



Remington Arms Company, Inc.  
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**PRODUCT DATA SHEET**

**40 S&W/141-gr Plated Powdered Metal Frangible**

Index ..... LF40SWA  
 RAMAC ..... 23864  
 Date prepared/ revised ..... 12-May-03

**COMPONENT & MANUFACTURING INFORMATION**

**CALIBER**..... 40 Smith & Wesson  
**SHELL** ..... Brass (Copper alloy 260; cartridge brass)  
**BULLET WEIGHT** ..... 141-grain  
**BULLET CONSTRUCTION** ..... Electroplated copper cladding, compressed powdered iron core, frangible  
**PRIMER**..... Remington #149-HMF (1½-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 “40 S&W”  
**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 ..... 50 cartridges  
 Case quantity ..... 500 cartridges



**BALLISTIC & PERFORMANCE INFORMATION**

**AVERAGE INSTRUMENTAL VELOCITY** ..... 1,110 ± 35 fps (measured at 15', over 20') for a 10-round test when fired from a SAAMI-compliant test barrel.  
**AVERAGE PRESSURE** ..... 35,000 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** ..... 329 ft-lb<sub>f</sub> (1,120 fps muzzle)  
**ACCURACY** ..... Maximum extreme spread of three 5-round groups of 3.1” at 25 yards fired from a SAAMI-compliant accuracy test barrel mounted in a Universal Receiver.  
**FRANGIBILITY** ..... No fragments greater than 5 grains after impact with a hard steel (AR500) target at 45°.  
**BULLET PULL** ..... Minimum average (10-round test) ..... 72 lb<sub>f</sub>  
 Minimum individual ..... 59 lb<sub>f</sub>