



# Equipment Performance Report: 1999 Autoloading Pistols



**U.S. Department of Justice**  
Office of Justice Programs  
*National Institute of Justice*

# **Equipment Performance Report: 1999 Autoloading Pistols**

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# Table of Contents

<b>About the National Institute of Justice</b> .....	v
<b>About the Law Enforcement and Corrections Standards and Testing Program</b> .....	vii
<b>About the National Law Enforcement and Corrections Technology Center System</b> .....	ix
<b>About the Office of Law Enforcement Standards</b> .....	xi
<b>Executive Summary</b> .....	1
<b>Minimum Performance Requirements, Methods of Testing, and Commentary</b> .....	5
User Information.....	5
Visual Inspection.....	5
Dimensional Requirements.....	5
Functional Requirements .....	6
Model Qualification Firing Requirement .....	8
Drop Safety Requirement .....	9
Drop Function Requirement .....	9
<b>Summary of Test Results</b> .....	11
<b>Glossary</b> .....	15
<b>Photos and Test Result Forms</b> .....	17
Colt’s Manufacturing Company, Inc. ....	18
Model: Government; Caliber: .45 ACP .....	18
Glock, Inc.....	22
Model: 17; Caliber: 9mm Luger.....	22
Model: 21; Caliber: .45 ACP .....	26
Model: 22; Caliber: .40 S&W .....	30
Model: 31; Caliber: .357 SIG.....	34
Kahr Arms.....	38
Model: K9; Caliber: 9mm Luger .....	38
Model: MK40; Caliber: .40 S&W .....	42
Kimber Manufacturing, Inc. ....	46
Model: Stainless Ultra Carry; Caliber: .40 S&W.....	46
Model: Ultra Carry; Caliber: .45 ACP .....	50

## Table of Contents

SIG Arms, Inc. ....	54
Model: P220; Caliber: .45 ACP .....	54
Model: P229; Caliber: 9mm Luger.....	58
Model: P229; Caliber: .40 S&W .....	62
Model: SP2340; Caliber: .357 SIG.....	66
Smith & Wesson .....	70
Model: 4566; Caliber: .45 ACP .....	70
Model: 5946; Caliber: 9mm Luger.....	74
Model: SW99; Caliber: .40 S&W .....	78
Sturm, Ruger & Company, Inc. ....	82
Model: P94DC; Caliber: .40 S&W.....	82
Model: P95DAO; Caliber: 9mm Luger .....	86
Model: P97DC; Caliber: .45 ACP .....	90
Taurus International Manufacturing, Inc. ....	94
Model: PT92AF; Caliber: 9mm Luger .....	94
Model: PT940; Caliber: .40 S&W .....	98
Model: PT945; Caliber: .45 ACP .....	102
Model: PT957; Caliber: .357 SIG .....	106

# About the National Institute of Justice

The National Institute of Justice (NIJ), a component of the Office of Justice Programs (OJP), is the research agency of the U.S. Department of Justice. Created by the Omnibus Crime Control and Safe Streets Act of 1968, as amended, NIJ is authorized to support research, evaluation, and demonstration programs, development of technology, and both national and international information dissemination. Specific mandates of the Act direct NIJ to:

- Sponsor special projects and research and development programs that will improve and strengthen the criminal justice system and reduce or prevent crime.
  - Conduct national demonstration projects that employ innovative or promising approaches for improving criminal justice.
  - Develop new technologies to fight crime and improve criminal justice.
  - Evaluate the effectiveness of criminal justice programs and identify programs that promise to be successful if continued or repeated.
  - Recommend actions that can be taken by Federal, State, and local governments as well as by private organizations to improve criminal justice.
  - Carry out research on criminal behavior.
  - Develop new methods of crime prevention and reduction of crime and delinquency.
- In recent years, NIJ has greatly expanded its initiatives, the result of the Violent Crime Control and Law Enforcement Act of 1994 (the Crime Act), partnerships with other Federal agencies and private foundations, advances in technology, and a new international focus. Some examples of these new initiatives:
- New research and evaluation are exploring key issues in community policing, violence against women, sentencing reforms, and specialized courts such as drug courts.
  - Dual-use technologies are being developed to support national defense and local law enforcement needs.
  - Four regional National Law Enforcement and Corrections Technology Centers (NLECTC), a Border Research and Technology Center, and three specialty offices have joined the National Center in Rockville, Maryland, to form the NLECTC system.
  - The causes, treatment, and prevention of violence against women and violence within the family are being investigated in cooperation with several agencies of the U.S. Department of Health and Human Services.
  - NIJ's links with the international community are being strengthened through membership in the United Nations (U.N.) network of criminological institutes; participation in developing the U.N. Criminal Justice Information Network; initiation of UNOJUST (U.N. Online Justice Clearinghouse), which electronically links the institutes to the U.N. network; and establishment of an NIJ International Center.
  - The NIJ-administered criminal justice information clearinghouse, the world's largest, has improved its online capability.
  - The Institute's Drug Use Forecasting (DUF) program has been expanded and enhanced. Renamed ADAM (Arrestee Drug Abuse Monitoring), the program will increase the number of drug-testing sites, and its role as a "platform" for studying drug-related crime will grow.
  - NIJ's new Crime Mapping Research Center will provide training in computer mapping technology, collect and archive geocoded crime data, and develop analytic software.

## About the National Institute of Justice

- The Institute's program of intramural research has been expanded and enhanced.

The Institute Director, who is appointed by the President and confirmed by the Senate, establishes the Institute's objectives, guided by the priorities of

OJP, the Department of Justice, and the needs of the criminal justice field. The Institute actively solicits the views of criminal justice professionals and researchers in the continuing search for answers that inform public policymaking in crime and justice.

# About the Law Enforcement and Corrections Standards and Testing Program

The Law Enforcement and Corrections Standards and Testing Program is sponsored by the Office of Science and Technology of the National Institute of Justice (NIJ), U.S. Department of Justice. The program responds to the mandate of the Justice System Improvement Act of 1979, which directed NIJ to encourage research and development to improve the criminal justice system and to disseminate the results to Federal, State, and local agencies.

The Law Enforcement and Corrections Standards and Testing Program is an applied research effort that determines the technological needs of justice system agencies, sets minimum performance standards for specific devices, tests commercially available equipment against those standards, and disseminates the standards and the test results to criminal justice agencies nationwide and internationally.

The program operates through the following:

- The **Law Enforcement and Corrections Technology Advisory Council (LECTAC)**, consisting of nationally recognized criminal justice practitioners from Federal, State, and local agencies, assesses technological needs and sets priorities for research programs and items to be evaluated and tested.
- The **Office of Law Enforcement Standards (OLES)** at the National Institute of Standards and Technology develops voluntary national performance standards for compliance testing to ensure that individual items of equipment are suitable for use by criminal justice agencies. The equipment standards developed by OLES are based upon laboratory evaluation of commercially available products in order to devise precise test methods that can be universally applied by any qualified testing laboratory and to establish minimum performance requirements for each attribute of a piece of equipment that is essential to how it functions. OLES-

developed standards can serve as design criteria for manufacturers or as the basis for equipment evaluation. The application of the standards, which are highly technical in nature, is augmented through the publication of equipment performance reports and user guides. Individual jurisdictions may use the standards in their own laboratories to test equipment, have equipment tested on their behalf using the standards, or cite the standards in procurement specifications.

- The **National Law Enforcement and Corrections Technology Center (NLECTC)**, operated by a grantee, supervises a national compliance testing program conducted by independent laboratories. The standards developed by OLES serve as performance benchmarks against which commercial equipment is measured. The facilities, personnel, and testing capabilities of the independent laboratories are evaluated by OLES prior to testing each item of equipment. In addition, OLES helps NLECTC staff review and analyze data. Test results are published in consumer product reports designed to help justice system procurement officials make informed purchasing decisions.

Publications are available at no charge through NLECTC. Some documents are also available online through the Justice Technology Information Network (JUSTNET), the center's Internet/World Wide Web site. To request a document or additional information, call 800-248-2742 or 301-519-5060, or write:

**National Law Enforcement and Corrections Technology Center**  
P.O. Box 1160  
Rockville, MD 20849-1160

E-mail: [asknlectc@nlectc.org](mailto:asknlectc@nlectc.org)  
World Wide Web address: <http://www.nlectc.org>

# About the National Law Enforcement and Corrections Technology Center System

The National Law Enforcement and Corrections Technology Center (NLECTC) system exists to support the Nation's structure of State and local law enforcement and corrections. The United States has more than 18,000 law enforcement agencies, 50 State correctional systems, and thousands of prisons and jails. The fragmented nature of law enforcement and corrections impedes the dissemination of valuable new information, fosters a patchwork marketplace that discourages the commercialization of new technologies, and underscores the need for uniform performance standards for equipment and technologies.

The National Institute of Justice's (NIJ's) Office of Science and Technology (OS&T) created NLECTC in 1994 as a national system of technology centers that are clearinghouses of information and sources of technology assistance and that also attend to special needs, including technology commercialization and standards development.

The NLECTC system's purpose is to determine the needs of the law enforcement and corrections communities and assist them in understanding, using, and benefiting from new and existing technologies that, increasingly, are vital levers of progress in criminal justice. It is especially important to note that NIJ/OS&T and the NLECTC system are the only current programs developed by the Federal Government that focus solely on the development and transfer of technologies to State and local law enforcement and corrections.

NLECTC is a program of NIJ, the research and development arm of the U.S. Department of Justice. The system currently consists of a national center, four regional centers, and three specialty centers. Also contributing to the initiatives of the center system is the Office of Law Enforcement Standards.

The centers are colocated with a host organization or agency that specializes in one or more areas of technology research and development.

The National Center, located in Rockville, Maryland, is the system's information hub. Regional centers are currently located in California, Colorado, New York, and South Carolina. Specialty centers located around the country deal with border matters (California), commercialization of law enforcement and corrections technologies (West Virginia), and forensic science (Florida).

Each center shares roles with the other centers and has distinctive characteristics. All are focused on helping law enforcement and corrections take full advantage of technology's rapidly growing capacity to serve the purposes of crime control and the criminal justice system.

A national body of criminal justice professionals, the Law Enforcement and Corrections Technology Advisory Council (LECTAC), helps identify research and development priorities, thereby influencing the work of the NLECTC system. In addition, each NLECTC center has a regional advisory council of law enforcement and corrections officials. Together, LECTAC and the advisory councils help to keep the NLECTC system attentive to technological priorities and the needs of law enforcement and corrections. They help to link the end user with the developer to create technologies that adequately meet operational requirements and establish which potential technologies should be pursued for development.

All of the current regional centers have distinctive roles or focus areas, that, in many cases, are aligned with the expertise of host organizations and agencies. The centers are currently operated

under cooperative agreements or interagency agreements with host organizations and agencies whose employees staff the centers.

To receive more information or to add your name to the NLECTC mailing list, call 800-248-2742 or 301-519-5060, or write:

**National Law Enforcement and Corrections Technology Center**

P.O. Box 1160  
Rockville, MD 20849-1160  
E-mail: [asknlectc@nlectc.org](mailto:asknlectc@nlectc.org)  
World Wide Web address: <http://www.nlectc.org>

The following is a list of NLECTC regional and affiliated facilities that assist NIJ in fulfilling its mission.

**NLECTC-Northeast**

26 Electronic Parkway  
Rome, NY 13441-4514  
(p) 888-338-0584  
(f) 315-330-4315  
E-mail: [nlectc\\_ne@rl.af.mil](mailto:nlectc_ne@rl.af.mil)

**NLECTC-Southeast**

5300 International Boulevard  
North Charleston, SC 29418  
(p) 800-292-4385  
(f) 843-760-4611  
E-mail: [nlectc-se@nlectc-se.org](mailto:nlectc-se@nlectc-se.org)

**NLECTC-Rocky Mountain**

2050 East Iliff Avenue  
Denver, CO 80208  
(p) 800-416-8086  
(f) 303-871-2500  
E-mail: [nlectc@du.edu](mailto:nlectc@du.edu)

**NLECTC-West**

c/o The Aerospace Corporation  
2350 East El Segundo Boulevard  
El Segundo, CA 90245-4691  
(p) 888-548-1618  
(f) 310-336-2227  
E-mail: [nlectc@law-west.org](mailto:nlectc@law-west.org)

**Border Research and Technology Center**

225 Broadway  
Suite 740  
San Diego, CA 92101  
(p) 888-656-2782  
(f) 888-660-2782  
E-mail: [brtchrissa@aol.com](mailto:brtchrissa@aol.com)

**Office of Law Enforcement Standards**

100 Bureau Drive, Stop 8102  
Gaithersburg, MD 20899-8102  
(p) 301-975-2757  
(f) 301-948-0978  
E-mail: [oles@nist.gov](mailto:oles@nist.gov)

**Office of Law Enforcement Technology Commercialization**

Wheeling Jesuit University  
316 Washington Avenue  
Wheeling, WV 26003  
(p) 888-306-5382  
(f) 304-243-2131  
E-mail: [oletc@nttc.edu](mailto:oletc@nttc.edu)

**National Center for Forensic Science**

University of Central Florida  
P.O. Box 162367  
Orlando, FL 32816-2367  
(p) 407-823-6469  
(f) 407-823-3162  
E-mail: [natlctr@pegasus.cc.ucf.edu](mailto:natlctr@pegasus.cc.ucf.edu)

## About the Office of Law Enforcement Standards

The Office of Law Enforcement Standards (OLES) was established as a matrix management organization in 1971 through a Memorandum of Understanding between the U.S. Departments of Justice and Commerce based upon the recommendations of the President's Commission on Crime. OLES' mission is to apply science and technology to the needs of the criminal justice community, including law enforcement, corrections, forensic science, and the fire service. While its major objective is to develop minimum performance standards, which are promulgated as voluntary national standards, OLES also undertakes studies leading to the publication of technical reports and user guides.

The areas of research investigated by OLES include clothing, communication systems, emergency equipment, investigative aids, protective equipment, security systems, vehicles, weapons, and analytical techniques and standard reference materials used by the forensic science community. The composition of OLES' projects varies depending upon priorities of the criminal justice community at any given time and, as necessary, draws upon the resources of the National Institute of Standards and Technology.

OLES assists law enforcement and criminal justice agencies in acquiring, on a cost-effective basis, the high-quality resources they need to do their jobs. To accomplish this, OLES:

- Develops methods for testing equipment performance and examining evidentiary materials.
- Develops standards for equipment and operating procedures.
- Develops standard reference materials.
- Performs other scientific and engineering research as required.

Since the program began in 1971, OLES has coordinated the development of nearly 200 standards, user guides, and advisory reports. Topics range from performance parameters of police patrol vehicles, to performance reports on various speed-measuring devices, to soft body armor testing, to analytical procedures for developing DNA profiles.

The application of technology to enhance the efficiency and effectiveness of the criminal justice community continues to increase. The proper adoption of the products resulting from emerging technologies and the assessment of performance of equipment, systems, methodologies, etc., used by criminal justice practitioners constitute critical issues that have safety and legal ramifications. The consequences of inadequate equipment performance or inadequate test methods can range from inconvenient to catastrophic. In addition, these deficiencies can adversely affect the general population when they increase public safety costs, preclude arrest, or result in evidence found to be inadmissible in court.

## Executive Summary

*A firearm is one of the most critical pieces of equipment carried by a law enforcement officer. It serves as a constant reminder of the unique responsibility that a police officer has to utilize deadly force when needed to protect his or her life or the lives of citizens. A firearm that does not work reliably can result in serious injury or death to the officer, and possibly to bystanders.*

Recognizing that the vast majority of law enforcement agencies today use autoloading pistols as their issued duty weapon, the National Institute of Justice (NIJ), through its National Law Enforcement and Corrections Technology Center (NLECTC) system, recently performed a series of tests for autoloading pistols. The tests were performed in accordance with the requirements of the revised version of *Autoloading Pistols for Police Officers, NIJ Standard-0112.03 (Revision A)*, dated July 1999.

This standard establishes performance requirements and test methods for pistols used by law enforcement officers as their duty weapon, and is intended for use in assessing the acceptability of new or reissued autoloading pistols. (All pistols must be examined and reconditioned as necessary by a trained armorer or gunsmith prior to reissue.) This standard does not address specific safety devices, full or partial magazine release, pistol shot group size, accuracy, sights, or service life (endurance testing). It is important to note that the test methods and information detailed in this report address the performance requirements specific to the needs of the law enforcement community. The data and other information found in this report should not be interpreted or used for general consumer purposes (i.e., for use by private citizens in selecting or purchasing firearms for sporting use or personal protection).

The standard is a general revision of and supersedes *NIJ Standard-0112.02*, dated January 1995, and addresses new pistol designs, calibers (replacing the 10mm with the .357 SIG caliber), revised procedures for verifying headspace, and general revision of the testing procedures. *NIJ Standard-0112.03 (Revision*

*A)* addresses four calibers of weapons: the 9mm Luger, .357 SIG, .40 S&W, and .45 ACP. These are the four calibers that are commonly chosen by law enforcement agencies as their primary duty weapon. *Revision A* of *NIJ Standard-0112.03* clarifies procedures for test methods and incorporates data collection and revised reporting requirements.

The requirements of *NIJ Standard-0112.03 (Revision A)* are very stringent, as they represent the level of performance required for a pistol that is fully capable of service use under the demanding conditions and environments in which law enforcement officers work. NLECTC testing requires that the samples tested be combat ready directly “out of the box.” In the interest of safety, however, it is recommended that when an agency purchases new pistols, each pistol should be examined by a qualified armorer and judged to be combat ready before being issued.

To comply with the requirements of the standard, two representative samples of a pistol model must successfully pass all informational, functional, and test requirements defined in the standard. These requirements are discussed in detail later in this document. There are no provisions for partial compliance with the standard. However, a model that fails only one of the testing requirements may be submitted for retesting to that specific test. But the manufacturer must provide a written explanation indicating why—in the manufacturer’s opinion—the model failed that portion of the test, as well as what steps will be taken to correct the problem. Once the model passes the retest, it will be found to comply with the requirements of the standard. Any significant change in the construction of the pistol by the manufacturer requires that it be submitted under a new model designation and tested to all of the requirements of the standard.

In the summer of 1999, NLECTC contacted the major manufacturers of autoloading pistols for law enforcement use and requested that they provide pistols chambered in each of the four calibers specified

## Executive Summary

in the standard for testing. Eight manufacturers (Colt's Manufacturing Company, Inc.; Glock, Inc.; Kahr Arms; Kimber Manufacturing, Inc.; SIG Arms, Inc.; Smith & Wesson; Sturm, Ruger & Company; and Taurus International Manufacturing, Inc.) agreed to submit a total of 23 pistol models for testing. The models and calibers tested are detailed in table 1.

NLECTC issued subcontracts to two independent testing laboratories (H.P. White Laboratory, Inc., Street, Maryland; and United States Test Laboratory, LLC, Wichita, Kansas) to perform this testing. Both laboratories submitted proposals that were evaluated by NIJ, the Office of Law Enforcement Standards (OLES), and NLECTC. Both laboratories then successfully demonstrated their capabilities to perform testing in accordance with *NIJ Standard-0112.03*

(*Revision A*) by conducting preliminary tests on two pistols of the same model, which were provided by NLECTC. Additionally, a representative from either NLECTC or OLES witnessed all testing described in this report.

Testing was performed between August and October 1999. The pistols were divided randomly by NLECTC between the two laboratories, so that each laboratory tested as equal a total number of pistols as possible, as well as an equal number of pistols in each caliber as possible. Test results showed that 17 of the 23 pistol models complied with the standard. Three models failed to comply with two or more of the critical test areas of the standard and were therefore not eligible for retesting. Two models failed one of the test requirements. However, each model was eligible for

**Table 1. Listing of Models Tested**

Manufacturer	Model	Caliber	Magazine Capacity (Number of Rounds)	Action Type
Colt's Manufacturing Company, Inc.	Government	.45 ACP	8	Single
Glock, Inc.	17	9mm Luger	17	Striker Fire
	21	.45 ACP	13	Striker Fire
	22	.40 S&W	15	Striker Fire
	31	.357 SIG	15	Striker Fire
Kahr Arms	K9	9mm Luger	7	Striker Fire
	MK40	.40 S&W	6	Striker Fire
Kimber Manufacturing, Inc.	Stainless Ultra Carry	.40 S&W	7	Single
	Ultra Carry	.45 ACP	6	Single
SIG Arms, Inc.	P220	.45 ACP	7	Double
	P229	9mm Luger	13	Double
	P229	.40 S&W	12	Double
	SP2340	.357 SIG	12	Double
Smith & Wesson	SW99	.40 S&W	12	Striker Fire
	4566	.45 ACP	8	Double
	5946	9mm Luger	15	Double Only
Sturm, Ruger & Company	P94DC	.40 S&W	10	Double
	P95DAO	9mm Luger	10	Double Only
	P97DC	.45 ACP	8	Double
Taurus International Manufacturing, Inc.	PT92AF	9mm Luger	15	Double
	PT940	.40 S&W	10	Double
	PT945	.45 ACP	8	Double
	PT957	.357 SIG	10	Double

limited retesting in its respective areas of failure. Both models failed to comply upon retesting. Another model failed one of the test requirements (dimensional); the manufacturer elected not to submit the model for retesting. Summaries of the test results can be found in tables 2 and 3 in the summary section.

For the purposes of this report, no attempt has been made to rank the pistols according to their test results aside from compliance and noncompliance with the standard. Consequently, all models that are found to comply with the requirements of *NIJ Standard-0112.03 (Revision A)* are considered equal. NLECTC recommends that agencies carefully review the information contained in this report and base their purchasing decisions on the extent that failure to comply with a specific requirement limits the pistol's ability to meet the agency's needs. It is a reasonable assumption that a pistol that complies with **all** requirements of the NIJ standard is preferable to a pistol that does not comply with all requirements of the standard. However, if through a careful assessment of an agency's operational requirements, it is determined that a particular requirement of the standard is not essential, then noncompliance with that requirement need not be a disqualifying factor for a particular model. Conversely, if an agency desires certain requirements above and beyond those of the standard (e.g., a magazine with a minimum capacity of 15 rounds, as opposed to the 6-round minimum capacities required by the standard; ambidextrous safeties; night sights; and accuracy requirements, such as shot pattern size), a pistol that merely complies with the minimum requirements of the standard may not be suitable.

When an agency attempts to determine which, if any, of the requirements of *NIJ Standard-0112.03 (Revision A)* are not critical to its operational needs, it is important to recognize the level of skill and expertise needed to perform adjustments to an autoloading pistol. Individuals who have not had specific training either as an armorer or a gunsmith should never be allowed to make modifications or adjustments not specifically authorized in the manufacturer's literature that accompanies the pistol. Modifications or adjustments performed by untrained individuals may result in a pistol that is unsafe to use.

It is NLECTC's desire that this first round of testing will establish an ongoing voluntary compliance testing program for autoloading pistols, under which pistol manufacturers will submit other models sold to law enforcement agencies for testing on a continual basis. NLECTC would then publish periodic reports detailing new tests, as well as ongoing updates to the Autoloading Pistol Consumer Product List (CPL), to include new models tested and found to comply with the standard. To ensure that this testing program and its resulting reports meet the requirements of the law enforcement community, NLECTC desires input and feedback about the usefulness of this standard, the test procedures, or the equipment performance reports resulting from these tests, and suggestions for enhancements. Comments and suggestions may be sent in writing to NLECTC, c/o Autoloading Pistol Compliance Testing Program, P.O. Box 1160, Rockville, MD 20849-1160; faxed to 301-519-5149; or e-mailed to [asknlectc@nlectc.org](mailto:asknlectc@nlectc.org), Attention: Testing Manager.

# Minimum Performance Requirements, Methods of Testing, and Commentary

*NIJ Standard-0112.03 (Revision A)* establishes requirements and methods of testing for seven broad categories of pistol performance. The discussion that follows summarizes the specific requirements, briefly describes the manner in which compliance is tested or determined, and provides an explanation of the purposes for each requirement. To achieve compliance with the standard, both sample pistols of the same manufacturer and model must pass all of the following requirements and tests.

## User Information

*Requirements:* At a minimum, the manufacturer must include with each pistol information detailing instructions for field disassembly/assembly and diagram(s) identifying all parts; cleaning instructions; a description of each safety feature designed into the pistol; a statement on ammunition known to be beyond the design limits of the pistol; and how a parts list may be obtained. Manufacturers may supply any other information that they believe may be needed by the user for proper and safe operation of their handgun.

*Methodology:* Compliance is determined by examining the information provided with each pistol, verifying that all required information is included and that the documentation is suitable for its intended purpose.

*Commentary:* This information is essential for the user in order to properly use and care for the pistol. *NIJ Standard-0112.03* changed the requirements for disassembly/assembly from “complete” to “field,” in recognition of the fact that certain pistols are not recommended to be completely disassembled by anyone other than a trained armorer or gunsmith. This provides a line officer to whom the pistol is issued sufficient information to perform routine or emergency cleaning and maintenance, but does not go beyond the manufacturer’s recommendations for “field stripping” a weapon.

## Visual Inspection

*Requirements:* The pistol must meet the following visual inspection requirements:

1. In the single action mode (if the pistol has a “single action” mode), the hammer will have sufficient over-travel to ensure achievement of the full cocked position.
2. There will be no loose chips, shavings, or filings in the pistol.
3. The pistol will have no chips, scratches, or burrs. There will be no sharp edges or corners that could cut the shooter’s hand while firing or during manual cycling of the pistol.

*Methodology:* Compliance for each of these requirements is determined by:

1. Manually operating the hammer and visually confirming the presence of sufficient over-travel.
2. Visual inspection of the pistol.
3. Visual inspection of the pistol.

*Commentary:* The three visual inspection parameters either affect the pistol’s appearance or performance, or indicate its quality of workmanship. Sharp edges, chips, or burrs can injure and potentially disable the shooter.

## Dimensional Requirements

*Requirements:* The pistol must meet the following dimensional requirements:

1. The barrel bore dimensions will be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.

2. The headspace will be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.

*Methodology:* Compliance for each of these requirements is determined by:

1. Measuring the barrel bore dimensions and verifying that they are in accordance with SAAMI specifications. Whenever possible, the preferred method is to measure the barrel bore dimensions by making a casting of the inside of the barrel and measuring the bore (land) and groove diameters and the groove width on the casting, which are measured with a set of calipers. For barrels that do not have lands and grooves (see the “commentary” section below), the minimum bore and groove area is calculated. If the minimum bore and groove area is to be evaluated, then these dimensions are substituted into a set of mathematical formulas to calculate that area.
2. Using commercially available headspace gauges (one sized to the appropriate tolerance (“go” gauge) and one that exceeds the appropriate tolerance (“no-go” gauge)), modified to accommodate an unfired primer, insert the “go” gauge into the chamber and slowly release the slide until it comes to rest against the gauge. Fire the pistol, which, if the pistol complies, will detonate the primer. Record the result. Remove the “go” gauge and repeat the test with the “no-go” gauge; to comply, the primer should not fire. Record the result.

*Commentary:* The barrel bore dimensions requirement ensures that the correct barrel has been fitted in the pistol and that safe operating pressures are maintained. The barrel complies with this requirement if either the bore and groove diameters meet SAAMI specifications or the calculated bore area meets SAAMI specifications. SAAMI specifications, approved and published by the American National Standards Institute (ANSI), are recognized throughout the industry as the preferred firearms manufacturing standards. To determine compliance, typically the bore and groove diameters are measured. However, this method is modified somewhat for certain types

of barrels. For example, polygonal bores do not have traditional lands and grooves, while other barrel designs may have rifling of some other shape, such as circular segments, which would make the bore appear to be scalloped edged. In these cases, the minimum bore and groove area specified by SAAMI must be met to ensure that safe chamber pressures are maintained. For any of these nontypical bores, new mathematical formulas are developed based on the unique barrel geometry, measurements are made of the key barrel features, and these values are substituted into the formulas to calculate the bore area.

Headspace is measured and verified to SAAMI specifications, as it is critical to the reliable and safe operation of an autoloading pistol. Excessive headspace can permit a minimum size cartridge to extend so far into the chamber that the firing pin will not reach the cartridge to fire it or to cause case rupture. Inadequate headspace can “jam” the pistol, keeping it from ejecting a spent casing.

### Functional Requirements

*Requirements:* The pistol must meet the following functional requirements:

1. Action. The slide will operate smoothly without binding or sticking when operated by hand or during firing tests.
2. Ejection. The ejection mechanism shall eject cases without a hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8.
3. Trigger.
  - a. The single action trigger pull force will be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested.\*
  - b. The double action trigger pull force will be no more than 80 N (18 lbf) when tested.\*
  - c. For a pistol employing a striker fire mechanism, the trigger pull force will be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.\*

\*N, the metric unit of force, is equal to 0.2248 lbf. For the purpose of this standard, all conversions from Newton to pound-force for required values and measurements have been rounded to the nearest 1/4 lbf.

## Equipment Performance Report: 1999 Autoloading Pistols

4. Hammer. When tested, the hammer will operate smoothly without binding and will not release under an applied load of  $46 \text{ N} \pm 1 \text{ N}$  ( $10 \text{ lbf} \pm 1/4 \text{ lbf}$ ).
5. Safety Features. The pistol will have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, will be designed so that the pistol can be made fire-ready by releasing the safety(s) with the shooting hand. The pistol will not fire when tested with the safety feature(s) engaged.
6. Magazine. The magazine will have a capacity of six rounds, minimum, and will be capable of being released without removing the shooting hand from the pistol.

*Methodology:* Compliance for each of these requirements is determined by:

1. Operating the slide manually and determining if there is any evidence of sticking, binding, grittiness, or hesitation.
2. Firing a full magazine of ammunition and noting any failure(s) to eject, if any of the ejected rounds struck the shooter in the head or torso, and if the slide remains open after the last round has been fired. For rounds that fail to eject properly, the shooter must determine if the cause can be attributed to faulty ammunition, which is usually manifested through numerous failures traced back to a specific lot of ammunition.
3. Measuring the trigger pull force in both single and double action modes by securely mounting the pistol in a vise or other suitable device and placing incrementally increasing weights on the trigger until the firing pin releases.
4. Operating the hammer and applying the required load in the cocked position.
5. Operating the safety features and observing their operation, noting if they performed as intended.
6. Loading a magazine to maximum capacity and inserting it into the pistol and releasing it.

*Commentary:* Each of the Functional Requirements is addressed correspondingly:

1. Action. The slide is a major functioning part of an autoloading pistol. It must operate smoothly, with no binding. The fit of the slide to the pistol can be assessed by operating it slowly by hand. Any hesitation or binding will affect the mechanical operation of the pistol.
2. Ejection. An autoloading pistol uses a single barrel and a single chamber. Failure to eject a fired case prevents the loading of a new, unfired cartridge into the chamber. This renders the pistol inoperable until corrective action is taken. If the "jam" is of a severe nature and corrective action cannot be taken quickly, it may result in fatal consequences for the officer using the pistol. Also, the pistol should be designed so that ejected casings do not strike the shooter in the head or upper torso, as this could potentially disable or distract the shooter.
3. Trigger. If a trigger pull is too "light," or fires the pistol with a minimal effort, it may present a safety hazard. If the trigger pull is too "heavy," or requires excessive effort to fire the pistol, it may be difficult to fire accurately and may indicate malfunctions within the internal firing mechanism. The test parameters of 3 to 8 pounds for single action and not more than 18 pounds for double action were determined through laboratory and field testing, and represent acceptable latitude in design and manufacturing, while maintaining safety and accuracy for most shooters.
4. Hammer. When the internal parts of a pistol's trigger and hammer fit correctly, the hammer will come to single action full cock and stay there until a sufficient force (pull) is applied to the trigger by the shooter. This parameter, generally called "push off," verifies that the single action cocking surfaces mate properly and that the hammer will not release prematurely. Laboratory experiments have shown that 10 pounds was a reasonable load to verify that the full cock hammer notch was properly fitted to the sear.
5. Safety Feature(s). The manufacturers of autoloading pistols include in their design various parts and features that give some degree of safety to their product. The intent of the standard is not to pass judgment on the suitability of a particular safety feature, or to determine which feature(s) are preferable by comparing them to those

features found on other models. The standard requires that a model of autoloading pistol have at least one safety feature incorporated into the pistol, and that the safety feature performs as intended by the manufacturer.

6. Magazine. For law enforcement and corrections duty service, an autoloading pistol should have at least the ammunition capacity of a duty revolver (six rounds). If the officer is to realize the benefit of the rapid reloading potential of a pistol, it must be possible to remove an empty magazine from the pistol without removing the shooting hand from the pistol.

### Model Qualification Firing Requirement

*Requirements:* The pistol will fire 600 rounds of commercial ammunition with no structural or mechanical failures and no more than 5 malfunctions. Of the five allowable malfunctions, no more than three will be firing malfunctions (failure to feed, fire, or eject a round) not attributable to faulty ammunition.

*Methodology:* Compliance is determined by firing a total of 600 rounds of ammunition (200 rounds Full Metal Jacket (FMJ) and 400 rounds Jacketed Hollow Point (JHP)). Before firing, the pistol is examined for defects such as loose screws, cracks, etc. For pistols with both a single and double action mode, the first round of each magazine is fired in double action mode. The first six rounds are fired in 5 seconds. The firing rate for the remainder of the test must be at least one round every 2 seconds and no greater than two rounds per second. Increments of 100 rounds must be fired with no delays except to reload or to determine causes of malfunctions. All misfires and proper pistol ejections and feeds should be noted. After each magazine has been emptied, the release mechanism is checked for easy removal of the magazine. It is also checked for smooth, easy insertion of the reloaded magazine. The slide is checked to ensure that it remains in the open position after the last round in the magazine has been fired. After every 200 rounds, any loose screws are tightened, trigger pull and headspace are measured, and the pistol is cleaned according to the manufacturer's recommendations in the provided user information.

If feed or release problems are experienced during the first 50 rounds, the magazine is replaced with a different one and testing is continued to determine whether the problems were caused by a faulty magazine. If a faulty magazine is suspected, it is noted that the magazine was suspect, identifying it in the report by the number or letter on the bottom of the plate, and testing is continued from the point testing stopped with the new magazine.

Should 3 or more misfires occur during the 600-round test sequence, the primers are examined in the misfired cartridges. If it is obvious that the misfires are the fault of the pistol (e.g., very shallow or no indentation of the primer), the pistol has failed to meet the requirements of the standard. If it is not obvious that the misfires are the fault of the pistol, repeat the entire firing test as stated above, except that the dimensional measurements (headspace, trigger pull) need not be made. If the pistol passes the second 600-round test, it meets the requirements. If 3 or more misfires occur during the second 600 rounds, and again it is not clearly the fault of the pistol, the ammunition manufacturer should be consulted to determine the condition of the misfired ammunition.

*Commentary:* The firing requirement examines the pistol's ability to fire FMJ round nose and JHP blunt nose ammunition, which are the most common types of duty ammunition used. For informational purposes, headspace and trigger pull are measured after every 200 rounds fired to determine if any degradation in functional performance has occurred. The model fails if it has problems feeding, firing, or ejecting rounds that cannot be directly attributed to faulty ammunition, or if the slide does not remain in the open position after the last round has been ejected.

As noted earlier in this document, the standard is not an endurance or service life test that determines how many rounds can be fired before major component failures occur. It is intended to determine if the pistol meets basic workmanship, safety, and functional requirements and is "combat ready," or can be put into law enforcement or corrections duty service with few or no adjustments by a trained armorer or gunsmith. It has been established through previous testing initiatives that most problems become apparent during the first 200 or so rounds fired. The

600-round firing test was established to ensure a sufficient number of rounds are fired to identify all firing problems, if any are present.

### Drop Safety Requirement

*Requirements:* The pistol is dropped from a height of 4 feet onto a 1-inch-thick rubber mat, backed by concrete. The pistol will not fire (cartridge with a live primer, but no bullet) during the drop test. Each pistol is dropped from 7 different positions, with a different part of the pistol hitting the ground on each drop, for a total of 14 drops. Firing on any one of the 14 drops constitutes a failure for this test.

*Methodology:* A magazine is fully loaded with “dummy” ammunition (live primers, no gunpowder or bullet), inserted into the pistol, and a round is chambered. The pistol is suspended in a normal firing position (barrel horizontal and parallel to the floor surface) from a “cradle” made of string, held by a compressed-air controlled vise mounted to a fixture whose height can be adjusted incrementally. The lowermost part of the pistol is raised to a height of 1.22 meters (4 feet) from the surface of the concrete-backed rubber mat. The pistol is dropped by releasing the jaws of the air vise. If the primer detonates when the pistol hits the mat, it is considered a failure. The test is repeated for each of the six remaining positions:

- Upside down, barrel horizontal.
- On grip, barrel vertical.
- On muzzle, barrel vertical.
- On left side, barrel horizontal.
- On right side, barrel horizontal.
- On the rearmost point of that device, if there is an exposed hammer or striker; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.

Firing of the primer on any drop constitutes failure of the test.

*Commentary:* That a pistol may be dropped occasionally is a potential hazard of law enforcement and

corrections service. This could be a result of the pistol being improperly secured in the holster, a physical struggle with a combative suspect or arrestee, or any number of other circumstances. It is a reasonable requirement to expect the pistol not to discharge when dropped, as this poses a safety hazard to the officer and anyone in the officer’s immediate proximity. This test approximates a drop from a typical height encountered when drawing or firing the pistol. A rubber mat is used in consideration of the fact that due to the number of different drop positions that are required to fully determine if there are any “weak points” in the pistol design that may cause inadvertent firing, it may be unrealistic and unreasonable to expect a single pistol to pass seven consecutive drops onto bare concrete. The use of the rubber mat was viewed as the preferable alternative to using 14 different pistols for this test (one for each drop position, each position performed twice), which would have greatly increased the cost of the test.

### Drop Function Requirement

*Requirements:* After completing the drop safety test, the pistol will fire 20 rounds with no more than 3 malfunctions.

*Methodology:* After completing the drops specified in the drop safety test, the pistols are thoroughly examined for any cracks, chips, or other visible damage, which is noted. For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, a fully loaded magazine is inserted, a round is chambered, and the pistol is pointed into a bullet trap or other suitable device. The ammunition is fired until it has been expended. The magazine is released (note any sticking or binding), reloaded, and the test is repeated until 20 rounds have been fired. Any misfires or malfunctions are noted. If there are more than 3 malfunctions, the 20-round firing test is repeated. If there are no more than three malfunctions during the repeated firing test, the pistol meets the requirements of this test.

*Commentary:* It is a reasonable requirement for law enforcement and corrections service to expect a pistol that has been accidentally dropped to still be able to function properly and safely, as an officer’s life

## Minimum Performance Requirements, Methods of Testing, and Commentary

may depend on it. Most autoloading pistols intended for law enforcement service are designed to withstand rough or occasionally improper handling.

This requirement verifies that the pistol has been “ruggedized,” and will still operate correctly and safely after it has been dropped.

## Summary of Test Results

The following narrative provides a summary of the test results for all pistols tested, noting specific areas of failure. The accompanying tables (tables 2 and 3) provide a graphic summary of these results.

- **User Information:** Of the 23 models tested, all complied with the user information requirements.
- **Visual Inspection:** Of the 23 models tested, all complied with the visual inspection requirements.
- **Dimensional Requirements:** Of the 23 models tested, two failed to comply with the dimensional requirements. Further discussions with the manufacturer of one pistol revealed that it was manufactured to military specifications, which differ slightly from the SAAMI specifications. As the NIJ standard clearly stated that the pistols would be evaluated to SAAMI specifications, and participating manufacturers were provided a copy of the standard in advance of the testing, a request to waive this requirement was denied by NIJ. The manufacturer declined to submit a modified version of this pistol for retesting. For the second model that failed, both pistols' barrel bore and groove areas were determined to be smaller than the minimum tolerances specified by SAAMI
- **Functional Tests:** Of the 23 models tested, all complied with the functional test requirements.
- **Firing Tests:** Of the 23 models tested, 18 complied with the requirements of the firing test, and 5 failed to comply. Of the five that failed, all experienced the disqualifying condition between shots #201 and #400. Three of the five that failed were .40 S&W caliber pistols. Three of the pistols experienced magazine-related failures: The magazine locking pin broke on one and was unable to keep a magazine secured in the pistol, and two experienced numerous failures to feed. The other two pistols that failed did so because they did not comply with the headspace tests taken after shot #400. One pistol was unable to fire in double action mode after shot #231 and was unable to complete the test.
- **Drop Safety Tests:** Of the 23 models tested, 21 complied with the requirements of the drop safety test, and 2 did not comply. One was unable to perform the drop test, as the magazine locking pin broke during the firing test, rendering it inoperable. The other pistol fired the live primer on drop #2, when the top surface of the slide impacted the rubber mat.
- **Drop Function Test:** Of the 23 models tested, 21 complied with the requirements of the drop function test, and 2 did not comply. One model was not tested, as it did not perform the drop safety tests due to a mechanical failure. It is interesting to note that the other pistol that did not comply was not the same pistol that failed to comply with the drop safety test. The pistol that failed experienced 5 malfunctions during the 20-round test.

### Compliance

Overall, 17 of the 23 models tested were found to comply with the requirements of the standard. An analysis of the results by manufacturer and by caliber is in table 2. The models are listed in the Autoloading Pistols Consumer Product List.

## Summary of Test Results

Table 2. Summary of Test Results (Pass/Fail) by Manufacturer and Caliber

Manufacturer	Total Pass	Total Fail	9mm Pass	9mm Fail	.357 SIG Pass	.357 SIG Fail	.40 S&W Pass	.40 S&W Fail	.45 ACP Pass	.45 ACP Fail
Colt's Manufacturing Co., Inc.	1	0	N	N	N	N	N	N	1	0
Glock, Inc.	4	0	1	0	1	0	1	0	1	0
Kahr Arms	1	1	1	0	N	N	0	1	N	N
Kimber Manufacturing, Inc.	0	2	N	N	N	N	0	1	0	1
SIG Arms, Inc.	3	1	1	0	1	0	0	1	1	0
Smith & Wesson	3	0	1	0	N	N	1	0	1	0
Sturm, Ruger & Company, Inc.	3	0	1	0	N	N	1	0	1	0
Taurus International Manufacturing, Inc.	2	2	1	0	0	1	1	0	0	1
<b>TOTALS</b>	<b>17</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>2</b>

N = Manufacturer did not provide a model in this caliber for testing.

It is interesting to note that 11 of the 13 (85 percent) 9mm and .45 ACP pistols tested complied with the standard, while only 6 of the 10 (60 percent) .357 SIG and .40 S&W models complied. It is possible that there may be a correlation between the fact that the .357 SIG and .40 S&W caliber models are rela-

tively new to the marketplace, while 9mm and .45 ACP models have a much longer history of use by both law enforcement and the military. It is hoped that further testing will be performed for all calibers, which will assist in identifying any further trends of this type.

# Equipment Performance Report: 1999 Autoloading Pistols

Table 3. Summary of Test Results

Manufacturer/Model	User Information	Visual Inspection	Dimensional Requirements	Functional Tests	Firing Tests	Drop Safety Test	Drop Function Test	Compliance
<b>9mm Luger:</b>								
Glock/17	●	●	●	●	●	●	●	Yes
Kahr/K9	●	●	●	●	●	●	●	Yes
SIG Arms/P229	●	●	●	●	●	●	●	Yes
S&W/5946	●	●	●	●	●	●	●	Yes
Ruger/P95DAO	●	●	●	●	●	●	●	Yes
Taurus/PT92AF	●	●	●	●	●	●	●	Yes
<b>.357 SIG:</b>								
Glock/31	●	●	●	●	●	●	●	Yes
SIG Arms/SP2340	●	●	●	●	●	●	●	Yes
Taurus/PT957	●	●	●	●	○	●	●	No
<b>.40 S&amp;W:</b>								
Glock/22	●	●	●	●	●	●	●	Yes
Kahr/MK40	●	●	○	●	○	○	○	No
Kimber/Stainless Ultra Carry	●	●	●	●	○	●	○	No
SIG Arms/P229	●	●	●	●	○	○	●	No
S&W/SW99	●	●	●	●	●	●	●	Yes
Ruger/P94DC	●	●	●	●	●	●	●	Yes
Taurus/PT940	●	●	●	●	●	●	●	Yes
<b>.45 ACP:</b>								
Colt/Government	●	●	●	●	●	●	●	Yes
Glock/21	●	●	●	●	●	●	●	Yes
Kimber/Ultra Carry	●	●	○	●	●	●	●	No
SIG Arms/P220	●	●	●	●	●	●	●	Yes
S&W/4566	●	●	●	●	●	●	●	Yes
Ruger/P97DC	●	●	●	●	●	●	●	Yes
Taurus/PT945	●	●	●	●	○	●	●	No

**Key:** ● = Complies with requirements of *NIJ Standard-0112.03 (Revision A)*.

○ = Failed to comply with the requirements of *NIJ Standard-0112.03 (Revision A)*.

## Summary of Test Results

### Autoloading Pistols Consumer Product List December 1999

As a result of independent testing, the following models of autoloading pistols were found to be in compliance with *NIJ Standard-0112.03 (Revision A)*.

Manufacturer	Model	Caliber
<b>Colt's Manufacturing Company, Inc.</b> P.O. Box 1868 Hartford, CT 06144-1868 (p) 800-962-2658 (f) 860-244-1449 <a href="http://www.colt.com">http://www.colt.com</a>	Government	.45 ACP
<b>Glock, Inc.</b> P.O. Box 369 Smyrna, GA 30081 (p) 770-432-1202 (f) 770-433-8719 <a href="http://www.glock.com/">http://www.glock.com/</a>	17 21 22 31	9mm Luger .45 ACP .40 S&W .357 SIG
<b>Kahr Arms</b> P.O. Box 220 Blauvelt, NY 10913 (p) 914-353-5996 (f) 914-353-7833 <a href="http://www.kahr.com/front.html">http://www.kahr.com/front.html</a>	K9	9mm Luger
<b>SIG Arms, Inc.</b> Corporate Park Exeter, NH 03833 (p) 603-772-2302 (f) 603-772-9082 <a href="http://www.sigarms.com/">http://www.sigarms.com/</a>	P220 P229 SP2340	.45 ACP 9mm Luger .357 SIG
<b>Smith &amp; Wesson</b> 2100 Roosevelt Avenue Springfield, MA 01104 (p) 800-331-0852 (f) 413-747-3317 <a href="http://www.smith-wesson.com/">http://www.smith-wesson.com/</a>	4566 5946 SW99	.45 ACP 9mm Luger .40 S&W
<b>Sturm, Ruger &amp; Company, Inc.</b> Lacey Place Southport, CT 06490 (p) 520-541-8820 (f) 520-778-6633 <a href="http://www.ruger-firearms.com/">http://www.ruger-firearms.com/</a>	P94DC P95DAO P97DC	.40 S&W 9mm Luger .45 ACP
<b>Taurus International Manufacturing, Inc.</b> 16175 N.W. 49th Avenue Miami, FL 33014 (p) 800-327-3776 (f) 305-623-7506 <a href="http://www.taurususa.com/">http://www.taurususa.com/</a>	PT92AF PT940	9mm Luger .40 S&W

## Glossary

**Barrel groove diameter:** The diameter of the largest inscribed circle that can be placed inside the barrel.

**Barrel land diameter:** The diameter of the largest round rod that will fit into the bore of the barrel.

**Caliber:** The size of the ammunition that a weapon is designed to shoot, as measured by the bullet's approximate diameter in inches in the United States and in millimeters in other countries. In some instances, ammunition is described with additional terms, such as the year of its introduction (.30/06) or the name of the designer (.30 Newton). In some countries, ammunition is also described in terms of the length of the cartridge case (7.62mm X 63mm).

**Double action:** A mode of operation that permits a single pull of the trigger to cock and fire the pistol. (Also see **single action** and **striker fire action**.)

**Firing malfunction:** Failure to feed, fire, or eject a round. This is a subset of a **malfunction**.

**Grip safety:** A passive safety device that requires an applied force on the grip before the pistol can be fired. (Also see **safety**.)

**Hammer spur:** Extension of the hammer used to cock the hammer manually.

**Headspace:** The distance between the closed breech face of the firearm and the surface of the chamber on which the cartridge case seats.

**Headspace gauge:** A device used to facilitate measurement of headspace.

**Magazine safety:** A passive safety device that prevents firing of the pistol unless a magazine is in place.

**Malfunction:** Failure to feed, fire, or eject a round, failure to accept or eject a magazine, or failure of the slide to remain open after the last round has been fired (if the pistol is designed to do so).

**Minimum bore and groove area:** The minimum allowable open or unrestricted area of the barrel bore as specified by SAAMI\*\* Standards.

**Misfire:** Failure to fire a round. (Also see **firing malfunction** and **malfunction**.)

**Model:** The manufacturer's designation, which uniquely identifies a specific design of an autoloading pistol.

**Pistol:** A handgun that does not contain its ammunition in a revolving cylinder. Pistols can be manually operated or autoloading. An autoloading pistol generally contains cartridges in a magazine located in the grip of the pistol. When an autoloading pistol is fired, the spent cartridge that contained the bullet and propellant is ejected, the firing mechanism is cocked, and a new cartridge is chambered. Autoloading pistols can either be semiautomatic (requiring the trigger to be pulled each time in order to fire a round) or fully automatic (capable of firing all available rounds in the magazine with a single pull of the trigger).

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\*\* Sporting Arms and Ammunition Manufacturers Institute, an organization dedicated to establishing and maintaining industry standards for firearms and ammunition.

**Safe action:** Striker fire action. (Also see **striker fire action**.)

**Safety:** A design feature that prevents inadvertent firing of the pistol by either blocking or disconnecting the firing mechanism. A safety can be either active (requiring activation by the user) or passive. A pistol can have single or multiple safeties.

**Single action:** A mode of operation that uses the trigger to fire the pistol only. (Also see **double action**.)

**Striker fire action:** A pistol design that employs an internal striker mechanism to detonate the primer. In operation, the pistol is normally in a partially cocked condition. Pulling the trigger completes cocking the action, and then releases the striker mechanism to fire the pistol.

**Trigger pull:** The force that must be applied to the trigger to fire the pistol.

# Photos and Test Result Forms

# Colt's Manufacturing Company, Inc.



**Model:** Government

**Caliber:** .45 ACP

# Colt's Manufacturing Company, Inc.

**Model:** Government

**Caliber:** .45 ACP

## TECHNICAL SPECIFICATIONS

**Height:** 5.23"

**Length:** 8.61"

**Width:** 1.35"

**Weight:** 2 lbs. 7 oz.

**Safeties - Active:** Grip Safety  
Slide Lock Manual

**Safeties - Passive:** Firing Pin  
Disconnect  
Inertia F.P.

**Magazine Capacity:** 8

**Action Type:** Single

**Finish:** Stainless Steel-Matte

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NII Standard-0112.03 (Revision A)</i> .]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.450"-0.454")	0.451"	0.45"
- Measured Land Diameter. (Acceptable Range: 0.442"-0.446")	0.443"	0.442"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NII Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>		4.25 lbs.	4.36 lbs.
	<b>Double Action/ Striker Fire</b>	N/A	N/A	N/A

\* Lowest reading obtained from three repetitions of the test.

# Colt's Manufacturing Company, Inc.

**Model:** Government

**Caliber:** .45 ACP

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Winchester®	185.0 grain HP	.45 ACP	20PD80	X45ASHP2
200 rounds	Speer®	230.0 grain TMJ	.45 ACP	53967	A10D21

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	4.31 lbs.		4.6 lbs.	
	Double Action/ Striker Fire	N/A	N/A	N/A	N/A
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2 [Round 316: Failure to feed.]	1			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	4.28 lbs.		4.44 lbs.	
	Double Action/ Striker Fire	N/A	N/A	N/A	N/A
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2 [Round 548: Failure to feed.]	1			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	4.37 lbs.		4.48 lbs.	
	Double Action/ Striker Fire	N/A	N/A	N/A	N/A
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	2
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

**Glock, Inc.**



**Model: 17**

**Caliber: 9mm Luger**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.15"	<b>Safeties - Active:</b> Trigger	<b>Magazine Capacity:</b> 17
<b>Length:</b> 8.00"		<b>Action Type:</b> Striker Fire
<b>Width:</b> 1.21"	<b>Safeties - Passive:</b> Firing Pin	<b>Finish:</b> Black Matte
<b>Weight:</b> 1 lb. 6 oz.	Trigger Mechanism	
	Housing	

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	<b>x</b>	
b. Cleaning instructions.	<b>x</b>	
c. Description of all safety features and instructions for user activation/deactivation.	<b>x</b>	
d. Statement regarding ammunition beyond design limits of pistol.	<b>x</b>	
e. Instructions for obtaining a parts list.	<b>x</b>	
f. Statement of compliance (should not be present unless previously tested).	<b>x</b>	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	N/A	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	<b>x</b>	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	<b>x</b>	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	<b>x</b>	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	<b>x</b>	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> .]	<b>Pistol #1</b>	<b>Pistol #2</b>
· Measured Groove Diameter. (Acceptable Range: 0.355"-0.359")	<b>0.355"</b>	<b>0.355"</b>
· Measured Land Diameter. (Acceptable Range: 0.346"-0.350")	<b>0.348"</b>	<b>0.347"</b>

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	<b>x</b>			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	<b>x</b>			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	N/A			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	<b>x</b>			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	<b>x</b>			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action</b>		N/A	
	<b>Double Action/ Striker Fire*</b>	7 lbs.	7.25 lbs.	7.5 lbs.

\* Lowest and highest readings obtained from three repetitions of the test.

# Glock, Inc.

Model: 17

Caliber: 9mm Luger

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Federal®	124 JHP	9mm Luger	2213228189	P9HS3G1
200 rounds	Federal®	115 FMJ	9mm Luger	4547982137	AE9DP

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7.25 lbs.	7.50 lbs.	7.75 lbs.	7.75 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7.25 lbs.	7.50 lbs.	7.25 lbs.	7.50 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7.25 lbs.	7.50 lbs.	7.25 lbs.	7.50 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
Total Number of Malfunctions	0	0
Pass/Fail	Pass	Pass

\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Glock, Inc.



**Model: 21**

**Caliber: .45 ACP**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.22"	<b>Safeties - Active:</b> Trigger	<b>Magazine Capacity:</b> 13
<b>Length:</b> 8.15"		<b>Action Type:</b> Striker Fire
<b>Width:</b> 1.05"	<b>Safeties - Passive:</b> Firing Pin	<b>Finish:</b> Black Matte
<b>Weight:</b> 1 lb. 13 oz.	Trigger Mechanism	
	Housing	

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	<b>x</b>	
b. Cleaning instructions.	<b>x</b>	
c. Description of all safety features and instructions for user activation/deactivation.	<b>x</b>	
d. Statement regarding ammunition beyond design limits of pistol.	<b>x</b>	
e. Instructions for obtaining a parts list.	<b>x</b>	
f. Statement of compliance (should not be present unless previously tested).	<b>x</b>	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	N/A	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	<b>x</b>	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	<b>x</b>	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	<b>x</b>	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	<b>x</b>	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> .]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.450"-0.454")	<b>0.452"</b>	<b>0.452</b>
- Measured Land Diameter. (Acceptable Range: 0.442"-0.446")	<b>0.442"</b>	<b>0.442</b>

## FUNCTION TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	<b>x</b>	
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	<b>x</b>	
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	N/A	
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	<b>x</b>	
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	<b>x</b>	
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>	<b>Pistol #2</b>
	<b>Single Action</b>	<b>N/A</b>
	<b>Double Action/ Striker Fire*</b>	<b>N/A</b>
	7.76 lbs. 8.4 lbs.	7.14 lbs. 7.24 lbs.

\* Lowest and highest readings obtained from three repetitions of the test.

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Speer®	185 grain HP	.45 ACP	L16B22	53964
200 rounds	CCI®	230 grain FMJ	.45 ACP	3571	F17E23

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2 [Round 43: Slide locked back]	1			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7.94 lbs.	8.38 lbs.	7.14 lbs.	7.48 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✘			
	Pistol #2	✘			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7.6 lbs.	7.98 lbs.	7.53 lbs.	7.59 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✘			
	Pistol #2	✘			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7.39 lbs.	7.48 lbs.	7.38 lbs.	7.47 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✘			
	Pistol #2	✘			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	1
<b>Pass/Fail</b>	Pass	Pass

\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Glock, Inc.



**Model: 22**

**Caliber: .40 S&W**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.15"	<b>Safeties - Active:</b> Trigger	<b>Magazine Capacity:</b> 15
<b>Length:</b> 7.65"		<b>Action Type:</b> Striker Fire
<b>Width:</b> 0.92"	<b>Safeties - Passive:</b> Firing Pin Trigger Mechanism Housing	<b>Finish:</b> Black Matte
<b>Weight:</b> 1 lb. 9.6 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	N/A	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> .]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.4005"-0.4045")	0.402"	0.402"
- Measured Land Diameter. (Acceptable Range: 0.390"-0.394")	0.390"	0.391"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	N/A			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action</b>		N/A	
	<b>Double Action/ Striker Fire*</b>	6.95 lbs.	7.28 lbs.	6.62 lbs.

\* Lowest and highest readings obtained from three repetitions of the test.

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Speer®	180 grain GDHP	.40 S&W	53962	G08E25
200 rounds	Federal®	155 grain FMJ	.40 S&W	90149	AE40R2

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	6.54 lbs.	7.08 lbs.	6.62 lbs.	6.99 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	6.65 lbs.	6.76 lbs.	6.6 lbs.	6.81 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	6.98 lbs.	7.15 lbs.	6.97 lbs.	7.32 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Glock, Inc.



**Model: 31**

**Caliber: .357 SIG**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.2"	<b>Safeties - Active:</b> Trigger	<b>Magazine Capacity:</b> 15
<b>Length:</b> 8"		<b>Action Type:</b> Striker Fire
<b>Width:</b> 1.22"	<b>Safeties - Passive:</b> Firing Pin Trigger Mechanism Housing	<b>Finish:</b> Black Matte
<b>Weight:</b> 1 lb. 7 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	<b>x</b>	
b. Cleaning instructions.	<b>x</b>	
c. Description of all safety features and instructions for user activation/deactivation.	<b>x</b>	
d. Statement regarding ammunition beyond design limits of pistol.	<b>x</b>	
e. Instructions for obtaining a parts list.	<b>x</b>	
f. Statement of compliance (should not be present unless previously tested).	<b>x</b>	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	N/A	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	<b>x</b>	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	<b>x</b>	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	<b>x</b>	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	<b>x</b>	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> .]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.355"-0.359")	<b>0.357"</b>	<b>0.357"</b>
- Measured Land Diameter. (Acceptable Range: 0.346"-0.350")	<b>0.347"</b>	<b>0.347"</b>

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	<b>x</b>			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	<b>x</b>			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	N/A			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	<b>x</b>			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	<b>x</b>			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action</b>		N/A	
	<b>Double Action/ Striker Fire*</b>	7 lbs.	7.25 lbs.	7 lbs.

\* Lowest and highest readings obtained from three repetitions of the test.

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Federal®	125 JHP	.357 SIG	180026Z130	P357S1
200 rounds	Federal®	125 TCFMJ	.357 SIG	181588Z124	357S2

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7.25 lbs.	7.5 lbs.	7.5 lbs.	7.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✘			
	Pistol #2	✘			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7.5 lbs.	7.5 lbs.	7.5 lbs.	7.75 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✘			
	Pistol #2	✘			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7 lbs.	7.5 lbs.	7.5 lbs.	7.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✘			
	Pistol #2	✘			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Kahr Arms



**Model:** K9

**Caliber:** 9mm Luger

# Kahr Arms

**Model:** K9

**Caliber:** 9mm Luger

## TECHNICAL SPECIFICATIONS

**Height:** 4.5"

**Safeties - Active:**

**Magazine Capacity:** 7

**Length:** 6.2"

**Action Type:** Striker Fire

**Width:** 1.15"

**Safeties - Passive:** Firing Pin

**Finish:** Stainless Steel

**Weight:** 1 lb. 8 oz.

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	N/A	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
· Minimum Bore and Groove Area. (Acceptable Range: 0.0967"–0.0971")	0.0968"	0.0968"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	N/A			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action</b>		N/A	
	<b>Double Action/ Striker Fire*</b>	7 lbs.	10 lbs.	6.25 lbs.

\* Lowest and highest readings obtained from three repetitions of the test.

# Kahr Arms

Model: K9

Caliber: 9mm Luger

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Speer®	124 GDHP	9mm Luger	D19D23	23618
200 rounds	Winchester®	115 FMJ	9mm Luger	PE62C	Q4172

		Malfunctions			
Fire Shots #1 - #200	Pistol #1	0			
	Pistol #2	0			
Remeasured Trigger Pull: [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	6.5 lbs.	6.5 lbs.	6 lbs.	6 lbs.
Headspace: The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
Fire Shots #201 - #400	Pistol #1	0			
	Pistol #2	0			
Remeasured Trigger Pull: [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	7 lbs.	8.5 lbs.	5.75 lbs.	6 lbs.
Headspace: The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
Fire Shots #401 - #600	Pistol #1	0			
	Pistol #2	0			
Remeasured Trigger Pull: [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	6.5 lbs.	7 lbs.	6 lbs.	7 lbs.
Headspace: The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
Total Number of Malfunctions	0	0
Pass/Fail	Pass	Pass

\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Kahr Arms



**Model: MK40**

**Caliber: .40 S&W**

# Kahr Arms

**Model:** MK40

**Caliber:** .40 S&W

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 3.95"	<b>Safeties - Active:</b>	<b>Magazine Capacity:</b> 6
<b>Length:</b> 5.35"		<b>Action Type:</b> Striker Fire
<b>Width:</b> 0.7"	<b>Safeties - Passive:</b> Firing Pin Disconnect	<b>Finish:</b> Stainless-Matte
<b>Weight:</b> 1 lb. 8.8 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	N/A	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.		x
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
· Minimum Bore and Groove Area. (Acceptable Range: 0.1233"-0.1273")	0.1226	0.1228

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	N/A			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>	<b>Pistol #2</b>		
	<b>Single Action</b>	N/A	N/A	
	<b>Double Action/ Striker Fire*</b>	6.8 lbs. 7.2 lbs.	7.04 lbs. 7.35 lbs.	

\* Lowest and highest readings obtained from three repetitions of the test.

# Kahr Arms

Model: MK40

Caliber: .40 S&W

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Speer®	180 grain GD HP	.40 S&W	E27E23	23962
200 rounds	Federal®	155 grain FMJ	.40 S&W	4203482070	AE40R2

		Malfunctions			
Fire Shots #1 - #200	Pistol #1 [Round 77: Failure to feed.]	1			
	Pistol #2	0			
Remeasured Trigger Pull: [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	6.39 lbs.	6.57 lbs.	6.69 lbs.	7.01 lbs.
Headspace: The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
Fire Shots #201 - #400	Pistol #1	0			
	Pistol #2 [Round 228: Magazine locking pin broken; discontinued.]	2			
Remeasured Trigger Pull: [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	6.35 lbs.	6.40 lbs.	Discontinued	
Headspace: The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2			Discontinued	

		Malfunctions			
Fire Shots #401 - #600	Pistol #1 [Round 502: Failure to feed.]	1			
	Pistol #2	Discontinued			
Remeasured Trigger Pull: [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	6.37 lbs.	6.99 lbs.	Discontinued	
Headspace: The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2			Discontinued	

	Pistol #1	Pistol #2
Total Number of Malfunctions	2	2
Pass/Fail	Pass	Fail

\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	N/A
b. Upside down; barrel horizontal.	Pass	N/A
c. On grip; barrel vertical.	Pass	N/A
d. On muzzle; barrel horizontal.	Pass	N/A
e. On left side; barrel horizontal.	Pass	N/A
f. On right side; barrel horizontal.	Pass	N/A
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	N/A
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	Discontinued
Structural damage.	0	Discontinued

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	x	
Pistol #2	Discontinued	

TEST TYPE	Compliance	Reissue
		x
TEST RESULTS	Pass	Fail
		x

# Kimber Manufacturing, Inc.



**Model:** *Stainless Ultra Carry*

**Caliber:** *.40 S&W*

# Kimber Manufacturing, Inc.

**Model:** Stainless Ultra Carry

**Caliber:** .40 S&W

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.05"	<b>Safeties - Active:</b> Thumb Safety Grip Safety	<b>Magazine Capacity:</b> 7
<b>Length:</b> 6.8"		<b>Action Type:</b> Single
<b>Width:</b> 1.35"	<b>Safeties - Passive:</b> Hammer Safety Stop Firing Pin Safety	<b>Finish:</b> Stainless Steel
<b>Weight:</b> 1 lb. 7 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.4005"-0.4045")	0.403"	0.402"
- Measured Land Diameter. (Acceptable Range: 0.390"-0.394")	0.392"	0.391"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>		4 lbs.	
	<b>Double Action/ Striker Fire</b>		N/A	N/A

\* Lowest reading obtained from three repetitions of the test.

# Kimber Manufacturing, Inc.

Model: *Stainless Ultra Carry*

Caliber: *.40 S&W*

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Speer®	180 GDHP	.40 S&W	23962	E27E23
200 rounds	Federal®	155 FMJ	.40 S&W	427492Z053	AE40R2

Fire Shots #1 - #200	Pistol #1 [SLF=16; PSL=7; FF=1] Pistol #2 [SLF=8; MDF=6; FF=1]	Malfunctions			
		Pistol #1		Pistol #2	
		24			
		15			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	Single Action*	4 lbs.		5 lbs.	
	Double Action/ Striker Fire	N/A	N/A	N/A	N/A
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

Fire Shots #201 - #400	Pistol #1 [Firing test discontinued at shot #284; no functioning magazines; SLF=10; FF=6; MDF=2] Pistol #2 [Firing test discontinued at shot #396; no functioning magazines; SLF=6; FF=5; MDF=4]	Malfunctions			
		Pistol #1		Pistol #2	
		18			
		15			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	Single Action*	4 lbs.		5 lbs.	
	Double Action/ Striker Fire	N/A	N/A	N/A	N/A
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

Fire Shots #401 - #600	Pistol #1 Pistol #2	Malfunctions			
		Pistol #1		Pistol #2	
		Discontinued			
		Discontinued			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	Single Action	**		**	
	Double Action/ Striker Fire	N/A	N/A	N/A	N/A
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1			**	
	Pistol #2			**	

	Pistol #1	Pistol #2
Total Number of Malfunctions	42	30
Pass/Fail	Fail	Fail

SLF=Slide failed to lock back    MDF=Failure to drop magazine    PSL=Premature slide lock    FF=Failure to feed

\* Lowest reading obtained from three repetitions of the test.

\*\* Test not performed due to termination of firing test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1 [SLF=3; MDF=1; FF=1]	5	
Pistol #2 [FF=1]	1	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Kimber Manufacturing, Inc.



**Model:** *Ultra Carry*

**Caliber:** *.45 ACP*

# Kimber Manufacturing, Inc.

**Model:** Ultra Carry

**Caliber:** .45 ACP

## TECHNICAL SPECIFICATIONS

**Height:** 7.72"  
**Length:** 6.53"  
**Width:** 1.12"  
**Weight:** 1 lb. 9.3 oz.

**Safeties - Active:** Thumb Safety  
 Grip Safety  
**Safeties - Passive:** Firing Pin Safety  
 Half Cock  
 Disconnect

**Magazine Capacity:** 6  
**Action Type:** Single  
**Finish:** Black/Silver Matte

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.		x
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NII Standard-0112.03 (Revision A.)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.450"-0.454")	0.451"	0.450"
- Measured Land Diameter. (Acceptable Range: 0.442"-0.446")	0.442"	0.441"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NII Standard-0112.03 (Revision A.)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>		4.82 lbs.	
	<b>Double Action/ Striker Fire</b>		N/A	N/A

\* Lowest reading obtained from three repetitions of the test.

# Kimber Manufacturing, Inc.

Model: **Ultra Carry**

Caliber: **.45 ACP**

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

400 rounds	Winchester®	185 grain HP	.45 ACP	20PD80	X45ASHP2
200 rounds	Winchester®	230 grain FMJ	.45 ACP	PH60	Q4170

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1 [Round 194: Slide locked back.]	1			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	4.58 lbs.		3.15 lbs.	
	Double Action/ Striker Fire	N/A	N/A	N/A	N/A
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	x			
	Pistol #2	x			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	4.16 lbs.		4.06 lbs.	
	Double Action/ Striker Fire	N/A	N/A	N/A	N/A
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	x			
	Pistol #2	x			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	4.89 lbs.		3.8 lbs.	
	Double Action/ Striker Fire	N/A	N/A	N/A	N/A
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	x			
	Pistol #2	x			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	1	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# SIG Arms, Inc.



**Model: P220**

**Caliber: .45 ACP**

# SIG Arms, Inc.

Model: P220

Caliber: .45 ACP

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.2"	<b>Safeties - Active:</b> De-cock/Safety Lever	<b>Magazine Capacity:</b> 7
<b>Length:</b> 7.5"		<b>Action Type:</b> Double
<b>Width:</b> 1.02"	<b>Safeties - Passive:</b> Firing Pin Disconnect	<b>Finish:</b> Black Matte
<b>Weight:</b> 1 lb. 15 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> .]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.450"-0.454")	0.452"	0.452"
- Measured Land Diameter. (Acceptable Range: 0.442"-0.446")	0.443"	0.443"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>	5.35 lbs.	5.07 lbs.	
	<b>Double Action/ Striker Fire**</b>	10.52 lbs.	10.81 lbs.	11.04 lbs. 11.65 lbs.

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

# SIG Arms, Inc.

Model: P220

Caliber: .45 ACP

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Federal®	185 grain JHP	.45 ACP	250232029	C45C
200 rounds	Winchester®	230 grain FMJ	.45 ACP	PH60	Q4170

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	5.42 lbs.		6.14 lbs.	
	Double Action/ Striker Fire**	9.69 lbs.	10.19 lbs.	10.97 lbs.	11.22 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	6.25 lbs.		6.08 lbs.	
	Double Action/ Striker Fire**	11.25 lbs.	11.72 lbs.	12.42 lbs.	12.71 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	6.96 lbs.		6.71 lbs.	
	Double Action/ Striker Fire**	12.45 lbs.	12.64 lbs.	13.32 lbs.	14.51 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

**SIG Arms, Inc.**



**Model: P229**

**Caliber: 9mm Luger**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.25"	<b>Safeties - Active:</b>	<b>Magazine Capacity:</b> 13
<b>Length:</b> 7.05"		<b>Action Type:</b> Double
<b>Width:</b> 1.4"	<b>Safeties - Passive:</b> Disconnecter	<b>Finish:</b> Black Matte
<b>Weight:</b> 1 lb. 13 oz.	Firing Pin Lock	
	Safety Intercept Notch	

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> .]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.355"-0.359")	0.356"	0.357"
- Measured Land Diameter. (Acceptable Range: 0.346"-0.350")	0.349"	0.349"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>		4.75 lbs.	
	<b>Double Action/ Striker Fire**</b>	11.5 lbs.	12 lbs.	12 lbs.

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

# SIG Arms, Inc.

Model: P229

Caliber: 9mm Luger

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Federal®	124 grain JHP	9mm Luger	240032Z160	P9HS1
200 rounds	Winchester®	115 grain FMJ	9mm Luger	PE62C	Q4172

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	4 lbs.		4.5 lbs.	
	Double Action/ Striker Fire**	11 lbs.	11.25 lbs.	11.75 lbs.	12.75 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	4 lbs.		4 lbs.	
	Double Action/ Striker Fire**	11 lbs.	12 lbs.	12.5 lbs.	12.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	3.75 lbs.		4.5 lbs.	
	Double Action/ Striker Fire**	11 lbs.	12 lbs.	11.5 lbs.	12.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# SIG Arms, Inc.



**Model: P229**

**Caliber: .40 S&W**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.08"	<b>Safeties - Active:</b> De-cock/Safety Lever	<b>Magazine Capacity:</b> 12
<b>Length:</b> 6.74"		
<b>Width:</b> 1.13"	<b>Safeties - Passive:</b> Disconnecter Firing Pin Lock	<b>Action Type:</b> Double
<b>Weight:</b> 2 lbs. 0.3 oz.		<b>Finish:</b> Black Matte

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.4005"-0.4045")	0.4005"	0.401"
- Measured Land Diameter. (Acceptable Range: 0.390"-0.394")	0.392"	0.392"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>	4.9 lbs.	4.98 lbs.	
	<b>Double Action/ Striker Fire**</b>	10.76 lbs.	11.49 lbs.	11.37 lbs. 11.82 lbs.

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

# SIG Arms, Inc.

Model: P229

Caliber: .40 S&W

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Winchester®	180 grain SXT	.40 S&W	57AA5102	S40
200 rounds	Speer®	155 grain	.40 S&W	A07D23	53957

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	4.97 lbs.		4.96 lbs.	
	Double Action/ Striker Fire**	11.71 lbs.	11.14 lbs.	11.93 lbs.	12.3 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	x			
	Pistol #2 [Fired on no-go gauge during headspace check.]			x	

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1 [Round 48: Failure to extract round.]	1			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.26 lbs.		4.96 lbs.	
	Double Action/ Striker Fire**	12.44 lbs.	13.06 lbs.	13.26 lbs.	13.38 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	x			
	Pistol #2 [Fired on no-go gauge during headspace check.]			x	

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.53 lbs.		5.54 lbs.	
	Double Action/ Striker Fire**	13.31 lbs.	13.8 lbs.	13.24 lbs.	13.94 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	x			
	Pistol #2	x			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	1	0
<b>Pass/Fail</b>	Pass	Fail

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Fail
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# SIG Arms, Inc.



**Model: SP2340**

**Caliber: .357 SIG**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.25"	<b>Safeties - Active:</b>	<b>Magazine Capacity:</b> 12
<b>Length:</b> 7.3"		
<b>Width:</b> 1.36"	<b>Safeties - Passive:</b> Hammer Safety Notch	<b>Action Type:</b> Double
<b>Weight:</b> 1 lb. 11 oz.	Firing Pin Safety	<b>Finish:</b> Black Matte

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> .]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.355"-0.359")	0.357"	0.357"
- Measured Land Diameter. (Acceptable Range: 0.346"-0.350")	0.350"	0.350"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>	5.25 lbs.	5.25 lbs.	
	<b>Double Action/ Striker Fire**</b>	9.5 lbs.	9.75 lbs.	8.75 lbs. 9 lbs.

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

# SIG Arms, Inc.

Model: SP2340

Caliber: .357 SIG

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Speer®	125 GDHP	.357 SIG	J24E24	23918
200 rounds	Remington®-UMC	125 FMJ	.357 SIG	RA2811	L357S1

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	6.25 lbs.		5.5 lbs.	
	Double Action/ Striker Fire**	9.75 lbs.	10 lbs.	10 lbs.	10.25 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	5.5 lbs.		6 lbs.	
	Double Action/ Striker Fire**	9.5 lbs.	9.75 lbs.	9.75 lbs.	10 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	5.5 lbs.		6.25 lbs.	
	Double Action/ Striker Fire**	9.5 lbs.	9.5 lbs.	10 lbs.	10 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Smith & Wesson



**Model:** 4566

**Caliber:** .45 ACP

# Smith & Wesson

**Model:** 4566

**Caliber:** .45 ACP

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.7"	<b>Safeties - Active:</b>	<b>Magazine Capacity:</b> 8
<b>Length:</b> 7.9"		<b>Action Type:</b> Double
<b>Width:</b> 1.4"	<b>Safeties - Passive:</b> Firing Pin Safety Magazine Disconnect	<b>Finish:</b> Stainless Steel
<b>Weight:</b> 2 lbs. 3 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> .]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.450"-0.454")	0.453"	0.453"
- Measured Land Diameter. (Acceptable Range: 0.442"-0.446")	0.446"	0.446"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.				
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>		<b>6 lbs.</b>	
	6 lbs.	6.25 lbs.		
	<b>Double Action/ Striker Fire**</b>	10.25 lbs.	10.25 lbs.	11 lbs. 11 lbs.

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

# Smith & Wesson

Model: 4566

Caliber: .45 ACP

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Winchester®	185 grain JHP	.45 ACP	1NF325877	X45ASHP
200 rounds	Winchester®	230 grain FMJ	.45 ACP	PE70	Q4170

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.5 lbs.		6.25 lbs.	
	Double Action/ Striker Fire**	10 lbs.	10.25 lbs.	10.5 lbs.	10.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.25 lbs.		6.5 lbs.	
	Double Action/ Striker Fire**	10 lbs.	10.25 lbs.	10.5 lbs.	10.75 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.5 lbs.		6.25 lbs.	
	Double Action/ Striker Fire**	10.25 lbs.	10.25 lbs.	10.75 lbs.	11 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Smith & Wesson



**Model:** 5946

**Caliber:** 9mm Luger

# Smith & Wesson

Model: 5946

Caliber: 9mm Luger

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.21"	<b>Safeties - Active:</b>	<b>Magazine Capacity:</b> 15
<b>Length:</b> 7.22"		<b>Action Type:</b> Double Only
<b>Width:</b> 1.1"	<b>Safeties - Passive:</b> Firing Pin	<b>Finish:</b> Stainless Steel-Matte
<b>Weight:</b> 2 lbs. 5 oz.	Disconnect Magazine	

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.355"-0.359")	0.357"	0.355"
- Measured Land Diameter. (Acceptable Range: 0.346"-0.350")	0.346"	0.346"

## FUNCTION TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x	
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x	
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x	
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x	
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x	
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>	<b>Pistol #2</b>
	N/A	N/A
	Single Action	N/A
	Double Action/ Striker Fire*	10.62 lbs. 11.28 lbs. 10.41 lbs. 10.59 lbs.

\* Lowest and highest readings obtained from three repetitions of the test.

# Smith & Wesson

Model: 5946

Caliber: 9mm Luger

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Federal®	124 grain Hydra Shok	9mm Luger	2447762086	P9HS1
200 rounds	Winchester®	115 grain FMJ	9mm Luger	PE62C	Q4172

		Malfunctions			
Fire Shots #1 - #200	Pistol #1	0			
	Pistol #2	0			
Remeasured Trigger Pull: [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	10.89 lbs.	11.48 lbs.	10.66 lbs.	11.04 lbs.
Headspace: The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
Fire Shots #201 - #400	Pistol #1	0			
	Pistol #2	0			
Remeasured Trigger Pull: [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	10.25 lbs.	11.26 lbs.	9.97 lbs.	10.49 lbs.
Headspace: The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
Fire Shots #401 - #600	Pistol #1	0			
	Pistol #2	0			
Remeasured Trigger Pull: [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	10.58 lbs.	11.16 lbs.	10.06 lbs.	10.26 lbs.
Headspace: The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
Total Number of Malfunctions	0	0
Pass/Fail	Pass	Pass

\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Smith & Wesson



**Model:** SW99

**Caliber:** .40 S&W

# Smith & Wesson

Model: SW99

Caliber: .40 S&W

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.2"	<b>Safeties - Active:</b> Trigger	<b>Magazine Capacity:</b> 12
<b>Length:</b> 7.3"		
<b>Width:</b> 1.25"	<b>Safeties - Passive:</b> Firing Pin Safety	<b>Action Type:</b> Striker Fire
<b>Weight:</b> 1 lb. 7 oz.		<b>Finish:</b> Blue

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	N/A	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
· Minimum Bore and Groove Area. (Acceptable Range: 0.1233"-0.1273")	0.1258"	0.1258"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	N/A			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>	5.5 lbs.	5.25 lbs.	
	<b>Double Action/Striker Fire**</b>	9.5 lbs.	9.75 lbs.	9.25 lbs. 9.75 lbs.

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

# Smith & Wesson

Model: SW99

Caliber: .40 S&W

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Federal®	180 grain JHP	.40 S&W	421772H320	P40HSI
200 rounds	Federal®	155 grain FMJ	.40 S&W	420348Z059	AE40R2

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.5 lbs.		5.5 lbs.	
	Double Action/ Striker Fire**	9.75 lbs.	10 lbs.	9.5 lbs.	9.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✘			
	Pistol #2	✘			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.5 lbs.		5.5 lbs.	
	Double Action/ Striker Fire**	9.5 lbs.	10 lbs.	9.25 lbs.	9.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✘			
	Pistol #2	✘			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.25 lbs.		5.5 lbs.	
	Double Action/ Striker Fire**	9.5 lbs.	9.75 lbs.	9.25 lbs.	9.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✘			
	Pistol #2	✘			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# **Sturm, Ruger & Company, Inc.**



**Model: P94DC**

**Caliber: .40 S&W**

# Sturm, Ruger & Company, Inc.

Model: P94DC

Caliber: .40 S&W

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.47"	<b>Safeties - Active:</b> De-cock	<b>Magazine Capacity:</b> 10
<b>Length:</b> 7.25"		<b>Action Type:</b> Double
<b>Width:</b> 1.3"	<b>Safeties - Passive:</b> Firing Pin Disconnect	<b>Finish:</b> Stainless Steel-Matte/Gray-Matte
<b>Weight:</b> 2 lbs. 0.8 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.4005"-0.4045")	0.401"	0.401"
- Measured Land Diameter. (Acceptable Range: 0.390"-0.394")	0.391"	0.390"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.				
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>		<b>4.72 lbs.</b>	
	4.72 lbs.	10.1 lbs.	10.36 lbs.	10.2 lbs.
	<b>Double Action/ Striker Fire**</b>			

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

# Sturm, Ruger & Company, Inc.

Model: P94DC

Caliber: .40 S&W

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Remington®	180 grain JHP	.40 S&W	J260A7917	R40SW2
200 rounds	Federal®	155 grain FMJ	.40 S&W	4203482157	AE40R2

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	4.81 lbs.		4.53 lbs.	
	Double Action/ Striker Fire**	10.2 lbs.	10.45 lbs.	9.72 lbs.	9.92 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.05 lbs.		5.41 lbs.	
	Double Action/ Striker Fire**	10.22 lbs.	10.59 lbs.	9.8 lbs.	10.19 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1 [Round 569: Failure to feed.]	1			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.11 lbs.		4.9 lbs.	
	Double Action/ Striker Fire**	10.34 lbs.	10.37 lbs.	9.43 lbs.	9.65 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	1	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	<i>Malfunctions</i>	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		<b>X</b>
TEST RESULTS	Pass	Fail
		<b>X</b>

# **Sturm, Ruger & Company, Inc.**



**Model: P95DAO**

**Caliber: 9mm Luger**

# Sturm, Ruger & Company, Inc.

Model: P95DAO

Caliber: 9mm Luger

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.45"	<b>Safeties - Active:</b>	<b>Magazine Capacity:</b> 10
<b>Length:</b> 7.25"		
<b>Width:</b> 1.47"	<b>Safeties - Passive:</b> Firing Pin Disconnect	<b>Action Type:</b> Double Only
<b>Weight:</b> 1 lb. 11 oz.		<b>Finish:</b> Stainless Steel

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	N/A	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
· Measured Groove Diameter. (Acceptable Range: 0.355"-0.359")	0.357"	0.357"
· Measured Land Diameter. (Acceptable Range: 0.346"-0.350")	0.348"	0.348"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	N/A			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action</b>		N/A	
	<b>Double Action/ Striker Fire*</b>	9.5 lbs.	9.5 lbs.	9.5 lbs.

\* Lowest and highest readings obtained from three repetitions of the test.

# Sturm, Ruger & Company, Inc.

Model: P95DAO

Caliber: 9mm Luger

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Remington®	124 grain JHP	9mm Luger	J03NC01	R9MM10
200 rounds	Remington®	115 grain FMJ	9mm Luger	J07YB01	R9MM3

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	9.5 lbs.	9.5 lbs.	9 lbs.	9.25 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	9 lbs.	9 lbs.	9.25 lbs.	9.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action	N/A		N/A	
	Double Action/ Striker Fire*	8.75 lbs.	9 lbs.	9 lbs.	9.25 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# **Sturm, Ruger & Company, Inc.**



**Model: P97DC**

**Caliber: .45 ACP**

# Sturm, Ruger & Company, Inc.

Model: P97DC

Caliber: .45 ACP

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.47"	<b>Safeties - Active:</b> De-cock	<b>Magazine Capacity:</b> 8
<b>Length:</b> 7.25"		<b>Action Type:</b> Double
<b>Width:</b> 1.1"	<b>Safeties - Passive:</b> Firing Pin Disconnect	<b>Finish:</b> Stainless Steel-Matte/Thermoplastic-Black
<b>Weight:</b> 1 lbs. 15 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.450-0.454)	0.450	0.450
- Measured Land Diameter. (Acceptable Range: 0.442-0.446)	0.442	0.442

## FUNCTION TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x	
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x	
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x	
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x	
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x	
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>	<b>Pistol #2</b>
	<b>Single Action*</b>	<b>4.18 lbs.</b>
	<b>Double Action/ Striker Fire**</b>	<b>10.79 lbs. 11.14 lbs. 10.94 lbs. 11.53 lbs.</b>

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

# Sturm, Ruger & Company, Inc.

Model: P97DC

Caliber: .45 ACP

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Federal®	185 grain JHP	.45 ACP	2515882028	C45C
200 rounds	Remington®	230 grain MC	.45 ACP	H07BB0903	R45P4

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	4.09 lbs.		4.57 lbs.	
	Double Action/ Striker Fire**	10.37 lbs.	10.54 lbs.	10.73 lbs.	11.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	4.18 lbs.		4.57 lbs.	
	Double Action/ Striker Fire**	10.86 lbs.	11.05 lbs.	10.53 lbs.	11.95 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	4.18 lbs.		4.57 lbs.	
	Double Action/ Striker Fire**	10.86 lbs.	11.05 lbs.	10.53 lbs.	11.95 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## DROP SAFETY TEST

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

## DROP FUNCTION FIRING TEST

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Taurus International Manufacturing, Inc.



**Model:** PT92AF

**Caliber:** 9mm Luger

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.36"	<b>Safeties - Active:</b> Trigger De-cock	<b>Magazine Capacity:</b> 15
<b>Length:</b> 8.56"		<b>Action Type:</b> Double
<b>Width:</b> 1.64"	<b>Safeties - Passive:</b> Firing Pin Half Cock Drop Safety	<b>Finish:</b> Stainless Steel
<b>Weight:</b> 2 lbs. 1.3 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.355"-0.359")	0.357"	0.357"
- Measured Land Diameter. (Acceptable Range: 0.346"-0.350")	0.348"	0.348"

## FUNCTION TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x	
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x	
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x	
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x	
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x	
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>	<b>Pistol #2</b>
	<b>Single Action*</b>	<b>5.33 lbs.</b>
	<b>Double Action/ Striker Fire**</b>	<b>11.2 lbs. 11.67 lbs. 10.39 lbs. 11.14 lbs.</b>

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Speer®	124 grain GDHP	9mm Luger	D23D22	23618
200 rounds	Winchester®	115 grain FMJ	9mm Luger	PD31	Q4172

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.68 lbs.		5.13 lbs.	
	Double Action/ Striker Fire**	10.37 lbs.	10.93 lbs.	10.13 lbs.	10.3 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2 [Rounds 376 and 389: Slide did not fully close.]	2			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.76 lbs.		5.6 lbs.	
	Double Action/ Striker Fire**	11.13 lbs.	11.88 lbs.	10.45 lbs.	11 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.31 lbs.		5.23 lbs.	
	Double Action/ Striker Fire**	10.42 lbs.	11.03 lbs.	11.02 lbs.	12.4 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	2
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

**DROP SAFETY TEST**

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

**DROP FUNCTION FIRING TEST**

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Taurus International Manufacturing, Inc.



**Model: PT940**

**Caliber: .40 S&W**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 4.8"	<b>Safeties - Active:</b> Frame-mounted Manual	<b>Magazine Capacity:</b> 10
<b>Length:</b> 7.1"		<b>Action Type:</b> Double
<b>Width:</b> 1.6"	<b>Safeties - Passive:</b> Firing Pin	<b>Finish:</b> Blue
<b>Weight:</b> 1 lb. 10 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NII Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.4005"-0.4045")	0.404"	0.404"
- Measured Land Diameter. (Acceptable Range: 0.390"-0.394")	0.394"	0.394"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NII Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>	5.75 lbs.	6 lbs.	
	<b>Double Action/ Striker Fire**</b>	10.25 lbs.   11 lbs.	9.5 lbs.	10.25 lbs.

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Winchester®	180 grain SXT	.40 S&W	17PA5104	S40
200 rounds	Federal®	155 grain FMJ	.40 S&W	427492Z053	AC40R2

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	6.5 lbs.		5.75 lbs.	
	Double Action/ Striker Fire**	10.5 lbs.	11 lbs.	9.5 lbs.	10 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✘			
	Pistol #2	✘			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	6.5 lbs.		5.5 lbs.	
	Double Action/ Striker Fire**	10 lbs.	11 lbs.	10.25 lbs.	11 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✘			
	Pistol #2	✘			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	6.75 lbs.		6 lbs.	
	Double Action/ Striker Fire**	10.25 lbs.	11 lbs.	10.25 lbs.	10.5 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1	✘			
	Pistol #2	✘			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	0	0
<b>Pass/Fail</b>	Pass	Pass

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

**DROP SAFETY TEST**

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

**DROP FUNCTION FIRING TEST**

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

**Taurus International Manufacturing, Inc.**



**Model: PT945**

**Caliber: .45 ACP**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.25"	<b>Safeties - Active:</b> Frame-mounted Manual	<b>Magazine Capacity:</b> 8
<b>Length:</b> 7.72"		<b>Action Type:</b> Double
<b>Width:</b> 1.4"	<b>Safeties - Passive:</b> Firing Pin	<b>Finish:</b> Stainless Steel
<b>Weight:</b> 1 lb. 10 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NIJ Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Minimum Bore and Groove Area. (Acceptable Range: 0.1570"-0.1610")	0.160"	0.160"

## FUNCTION TESTS

	<b>Compliance</b>		<b>Noncompliance</b>	
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x			
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NIJ Standard-0112.03 (Revision A)</i> .	x			
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x			
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x			
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x			
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>		<b>Pistol #2</b>	
	<b>Single Action*</b>	5.25 lbs.	5.25 lbs.	
	<b>Double Action/ Striker Fire**</b>	11 lbs.	11.5 lbs.	11.5 lbs. 12 lbs.

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Winchester®	185 grain HP	.45 ACP	04PD31	X45ASHP2
200 rounds	Winchester®	230 grain FMJ	.45 ACP	PG82	Q4170

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1 [Rounds 135, 171, and 196: Failure to feed. Round 199: Failure to extract.]	4			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	5 lbs.		5.50 lbs.	
	Double Action/Striker Fire**	11 lbs.	11 lbs.	11.5 lbs.	12 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1 [Rounds 250, 274, 299, 301, 322, 396, 381, and 387: Failure to extract.]	8			
	Pistol #2 [Rounds 254 and 282: Failure to extract.]	2			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	4.75 lbs.		5.75 lbs.	
	Double Action/Striker Fire**	10.5 lbs.	10.5 lbs.	11.75 lbs.	12.25 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1 [All failures were failures to extract.]	31			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		Pistol #1		Pistol #2	
	Single Action*	4.75 lbs.		5.25 lbs.	
	Double Action/Striker Fire**	11 lbs.	11 lbs.	12 lbs.	12 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		Compliance		Noncompliance	
	Pistol #1	✗			
	Pistol #2	✗			

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	43	2
<b>Pass/Fail</b>	Fail	Fail

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

**DROP SAFETY TEST**

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

**DROP FUNCTION FIRING TEST**

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1 [Rounds 7, 10, and 18: Failure to extract.]	3	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X

# Taurus International Manufacturing, Inc.



**Model: PT957**

**Caliber: .357 SIG**

## TECHNICAL SPECIFICATIONS

<b>Height:</b> 5.18"	<b>Safeties - Active:</b> Trigger De-cock	<b>Magazine Capacity:</b> 10
<b>Length:</b> 7.08"		<b>Action Type:</b> Double
<b>Width:</b> 1.62"	<b>Safeties - Passive:</b> Firing Pin Half Cock Drop Safety	<b>Finish:</b> Stainless Steel
<b>Weight:</b> 1 lb. 12.5 oz.		

## USER INFORMATION

<b>User Information in Accordance With Section 4.2</b>	<b>Compliance</b>	<b>Noncompliance</b>
a. Instructions for field disassembly/assembly and diagram(s) identifying all parts.	x	
b. Cleaning instructions.	x	
c. Description of all safety features and instructions for user activation/deactivation.	x	
d. Statement regarding ammunition beyond design limits of pistol.	x	
e. Instructions for obtaining a parts list.	x	
f. Statement of compliance (should not be present unless previously tested).	x	

## VISUAL INSPECTION

<b>Visual Inspection in Accordance With Section 5.3</b>	<b>Compliance</b>	<b>Noncompliance</b>
<b>Hammer Travel:</b> In the single action mode, if present, the hammer shall have sufficient over-travel to assure achievement of the full cocked position.	x	
<b>Particles:</b> There shall be no loose chips, shavings, or filings in the pistol.	x	
<b>Surface:</b> The pistol shall have no chips, scratches, or burrs.	x	

## DIMENSIONAL TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Barrel Bore Dimensions:</b> The barrel bore diameter shall be in accordance with Sporting Arms and Ammunition Manufacturers Institute (SAAMI) Standards for the caliber for which the pistol is chambered.	x	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.	x	
<b>Barrel Bore Dimensions</b> [Note: Dimensions shall be determined by either Section 5.4.1.1 or Section 5.4.1.2 of <i>NII Standard-0112.03 (Revision A)</i> ]	<b>Pistol #1</b>	<b>Pistol #2</b>
- Measured Groove Diameter. (Acceptable Range: 0.355"-0.359")	0.357"	0.357"
- Measured Land Diameter. (Acceptable Range: 0.346"-0.350")	0.348"	0.348"

## FUNCTION TESTS

	<b>Compliance</b>	<b>Noncompliance</b>
<b>Action:</b> The slide shall operate smoothly without binding or sticking when operated by hand or during firing tests.	x	
<b>Ejection:</b> The ejection mechanism shall eject cases without hangup and without hitting the shooter during the ejection test or the firing tests, except as provided in Sections 4.6 and 4.8. of <i>NII Standard-0112.03 (Revision A)</i> .	x	
<b>Hammer:</b> When tested, the hammer shall operate smoothly without binding and shall not release under an applied load of 46 N ± 1 N (10 lbf ± 1/4 lbf).	x	
<b>Safety Features:</b> The pistol shall have one or more design features to prevent inadvertent firing. Active (user activated) safety devices, if provided, shall be designed so that the pistol can be made fire-ready by releasing the safety device(s) with the shooting hand. The pistol shall not fire when tested with the safety feature(s) engaged.	x	
<b>Magazine:</b> The magazine shall have a capacity of six rounds, minimum, and shall be capable of being released without removing the shooting hand from the pistol.	x	
<b>Measured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.	<b>Pistol #1</b>	<b>Pistol #2</b>
	<b>Single Action*</b>	<b>4.89 lbs.</b>
	<b>Double Action/ Striker Fire**</b>	<b>9.88 lbs. 10.19 lbs. 9.57 lbs. 9.71 lbs.</b>

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

## FIRING TEST

**Model Qualification Firing Test:** When tested in accordance with Section 5.6.1, the pistol shall fire 600 rounds of ammunition with no structural or mechanical failures and no more than five malfunctions. Of the five allowable malfunctions, no more than three shall be firing malfunctions not attributable to faulty ammunition.

Ammunition	Manufacturer	Bullet Configuration	Caliber	Lot Number	Catalog Number
400 rounds	Remington®	125 grain JHP	.357 SIG	K02EC1411	R35751
200 rounds	Federal®	125 grain FMJ	.357 SIG	1083762032	C35752

		Malfunctions			
<b>Fire Shots #1 - #200</b>	Pistol #1 [Rounds 37 and 75: Failure to feed.]	2			
	Pistol #2	0			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	5.46 lbs.		5.94 lbs.	
	Double Action/Striker Fire**	9.3 lbs.	10.22 lbs.	10.82 lbs.	11.55 lbs.
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1 [Fired on no-go gauge during headspace check.]			X	
	Pistol #2	X			

		Malfunctions			
<b>Fire Shots #201 - #400</b>	Pistol #1	0			
	Pistol #2 [Round 231: Unable to fire double action.]	Discontinued			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	6.02 lbs.		Discontinued	
	Double Action/Striker Fire**	11.12 lbs.	10.28 lbs.	Discontinued	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1 [Fired on no-go gauge during headspace check.]			X	
	Pistol #2			Discontinued	

		Malfunctions			
<b>Fire Shots #401 - #600</b>	Pistol #1	0			
	Pistol #2	Discontinued			
<b>Remeasured Trigger Pull:</b> [1.] The single action trigger pull force shall be not less than 13 N (3 lbf) nor more than 36 N (8 lbf) when tested. [2.] The double action trigger pull force shall be no more than 80 N (18 lbf) when tested. [3.] For a pistol employing a striker fire mechanism, the trigger pull force shall be not less than 22 N (5 lbf) nor more than 67 N (15 lbf) when tested.		<b>Pistol #1</b>		<b>Pistol #2</b>	
	Single Action*	6 lbs.		Discontinued	
	Double Action/Striker Fire**	10.36 lbs.	10.96 lbs.	Discontinued	
<b>Headspace:</b> The headspace shall be in accordance with SAAMI Standards for the caliber for which the pistol is chambered.		<b>Compliance</b>		<b>Noncompliance</b>	
	Pistol #1 [Fired on no-go gauge during headspace check.]			X	
	Pistol #2			Discontinued	

	Pistol #1	Pistol #2
<b>Total Number of Malfunctions</b>	2	0
<b>Pass/Fail</b>	Fail	Fail

\* Lowest reading obtained from three repetitions of the test.

\*\* Lowest and highest readings obtained from three repetitions of the test.

**DROP SAFETY TEST**

The pistol shall not fire (cartridge with a live primer, but no bullet) during the drop test described in Section 5.7. The following seven drops are required for each of the pistols constituting the sample.	Pass/Fail	
	Pistol #1	Pistol #2
a. Normal firing position; barrel horizontal.	Pass	Pass
b. Upside down; barrel horizontal.	Pass	Pass
c. On grip; barrel vertical.	Pass	Pass
d. On muzzle; barrel horizontal.	Pass	Pass
e. On left side; barrel horizontal.	Pass	Pass
f. On right side; barrel horizontal.	Pass	Pass
g. If there is an exposed hammer or striker, on the rearmost point of that device; otherwise, on the rearmost point of the pistol. Alternately, a weight equivalent to that of the pistol may be dropped onto the rearmost point.	Pass	Pass
<b>After completing the drops specified in the drop safety test, examine the pistols for damage and note any cracks, chips, or other visible damage.</b>		
Cracks, chips, or other visible damage.	0	0
Structural damage.	0	0

**DROP FUNCTION FIRING TEST**

For those pistols that passed the drop safety test without structural damage or damage that will affect the safe and proper functioning of the pistol, insert a fully loaded magazine, chamber a round, and point the pistol into a bullet trap or other suitable device. Fire until the ammunition has been expended. Release the magazine (note any sticking or binding), reload, and repeat until 20 rounds have been fired. Note any misfires or malfunctions. If there are more than three malfunctions, repeat the 20-round firing test. If there are no more than three malfunctions during the repeat firing test, the pistol meets the requirements of this test.	Malfunctions	
Pistol #1	0	
Pistol #2	0	

TEST TYPE	Compliance	Reissue
		X
TEST RESULTS	Pass	Fail
		X