

**ARMY & AIR FORCE EXCHANGE SERVICE (AAFES)**  
**JEWELRY SPECIFICATIONS - BEST**  
(Updated 21 February 2003)

A sample will be inspected in its entirety, i.e. quality of diamond(s) and/or stone(s), quality of mounting, precious metal content, stamping and tagging. Diamonds shall be graded for clarity and color per the Jewelry Cost Analysis Proposal Worksheet, based upon the Gemological Institute of America's (GIA's) diamond grading system

The Following jewelry specifications are the minimum acceptable requirements for jewelry to be supplied under this contract. All jewelry supplied under these specifications shall either meet or exceed the following:

1. REQUIREMENTS FOR DIAMONDS:

A. Acceptable Carat Weight Ranges:

1/4 = 0.23 to 0.29	1 1/2 = 1.45 to 1.62
1/3 = 0.30 to 0.36	2 = 1.90 to 2.22
1/2 = 0.45 to 0.58	2 1/2 = 2.45 to 2.62
3/4 = 0.70 to 0.83	3 = 2.90 to 3.19
7/8 = 0.84 to 0.94	
1 = 0.95 to 1.15	
1 1/4 = 1.16 to 1.29	
1 1/3 = 1.30 to 1.44	

B. Clarity: VS<sub>2</sub> or better

C. Color : G or better

D. Cut:

1. Round Diamonds: Must be well cut and proportioned.
2. Fancy Shape Diamonds: Must be well cut and proportioned.

Fancy shaped diamonds with unattractive or unbalanced cuts will be unacceptable.

2. ALL DIAMONDS:

- A. No knife-edge girdles or extremely thick girdles in the diamond.
- B. No dark centers in the diamond which are the result of light leakage caused by too deep of a pavilion.
- C. Round diamonds must have a table percentage between 52% and 67%.
- D. Round diamonds must have crown angles no less than 30 degrees or greater than 38 degrees.
- E. Diamonds must be good or better symmetry and polish.
- F. No chips, breaks or fractures in the stone.
- G. No laser drilled diamonds.
- H. No treated (clarity enhanced ) diamonds including fracture filled treatment.
- I. No diamonds will have strong fluorescence.
- J. Culet size on diamond must be None – Medium.
- k. On all items containing more than one diamond, the diamonds shall face up approximately the same size and color.
- l. Diamonds must be properly seated, securely set and not loose.

### 3. REQUIREMENTS FOR MOUNTINGS, STAMPING and TAGGING:

The requirements for mountings, stamping and tagging are outlined in the following Appendices:

- A. Appendix I - AAFES Specifications for Precious Metal: Mountings
- B. Appendix II - AAFES Requirements for Stamping
- C. Appendix III - AAFES Specifications for Tagging

4. Commonly found jewelry defects are listed in the Appendix IV – Glossary: Explanation of Defects.

5. Merchandise under “Best” specifications goes through inspection by IGI (International Gemological Institute), however, should AAFES need to perform a sampling inspection, AAFES will use “AAFES Double –Sampling Plan for Normal Inspection, 4.0 AQL.” This sampling plan is derived from MIL-STD-105E or ANSI/ASQ Z 1.4, Sampling Procedures and Tables for Inspection by Attributes.