



GGG .223 Rem  
GGG .308 Win

# GGG

GIRAITĖS GINKLUOTĖS GAMYKLA  
PASSION. PERFORMANCE. PRECISION.

**.223 Rem and .308 Win** - are tested caliber designs, which have been developed to satisfy the constantly increasing needs of professionals and enthusiasts in hunting, target and sniper shooting. These cartridges are manufactured following the same strict quality control requirements, which are applied to military ammunition.

**HPBT (Hollow Point Boat Tail)** – Bullet with slower (controlled) expansion, with a tip in its pit. For the wide range of performance, HPBT bullets are available in different calibers and weights. Best for precision and tactical shooting.

**SBT (Soft (point) Boat Tail)** – Bullet with a faster expansion, where some of the lead core is protruding from the front of the bullet to improve expansion, which causes greater damage after the impact. Perfect for hunting.

**FMJ (Full Metal Jacket)** – Non-expanding bullet, with copper jacket covering the entire bullet forward of the base with only a small amount of exposed lead at the base. Available in different calibers, suitable for cartridges intended for sport, tactical shooting to cause less damage.



Ballistic data on  
**GGG cal. .223 Rem**  
cartridge designs

Bullet type .223 Rem	Ballistic coefficient	Energy, (J)						Velocity, (m/s)						Bullet path, (cm)					
		0 m	100 m	200 m	300 m	400 m	500 m	0 m	100 m	200 m	300 m	400 m	500 m	0 m	100 m	200 m	300 m	400 m	500 m
GGG FMJ 55 gr (3,56 g)	0.272	1835	1410	1075	800	585	425	1015	890	775	670	575	485	-	0	-12	-41	-92	-173
Sierra HPBT 69 gr (4,47 g)	0.301	1810	1420	1100	845	640	480	900	795	700	615	535	465	-	0	-16	-51	-113	-210



**GGG .223 Rem and GGG .308 Win**  
alternative cartridge packing options



The cartridges **.223 Rem** and **.308 Win** comply with C.I.P ( Permanent International Commission for the Proof of Small-Arms) requirements.







## Ballistic data on GGG cal. .308 Win cartridge designs



Bullet type .308 Win	Ballistic coefficient	Energy, (J)							Velocity, (m/s)							Bullet path, (cm)						
		0 m	100 m	200 m	300 m	400 m	500 m	0 m	100 m	200 m	300 m	400 m	500 m	0 m	100 m	200 m	300 m	400 m	500 m			
Sierra HPBT 155 gr (10,04 g)	0.450	3715	3145	2640	2200	1820	1495	860	790	725	660	600	545	-	0	-16	-50	-107	-191			
Sierra HPBT 168 gr (10,89 g)	0.462	3525	2975	2485	2055	1675	1355	805	740	675	615	555	500	-	0	-18	-58	-123	-221			
Sierra HPBT 175 gr (11,34 g)	0.496	3720	3185	2715	2300	1935	1620	810	750	690	640	585	535	-	0	-17	-55	-118	-209			
Sierra HPBT 180 gr (11,66 g)	0.496	3590	3070	2610	2205	1850	1545	785	725	670	615	565	515	-	0	-19	-59	-126	-224			
Sierra HPBT 190 gr (12,31 g)	0.533	3745	3235	2785	2380	2020	1705	780	725	670	620	575	525	-	0	-19	-59	-125	-221			
Sierra SBT 165 gr (10,69 g)	0.404	3465	2860	2350	1915	1545	1240	805	730	660	560	540	480	-	0	-18	-60	-127	-230			
Sierra SBT 180 gr (11,66 g)	0.506	3550	3040	2595	2200	1855	1555	780	720	665	615	565	515	-	0	-19	-60	-127	-225			
GGG FMJ 147 gr (9,55 g)	0.401	3375	2795	2295	1870	1510	1205	842	765	695	625	565	505	-	0	-17	-54	-116	-210			



Joint Stock Company **Giraitės ginkluotės gamykla (GGG)** is one of the most modern small arms ammunition manufacturers in the world using innovative technology and advanced equipment.

The main activity of the plant is the production of civil and military ammunition, as well as cartridge components.

**Military ammunition production:**

Cal. 7.62 x 51 mm NATO Ball certified cartridges  
Cal. 5.56 x 45 mm NATO Ball certified cartridges

**Civil ammunition production:**

Cal. .308 Win cartridges  
Cal. .223 Rem cartridges

**Cartridge components production:**

Bullet cups  
Case cups  
Cases  
Bullets M80, M193, SS109  
Steel cores  
Lead cores

**GGG**

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