

CAUTION with NEVER EXCEED LOADS, maintain Minimum Overall Length or larger
 LDPM = use LEE Drum Powder Measure with these loads.
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e = European
 c = Compressed charge
 NA = None Available