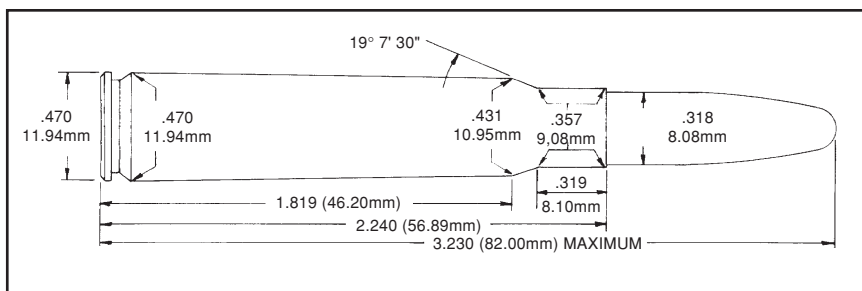


# 8x57mm MAUSER

The 8mm Mauser was the primary German military rifle cartridge through both World Wars. As initially adopted it used bullets of .318" diameter which is known as the "J" bore. In 1905 the bullet diameter was increased to .323" which is known as the "JS" bore.



For several years after the change in bore dimensions by the German military, the manufacturers of sporting rifles in Europe continued to use both bore sizes. This causes no confusion to the European users of these cartridges. The American shooting public, however, tends to lump all 8mm Mauser cartridges into one category. This fact, plus the importation of older military rifles and some sporting rifles using the smaller dimension bore, has created the potential for damage or injury if the 8x57 "JS" cartridge is fired in an 8x57 "J" firearm.

SAAMI's solution to this problem was to limit the pressures of American manufactured 8mm Mauser ammunition to 35,000 P.S.I. This low pressure loading allows the safe use of American ammunition in both weapons.

8x57mm MAUSER				
Gun	DOUGLAS	Max Length	2.240"	
Barrel Length	24"	Trim Length	2.220"	
Primer	CCI 250	OAL Max	3.230"	
Case	REM	OAL Min	2.815"	

Bullet	START LOADS			MAXIMUM LOADS			P.S.I.	Cartridge Length	Comment		
	Powder	Grains	Vel.	Powder	Grains	Vel.					
170 (L) FNGC	<b>4350</b>	42.3	1983	<b>4350</b>	47.0	2253	31,700	2.710"	RCBS		
	<b>3100</b>	47.7	1940	<b>3100</b>	53.0	2205				29,700	Compressed
	<b>8700</b>	49.1	1581	<b>8700</b>	54.5	1797				24,100	Compressed
HDY 125 SP	<b>4350</b>	47.7	2128	<b>4350</b>	53.0	2418	25,200	2.890"	Compressed		
	<b>3100</b>	47.7	1923	<b>3100</b>	53.0	2185				20,400	Compressed
	<b>8700</b>	49.1	1573	<b>8700</b>	54.5	1788				18,400	Compressed
HDY 150 SP	<b>4350</b>	45.0	2107	<b>4350</b>	50.0	2394	32,500	2.950"	Compressed		
	<b>3100</b>	47.7	1961	<b>3100</b>	53.0	2228				27,100	Compressed
	<b>8700</b>	49.1	1522	<b>8700</b>	54.5	1730				21,200	Compressed

## 8x57mm MAUSER (continued)

Bullet	START LOADS			MAXIMUM LOADS			P.S.I.	Cartridge Length	Comment
	Powder	Grains	Vel.	Powder	Grains	Vel.			
HDY 170 RN	<b>4350</b>	43.2	1991	<b>4350</b>	48.0	2262	33,600	2.840"	
	<b>3100</b>	47.7	1919	<b>3100</b>	53.0	2181	30,400		Compressed
	<b>8700</b>	49.1	1523	<b>8700</b>	54.5	1731	25,400		Compressed
SPR 200 SP	<b>4350</b>	39.6	1794	<b>4350</b>	44.0	2039	31,200	2.970"	
	<b>3100</b>	44.1	1742	<b>3100</b>	49.0	1980	28,100		Compressed
	<b>8700</b>	49.1	1489	<b>8700</b>	54.5	1692	26,600		Compressed
HDY 220 SP	<b>4350</b>	37.8	1677	<b>4350</b>	42.0	1906	30,800	2.990"	
	<b>3100</b>	44.3	1712	<b>3100</b>	49.2	1946	30,900		Compressed
	<b>8700</b>	46.4	1331	<b>8700</b>	51.5	1512	23,200		Compressed