



Remington Arms Company, Inc.
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PRODUCT DATA SHEET

223 Remington/55-gr Jacketed Powdered Metal Frangible

Index LF223R5B
 RAMAC 23896
 Date prepared/revised 12-Sept-07

COMPONENT & MANUFACTURING INFORMATION

CALIBER 223 Remington
SHELL Brass (Copper alloy 260; cartridge brass)
BULLET WEIGHT 55-grain
BULLET CONSTRUCTION Copper jacketed, compressed powdered iron/tin core, frangible
PRIMER Remington #198-HMF (2½-HMF); Diazodinitrophenol (Dinol)-based heavy-metal-free priming mix. Operating range -20°F to +150°F (-29°C to +66°C)
PRIMER SEALANT Lacquer-type sealant
CASEMOUTH SEALANT None
CASE KNURL None
HEADSTAMP Loaded cartridges are headstamped with the following information: "R-P" and "223 REM"
PRIMER MARKING Primer cups are marked "HF" to enable visual identification
PROPELLANT DETECTION 100% mechanical, electrical, or electro-mechanical detection of propellant level within the cartridge.
LOT IDENTIFICATION Each box of ammunition is identified with a unique code which allows traceability to shift/day/month/year of packaging and/or loading and all in-process assembly and test results.
FINAL INSPECTION 100% visual and/or vision system inspection of finished cartridges prior to final packaging.
PACKAGING Box quantity 20 cartridges
 Case quantity 500 cartridges



BALLISTIC & PERFORMANCE INFORMATION

AVERAGE INSTRUMENTAL VELOCITY 3,215 ± 50 fps (measured at 15', over 20') for a 10-round test when fired from a SAAMI-compliant test barrel.
AVERAGE PRESSURE 55,000 psi maximum for a 10-round test measured at the time of manufacture with a conformal piezoelectric transducer in a SAAMI-compliant test barrel.
AVERAGE MUZZLE ENERGY 1,282 ft-lb_f (3,240 fps muzzle)
ACCURACY Maximum extreme spread of three 5-round groups of 6.0" at 100 yards fired from a 1:7 twist SAAMI-compliant accuracy test barrel mounted in a Universal Receiver. Typical performance is <3.0" at 100 yards from 1:7 twist.
FRANGIBILITY Largest individual fragments typically 5 grains or less after impact with a hard steel (AR500) target at 45°.
BULLET PULL Minimum average (10-round test) 52 lb_f
 Minimum individual 39 lb_f