

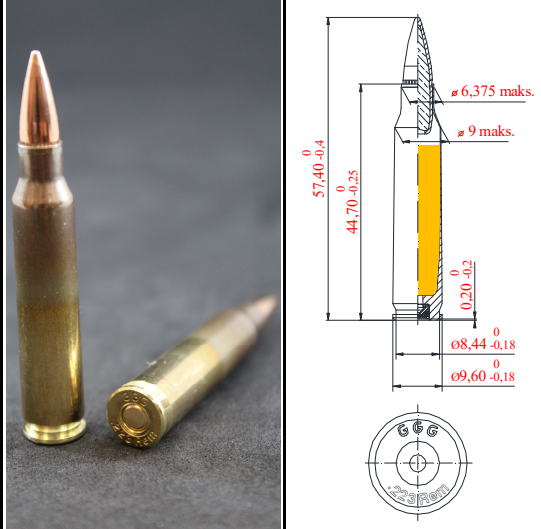
## .223 Rem Ammunition (GPR12)

### GENERAL INFORMATION

.223 Rem ammunition produced in the company AB Giraitės ginkluotės gamykla (GGG). Ammunition is designed for target shooting. This ammunition produced in accordance with C.I.P (Permanent International Commission for the Proof of Small-arms), ISO 9001:2015 (Quality Management Systems Requirements), ISO 2859-1 (Sampling Procedures and for Inspection by Attributes Part 1: Sampling Plans indexed by Acceptable Quality Level (AQL) for lot-by-lot inspection), ISO 3951 (Sampling Procedures and Charts for Inspection by Variables for Percent Defective) requirements. Ammunition is designed for shooting .223 Rem caliber weapons. It is designed for short-term storage and not to used either in or under the extreme climatic conditions. More information about GGG production: <http://www.ggg-ammo.lt/en/production>

### TECHNICAL SPECIFICATIONS

#### 1. Table. Technical specifications


	<b>Caliber</b>		.223 Rem
	<b>Normal description</b>		GPR12
	<b>Bullet</b>	type	FMJ
	<b>Bullet weight</b>	gr	62
		g	4,00
	<b>Total length</b>	mm	57,40 -0,40
	<b>Bullet extraction</b>	N	≥ 50
	<b>Bullet material</b>		Jacket – CuZn10; Core – lead antimony (2,5%)
	<b>Case material</b>		CuZn30
	<b>Case length</b>	mm	44,70 -0,25
	<b>Propellant</b>	type	Double base
	<b>Total weight</b>	g	11,85±0,45
	<b>Primer</b>	type	BOXER

### BALLISTIC PROPERTIES

#### 2. Table. Bullet average velocity values, shooting from testing barrel

PARAMETER	BULLET MEAN VELOCITY $V_0$ , m/s					
	GPR12					
Bullet mean velocity m/s, barrel length 508 mm, twist 7"	950 ± 15					
Velocity maximum standard deviation	12,0					
PARAMETERS	RANGE					
	0	100	200	300	400	500
Velocity (m/s)	950	840	740	650	560	485
Bullet path (cm)	-	0	-14	-46	-102	-189
Energy (J)	1800	1415	1095	840	630	465
Ballistic coefficient	0,298					

### PRODUCT INFORMATION SHEET

 GIRAITĖS GINKLUOTĖS GAMYKLA PASSION. PERFORMANCE. PRECISION.	CARTRIDGE .223REM GPR12			CALIBER: <b>.223Rem</b>	SHEET: 1/3
	DRAWN BY: R.Gaigalas	CHECKED BY: R.Bendaravičius	DATE: 21/05/2020	<b>223 PIS GPR12</b>	<b>00</b>

## MARKING

Minimum marking of cartridge and its packaging is done in accordance with C.I.P. 3. TESTING OF AMMUNITION requirements:

### - Stamped on the base of cartridge case:

- Manufacturer's initials
- Caliber

### - Stenciled on the internal carton box:

- Manufacturer's logo and name
- Quantity of cartridges in the box
- Weight of bullet
- Caliber
- Type of bullet
- Lot number
- CIP Mark
- Bullet velocity, bullet path and energy at 0, 100, 200, 300, 400 and 500 m from barrel mouth. Initial bullet velocity at barrel mouth, recalculated from  $V_{24}$  m/s velocity.
- Ballistic coefficient
- Warnings related to the exploitation and health safety.
- Barcode
- Address of manufacture
- Recycle marks of package

### - Stenciled on the external box:

- Manufacturer's logo and name
- Caliber and design
- Quantity of inner carton boxes in the outer carton box
- Quantity of cartridges in the inner carton box
- Quantity of cartridges in the outer carton box
- Safety information
- Lot number
- Weight of bullet
- Type of bullet
- Net weight
- Net explosive quantity
- Gross weight
- Volume
- Certification number of the outer box
- Proper shipping name
- Explosive hazard orange mark
- Recycle marks of package
- Address of manufacturer
- UN number
- Serial number label of box

## PRODUCT INFORMATION SHEET

**GGG**

GIRAITĖS GINKLUOTĖS GAMYKLA  
PASSION. PERFORMANCE. PRECISION.

CARTRIDGE .223REM GPR12

CALIBER:  
**.223Rem**

SHEET:  
2/3

DRAWN BY:  
R.Gaigalas

CHECKED BY:  
R.Bendaravičius

DATE:  
21/05/2020

**223 PIS GPR12**

**00**

## PACKAGING

Cartridges supplied in either outer carton or metal M2A1 boxes which are palletized. The boxes and pallets should be marked according to the requirements of the customer.


### 3. Table. Cartridges packaging and units

Number of packing option	Variant of packing on pallet	PACKING OPTION	UNITS			
			Quantity of cartridges	Dimension, mm	Net weight, kg	Gross weight, kg
1		Internal colour carton box	20	22x63x113	–	–
		External Metal box M2A1	800	305,6x154,8x190,5	9,9	13,9
	1.1	EUR pallet	44800	1080x1250x520	555,0	811,0
2		Internal carton box	50	43,5x58x97	–	–
		External Metal box M2A1	1000	305,6x154,8x190,5	12,3	15,3
	2.1	EUR pallet	56000	1080x1250x520	689,0	890,0
3		Internal colour carton box	20	22x63x113	–	–
		External carton box	700	321x154x183	8,6	10,2
	3.1	EUR pallet	44800	800x1200x900	551,0	682,0
	3.2	Strengthened EUR pallet	49000	1000x1200x810	602,0	778,0
4		Internal carton box	50	43,5x58x97	–	–
		External carton box	1200	321x154x183	14,8	15,4
	4.1	EUR pallet	76800	800x1200x900	948,0	1015,0
	4.2	Strengthened EUR pallet	84000	1000x1200x810	1036,0	1142,0

## SHIPPING AND STORAGE DATA

Proper shipping name – Cartridges for weapons, inert projectile  
 Hazard classification code – 1.4 S  
 UN number – 0012

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 GIRAITĖS GINKLUOTĖS GAMYKLA PASSION. PERFORMANCE. PRECISION.	CARTRIDGE .223REM GPR12			CALIBER: <b>.223Rem</b>	SHEET: 3/3
	DRAWN BY: R.Gaigalas	CHECKED BY: R.Bendaravičius	DATE: 21/05/2020	<b>223 PIS GPR12</b>	<b>00</b>