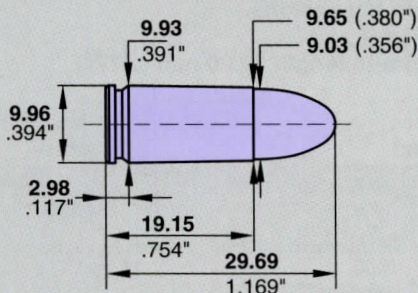


9mm Luger

CIP max. dimensions in millimeters (inches)



Country of origin:	Germany
Year of introduction:	1902
Max. bullet diameter:	9.03 mm (.357")
Max. cartridge length:	29.69 mm (1.169")
Max. shell length:	19.15 mm (.754"), trim to 19.00 mm (.744")
Max. CIP piezo pressure:	235 MPa (34075 psi)

The 9mm Luger, known also as the 9mm Parabellum and the 9 x 19, was introduced in 1902 together with the Luger automatic pistol, which later was given the famous name Pistole 08. The cartridge was first adopted by the German Navy in 1904 and then by the German army in 1908. The 9mm Luger is today the most widely chambered pistol and submachine cartridge in the world.

With the ending of WW II, a great number of military surplus semi-autos were sold, which enhanced popularity of the 9mm Luger as a sporting cartridge. Today all major manufacturers offer fine pistols in this caliber and factory loads are available all over the world. As a final proof of the 9mm Luger, also, United States military forces replaced the long-favored .45 ACP with it in 1985, which will remain a source of debate among the U.S. fighting men maybe forever.

The 9mm Luger is economical and relatively easy to reload. The groove diameters of the barrels chambered in it may, however, vary considerably. That usually does not present any particular problem to the reloader who uses jacketed bullets, but when loading cast or swaged lead bullets. With those the best accuracy should be achieved, if the bullets are extremely hard and they have been calibrated to match closely the groove diameter of the barrel.

9mm Luger

TEST COMPONENTS:

Test barrel: 100 mm (4"), 1 in 10" twist, manufactured to meet CIP minimum dimensions.

Primers: Small Pistol

Cases: Remington, trim-to length 19.00 mm (.748")

Reloading Data, Metric Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]	Pressure [MPa]
5.8	HP-XTP	Hornady	27.0	N310	0.26	4.0	373	0.28	4.3	388	max.
				N320	0.32	4.9	406	0.35	5.4	426	max.
				N330	0.37	5.6	425	0.40	6.2	443	max.
				N340	0.37	5.7	430	0.41	6.4	460	max.
				N350	0.43	6.6	432	0.48	7.4	464	max.
				3N37	0.43	6.6	443	0.48	7.4	467	max.
6.5	HP	Speer	27.5	N320	0.31	4.8	379	0.34	5.3	405	max.
				N330	0.36	5.5	399	0.39	6.0	422	max.
				N340	0.38	5.9	402	0.43	6.6	438	max.
				3N37	0.43	6.7	407	0.49	7.5	443	max.
7.5	HP-XTP	Hornady	29.0	N320	0.27	4.1	346	0.30	4.6	368	max.
				N330	0.32	5.0	362	0.36	5.5	388	max.
				N340	0.35	5.5	373	0.39	6.1	404	max.
				3N37	0.40	6.2	377	0.45	6.9	405	max.
				N350	0.39	6.0	379	0.43	6.6	402	max.
				N320	0.26	4.1	331	0.29	4.5	353	max.
7.5	RN	Rainier	29.0	N330	0.31	4.7	347	0.33	5.2	366	max.
				N340	0.33	5.1	358	0.36	5.6	380	max.
				N350	0.38	5.8	371	0.42	6.5	397	max.
				3N37	0.40	6.2	369	0.43	6.6	387	max.
				N320	0.26	4.0	314	0.28	4.4	336	max.
				N330	0.31	4.8	345	0.34	5.3	368	max.
7.8	CEPP	LAPUA	28.7	N340	0.33	5.1	352	0.37	5.7	376	max.
				N350	0.39	6.0	364	0.42	6.5	389	max.
				3N37	0.37	5.7	345	0.40	6.2	368	max.
				N320	0.25	3.8	331	0.27	4.2	347	max.
				N330	0.29	4.5	348	0.31	4.9	362	max.
				N340	0.31	4.8	352	0.34	5.3	375	max.
8.0	LSWC	Inter cast	29.0	3N37	0.36	5.5	357	0.39	6.0	376	max.
				N350	0.33	5.1	350	0.36	5.6	367	max.

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INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

9mm Luger

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Reloading Data, Metric Units:

Bullet				Powder	Starting Load			Maximum Load			
Weight [g]	Type	Mfg.	C.O.L. [mm]	Type	Weight [g]	[grs]	Velocity [m/s]	Weight [g]	[grs]	Velocity [m/s]	Pressure [MPa]
8.0	FMJ/FP	Hornady	29.0	N320	0.26	4.0	316	0.28	4.4	340	max.
				N330	0.32	5.0	343	0.34	5.3	365	max.
				N340	0.35	5.3	353	0.37	5.8	376	max.
				3N37	0.40	6.1	362	0.43	6.6	382	max.
				N350	0.36	5.6	354	0.40	6.1	376	max.
8.0	RN	Rainier	29.0	N320	0.25	3.8	310	0.27	4.2	331	max.
				N330	0.28	4.4	329	0.31	4.8	349	max.
				N340	0.31	4.7	334	0.34	5.3	357	max.
				N350	0.35	5.5	346	0.39	6.1	371	max.
				3N37	0.36	5.5	351	0.40	6.1	370	max.
8.4	FMJ	Sierra	29.0	N320	0.24	3.7	304	0.26	4.1	324	max.
				N330	0.27	4.2	319	0.30	4.6	338	max.
				N340	0.29	4.4	329	0.31	4.9	345	max.
				N350	0.34	5.2	334	0.36	5.6	350	max.
				3N37	0.33	5.1	330	0.37	5.7	349	max.
9.4	LRN	Intercast	29.0	N105	0.46	7.2	357	0.48	7.5	382	max.
				N330	0.23	3.5	290	0.25	3.9	310	max.
				N340	0.26	4.0	304	0.28	4.4	323	max.
				N350	0.28	4.3	302	0.31	4.8	325	max.
				3N37	0.30	4.6	305	0.33	5.1	327	max.
9.5	HP/XTP	Hornady	29.0	N330	0.26	4.1	299	0.28	4.4	320	max.
				N340	0.26	4.1	294	0.28	4.4	314	max.
				3N37	0.31	4.8	304	0.34	5.3	326	max.
				N350	0.30	4.7	308	0.33	5.1	332	max.
				N105	0.40	6.2	322	0.42	6.5	343	max.
9.5	RN	Rainier	29.0	N330	0.23	3.6	276	0.25	3.9	291	max.
				N340	0.25	3.9	277	0.27	4.2	298	max.
				N350	0.28	4.3	291	0.31	4.8	315	max.
				3N37	0.30	4.6	291	0.32	5.0	313	max.
				N330	0.23	3.5	269	0.25	3.8	288	max.
9.7	CEPP	Lapua	28.7	N340	0.25	3.9	280	0.27	4.2	299	max.
				N350	0.28	4.4	290	0.30	4.7	308	max.
				3N37	0.28	4.4	281	0.31	4.8	303	max.

INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

9mm Luger

Reloading Data, English Units:

Bullet				Powder	Starting Load		Maximum Load		
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]	Velocity [fps]	Weight [grs]	Velocity [fps]	Pressure [psi]
90	HP-XTP	Hornady	1.063	N310	4.0	1224	4.3	1272	max.
				N320	4.9	1332	5.4	1397	max.
				N330	5.6	1394	6.2	1455	max.
				N340	5.7	1411	6.4	1508	max.
				N350	6.6	1417	7.4	1522	max.
				3N37	6.6	1453	7.4	1532	max.
100	HP	Speer	1.083	N320	4.8	1243	5.3	1328	max.
				N330	5.5	1309	6.0	1384	max.
				N340	5.9	1319	6.6	1436	max.
				3N37	6.7	1335	7.5	1452	max.
115	HP-XTP	Hornady	1.142	N320	4.1	1135	4.6	1206	max.
				N330	5.0	1188	5.5	1272	max.
				N340	5.5	1224	6.1	1327	max.
				3N37	6.2	1237	6.9	1328	max.
115	RN	Rainier	1.142	N350	6.0	1243	6.6	1318	max.
				N320	4.1	1086	4.5	1157	max.
				N330	4.7	1138	5.2	1201	max.
				N340	5.1	1175	5.6	1245	max.
115	RN	Rainier	1.142	N350	5.8	1217	6.5	1304	max.
				3N37	6.2	1211	6.6	1271	max.
120	CEPP	LAPUA	1.130	N320	4.0	1030	4.4	1103	max.
				N330	4.8	1132	5.3	1207	max.
				N340	5.1	1155	5.7	1234	max.
				N350	6.0	1194	6.5	1277	max.
124	LSWC	Inter cast	1.142	3N37	5.7	1132	6.2	1209	max.
				N320	3.8	1086	4.2	1138	max.
				N330	4.5	1142	4.9	1186	max.
				N340	4.8	1155	5.3	1230	max.
124	FMJ/FP	Hornady	1.142	3N37	5.5	1171	6.0	1234	max.
				N350	5.1	1148	5.6	1205	max.
				N320	4.0	1037	4.4	1115	max.
				N330	5.0	1125	5.3	1196	max.
124	FMJ/FP	Hornady	1.142	N340	5.3	1158	5.8	1233	max.
				3N37	6.1	1188	6.6	1252	max.
				N350	5.6	1161	6.1	1232	max.

INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED

9mm Luger

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Reloading Data, English Units:

Bullet				Powder	Starting Load		Maximum Load		
Weight [grs]	Type	Mfg.	C.O.L. [in.]	Type	Weight [grs]	Velocity [fps]	Weight [grs]	Velocity [fps]	Pressure [psi]
124	RN	Rainier	1.142	N320	3.8	1017	4.2	1086	max.
				N330	4.4	1079	4.8	1146	max.
				N340	4.7	1096	5.3	1171	max.
				N350	5.5	1135	6.1	1216	max.
				3N37	5.5	1152	6.1	1214	max.
130	FMJ	Sierra	1.142	N320	3.7	997	4.1	1062	max.
				N330	4.2	1047	4.6	1109	max.
				N340	4.4	1079	4.9	1132	max.
				N350	5.2	1096	5.6	1148	max.
				3N37	5.1	1083	5.7	1145	max.
145	LRN	Inter cast	1.142	N105	7.2	1171	7.5	1252	max.
				N330	3.5	951	3.9	1016	max.
				N340	4.0	997	4.4	1060	max.
				N350	4.3	991	4.8	1066	max.
				3N37	4.6	1001	5.1	1073	max.
147	HP/XTP	Hornady	1.142	N330	4.1	981	4.4	1050	max.
				N340	4.1	965	4.4	1031	max.
				3N37	4.8	997	5.3	1070	max.
				N350	4.7	1010	5.1	1089	max.
				N105	6.2	1056	6.5	1125	max.
147	RN	Rainier	1.142	N330	3.6	906	3.9	954	max.
				N340	3.9	909	4.2	977	max.
				N350	4.3	955	4.8	1033	max.
				3N37	4.6	955	5.0	1025	max.
				N330	3.5	883	3.8	945	max.
150	CEPP	LAPUA	1.130	N340	3.9	919	4.2	981	max.
				N350	4.4	951	4.7	1012	max.
				3N37	4.4	922	4.8	995	max.

INDICATES MAXIMUM LOAD - USE WITH CAUTION!

LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED