

FEDERAL STANDARD
SAMPLING PROCEDURES

This standard was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

S1. PURPOSE AND SCOPE

This publication establishes a sampling evaluation technique which can be applied to nonpowered hand tools procured by the Federal Government. Its usage is mandatory when referenced in procurement documents.

S2. APPLICATION

The method herein mentioned and covered by this standard shall be used to insure that an acceptable quality level is maintained in the procurement of Government supplies.

S3. SAMPLING PROCEDURES

Sampling procedures shall be in accordance with MIL-STD-105 (latest revision). Data for sampling shall be as stated in table I. Defects are listed in table II.

TABLE I. SAMPLING DATA

Category	Sample Unit	Inspection Level	AQL For Major Defectives	AQL For Minor Defectives	AQL Expressed In Terms Of
Visual	One Component Each	S-4	4.0	6.5	Percent Defective
Dimensional and Testing	One Component Each	S-3	4.0	6.5	Percent Defective

TABLE II. Defects

	Major	Minor
1. Type, class, style, form, or size not as specified.	X	
2. Material, coating, marking not as specified.	X	
3. Roughness height value 20 percent greater than allowable.	X	
4. Roughness height value greater than allowable by less than 20 percent.		X
5. Dimensions affecting utile surfaces or interchangeability which are out of tolerance.	X	
6. Other dimensions out of tolerance by 5 percent or more of allowable dimension.	X	
7. Other dimensions out of tolerance by less than 5 percent of allowable dimension.		X

TABLE II. Defects (con.)

	Major	Minor
8. Discontinuity in coating.		X
9. Item marking readable but not clear.		X
10. Any failure to conform to specified requirements that may affect usability.	X	
11. Any failure to conform to specified requirements that is not likely to affect usability.		X

S4. EXAMINATION AND TESTING

Each offered lot shall be sampled as shown in table I for all characteristics cited in Column I (category). Table II shall be used as a guide in determining the defect class (major or minor). An inspection lot shall consist of all items submitted for inspection at one time. When kits or sets are offered, an inspection lot shall consist of all kits or sets submitted for inspection at one time. Examination of kits and sets shall be accomplished by considering that the inspection lot is divided into sublots.* A subplot shall consist of all like components such as, like tools of a specific type, class, and size. Each subplot shall be inspected as if individual components had been offered. Rejection of any subplot, based on the specified AQL for the particular item, shall constitute rejection of the entire lot.

*EXAMPLE: A lot of 300 sets each containing 19 components and 1 box shall be examined as 20 sublots of 300 each.

S6. CHANGES

When a Federal agency considers that this standard does not provide for its essential needs, written request for changing or adding to the standard, supported by adequate justification, shall be sent to the Administration. This justification shall explain wherein the standard does not provide for essential needs. The request shall be sent in duplicate to the General Services Administration, Federal Supply Service, Specification Management Staff, Washington, D.C. 20406. The Administration will determine the appropriate action to be taken and will notify the agency.

Orders for this publication are to be placed with General Services Administration, acting as an agency for the Superintendent of Documents. Single copies of this standard are available at the GSA Business Service Centers in Boston, New York, Atlanta, Chicago, Kansas City, MO, Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, WA. Additional copies may be purchased from the General Services Administration, Specifications Section, Special Programs Division, Building 197, Naval Weapons Plant, Washington, DC 20407.