

.223 Rem Ammunition (GPR11)

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 be used either in or under the extreme climatic conditions.

TECHNICAL SPECIFICATIONS

1. Table. Technical specifications

| | | | |
|--|---------------------------|------|--|
| | Caliber | | .223 Rem |
| | Normal description | | GPR11 |
| | Bullet | type | FMJ |
| | Bullet weight | gr | 55 |
| | | g | 3,56 |
| | Total length | mm | 57,40 - 0,70 |
| | Bullet extraction | N | ≥ 50 |
| | Bullet material | | Jacket – CuZn10; Core – lead antimony (2,2%) |
| | Case material | | CuZn30 |
| | Case length | mm | 44,70 - 0,25 |
| | Propellant | type | Double base |
| | Total weight | g | 11,55±0,45 |
| | Primer | type | BOXER |

BALLISTIC PROPERTIES

2. Table. Bullet average velocity values, shooting from C.I.P. testing barrel

| PARAMETER | BULLET MEAN VELOCITY V ₀ , m/s | | | | | |
|---|---|------|------|-----|-----|------|
| | GPR11 | | | | | |
| Bullet mean velocity, m/s, barrel length 600 mm, twist 9” (12”) | 1015 ± 15 | | | | | |
| Velocity maximum standard deviation | 12,0 | | | | | |
| PARAMETERS | RANGE | | | | | |
| | 0 | 100 | 200 | 300 | 400 | 500 |
| Velocity (m/s) | 1015 | 890 | 775 | 670 | 575 | 485 |
| Bullet path (cm) | - | 0 | -12 | -41 | -92 | -173 |
| Energy (J) | 1835 | 1410 | 1075 | 800 | 585 | 425 |
| Ballistic coefficient | 0.272 | | | | | |

PRODUCT INFORMATION SHEET

| | | | | | |
|--|---------------------------|--------------------------------|---------------------|----------------------------|---------------|
| | CARTRIDGE .223REM GPR11 | | | CALIBER: .223Rem | SHEET: 1/3 |
| | DRAWN BY: N.Račiūnienė | CHECKED BY: R.Bendaravičius | DATE: 20/02/2018 | 223 PIS GPR11 02 | |

MARKING

Minimum marking of cartridge and it's 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

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.

PRODUCT INFORMATION SHEET

GGG

GIRAITĖS GINKLUOTĖS GAMYKLA
PASSION. PERFORMANCE. PRECISION.

CARTRIDGE .223REM GPR11

CALIBER:
.223Rem

SHEET:
2/3

DRAWN BY:
N.Račiūnienė

CHECKED BY:
R.Bendaravičius

DATE:
20/02/2018

223 PIS GPR11

02


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 | 9,6 | 13,6 |
| | 1.1 | EUR pallet | 44800 | 1080x1250x520 | 537,0 | 794,0 |
| 2 | | Internal carton box | 50 | 43,5x58x97 | – | – |
| | | External Metal box M2A1 | 1000 | 305,6x154,8x190,5 | 12,0 | 15,0 |
| | 2.1 | EUR pallet | 56000 | 950x1250x520 | 672,0 | 873,0 |
| 3 | | Internal colour carton box | 20 | 22x63x113 | – | – |
| | | External carton box | 760 | 321x154x183 | 9,1 | 10,8 |
| | 3.1 | EUR pallet | 48640 | 800x1200x900 | 583,0 | 720,0 |
| | 3.2 | Strengthened EUR pallet | 53200 | 1000x1200x810 | 638,0 | 823,0 |
| 4 | | Internal carton box | 50 | 43,5x58x97 | – | – |
| | | External carton box | 1200 | 321x154x183 | 14,4 | 15,0 |
| | 4.1 | EUR pallet | 76800 | 800x1200x900 | 921,0 | 989,0 |
| | 4.2 | Strengthened EUR pallet | 84000 | 1000x1200x810 | 1008,0 | 1117,0 |

SHIPPING AND STORAGE DATA

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

PRODUCT INFORMATION SHEET

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|--|---------------------------|--------------------------------|---------------------|----------------------------------|---------------|
|  GIRAITĖS GINKLUOTĖS GAMYKLA PASSION. PERFORMANCE. PRECISION. | CARTRIDGE .223REM GPR11 | | | CALIBER: .223Rem | SHEET: 3/3 |
| | DRAWN BY: N.Račiūnienė | CHECKED BY: R.Bendaravičius | DATE: 20/02/2018 | 223 PIS GPR11 02 | |