

# **TOOLS UNLIMITED**

***PRESENTS***

***A PREMIUM HAND TOOL LINE***

***EQUIVELANT TO***

***PROTO SK ARMSTRONG***

***But WITHOUT THE HIGH PRICE***

# **URREA**

**PROFESSIONAL TOOLS**



MASTER SETS

1



ORGANIZATION AND STORAGE

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HAND SOCKETS AND ACCESSORIES

3



IMPACT SOCKETS AND ACCESSORIES

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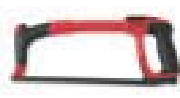
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**URREA PRODUCT CODES** in most cases consist of two parts with three, four, or five digits for easy identification.

Some of our codes have letters in the **THIRD SECTION** that provide additional information about the product. Here are some of the most common:

**THE FIRST PART OF THE CODE** refers to the type of product by designating a range or series (usually the first two digits of the code).

- 11xx = 15-degree box-end wrenches.
- 12xx = Combination wrenches
- 30xx = Open-end wrenches
- 47xx = 1/4" sockets and accessories
- 54xx = 1/2" sockets and accessories ... ETC.

- ...H... Hexagonal (6-point)
- ...T... Standard
- ...L... Deep
- ...FV... Fiberglass
- ...B... Black
- ...GHL... High power
- ...GR... Spring-loaded
- ...M... Metric size
- ...SW... Impact

**THE SECOND PART OF THE CODE** consists of the final digits, which describe the dimensional characteristics of the product, such as opening size, weight, etc..

For wrenches and sockets, the **SECOND PART OF THE CODE** consists of two digits indicating the open or box end size, usually expressed in 32nds of an inch (1/32") (for standard sizes) or in millimeters (for metric sizes), for example:

**Figure XX18:**

- XX indicates the product family
- 18 indicates the tool's size in 32nds of an inch, resulting from  $18/32 = 9/16$ , so its size is 9/16"

**Figure XX10M:**

- Tool with 10-mm open or box end

**Examples:**

**5424H:**

- 54 = Socket with 1/2" square drive
- 24 = Socket size in 32nds of an inch, resulting from  $24/32 = 12/16 = 6/8 = 3/4$ "
- H = Hexagonal opening (6-point)
- Therefore: 1/2" x 3/4" hexagonal socket

**1222M:**

- 12 = Combination wrench
- 22 = Wrench size in millimeters (22 mm)
- M = Metric size
- Therefore: 22-mm combination wrench

**1218:**

- 12 = Combination wrench
- 18 = Wrench size in 32nds of an inch, resulting from  $18/32 = 9/16$ "
- Therefore: 9/16" combination wrench

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**quality starts with U**

URREA tools are designed and manufactured to meet or exceed the most demanding industry standards, such as the SAE, (Society of Automotive Engineers), ASME/ANSI (American Society of Mechanical Engineers/American National Standards Institute), ISO (International Standardization Organization), GSA USA Federal (General Services Administration USA Federal Government), and NOM (Norma Oficial Mexicana - Official Mexican Standard).

Visit our website: [www.urrea.com](http://www.urrea.com)

The URREA GROUP consists of successful companies dedicated to manufacturing and marketing metal products for industry and construction in Mexico. It is headquartered in the city of Guadalajara.



It was created in 1907 as a small foundry, and Raúl Urrea's drive made it into what is known today as URREA GROUP. The group currently consists of three divisions: Faucets and Valves, Tools, and Logistics. Both the Faucets and Valves and Tools divisions are leaders in their respective market segments, which they supply with recognized product names.



1986



1988



CURRENT LOGO



1985 TOOL CATALOG



2001 TOOL CATALOG

URREA GROUP's Tools Division was started in 1963, when Raúl Urrea began to work with a prestigious leader in the United States hand tools market to establish a tool factory in Mexico. Initial production consisted of punches and chisels, followed by sockets and flat wrenches. The partnership lasted about 20 years, and during that time URREA developed its forging technology, a mastery of the tool manufacturing process, and a prestigious reputation.

Under the leadership of Alfonso Urrea Carroll, URREA solidified its position as the tool LEADER in the automotive industry and servicing in Mexico. This allowed it to start exploring markets in the United States and in Central and South America. First it established a sales and distribution center in southern California, which later relocated to the city of San Antonio, Texas. In South America it has become the preferred supplier to customers in the oil-producing areas of Venezuela, Colombia, Ecuador, and Argentina.

URREA GROUP's Tools Division has a modern plant and a functional distribution center, with more than 70,000 m2 of space, located in El Salto, Jalisco (near Guadalajara's metropolitan area). About 1000 people work in these facilities, using state-of-the-art technology and equipment to transform the finest U.S.-made alloy steel into the best tools. The plant's design, manufacturing, and marketing processes have been ISO 9001 certified since 1998. In addition to the main factory, the Tools Division owns two subsidiary companies in joint ventures with internationally known manufacturers, one

American and one German, where important products in the URREA tools line are produced. These plants are also located in Guadalajara. Finally, in order to offer the more than 3200 tools and accessories that make up its product line, URREA complements its own manufacturing with products made by major allies worldwide, primarily in the United States and Europe.



2007 is a very important year for Grupo Urrea, Total Solution in Tools. The Group reaches a centenary growing and confirming that we are the total solution in tools. Each one of the 100 years, Grupo Urrea has been making an effort to be the best choice for our distributors and users. The years has given us the expertise to fit your needs.



- Actual Distribution Center
- Storage and Conditioning Center
- Plant I, Mechanical Tools
- Plant II, Construction Tools
- General Offices tools division

Plants and General Offices with more than 1'506,947 ft²



New Distribution Center / Opening May 2007

URREA's 40 years of experience in manufacturing and marketing tools and accessories have given the company a solid position in the professional tool sector beyond the borders of Mexico.

URREA products are distributed in Mexico, Central and South America, the United States, and Canada, always with the goal of providing the best solutions for our customers' needs in their maintenance, repair, operation, and production tasks in industry and automotive shops.

We understand that the demands in each of these market segments call for different operating methods, while at the same time requiring uniform attention to detail and delivery for our products. That's why you can get URREA tools and accessories through a broad network of distributors who specialize in industrial and automotive supply. Our experience has taught us that this is the most efficient and economical way to put our products in your hands.

Your URREA distributor offers you great value and makes it easy for you to buy our tools:

- **PRODUCT AVAILABILITY.** Your URREA distributor is close to you and maintains a local inventory of URREA products available for immediate delivery.
- **PRICE.** Your URREA distributor gets the product from the factory and makes it available directly to you, reducing middle-man costs.
- **ACCESSORIES AND SERVICE.** Your URREA distributor gives you personal attention, with a sales force trained by our technicians and qualified to assist you, right at your job site, on using URREA tools and accessories safely. Your distributor also stays informed about new products and methods for making your work more efficient.
- **PRODUCT VARIETY.** In addition to URREA tools and accessories, your distributor handles other well known product lines, so you can get most of the maintenance, repair, operation, and production products and services you need through one supplier.



URREA tools are designed for precision, quality, and strength. They are made by skilled, highly trained personnel and are marked with the country of origin in which they were manufactured, using the most sophisticated equipment and the best materials available, and in compliance with strict specifications.

That's why URREA tools are: Guaranteed 100 years

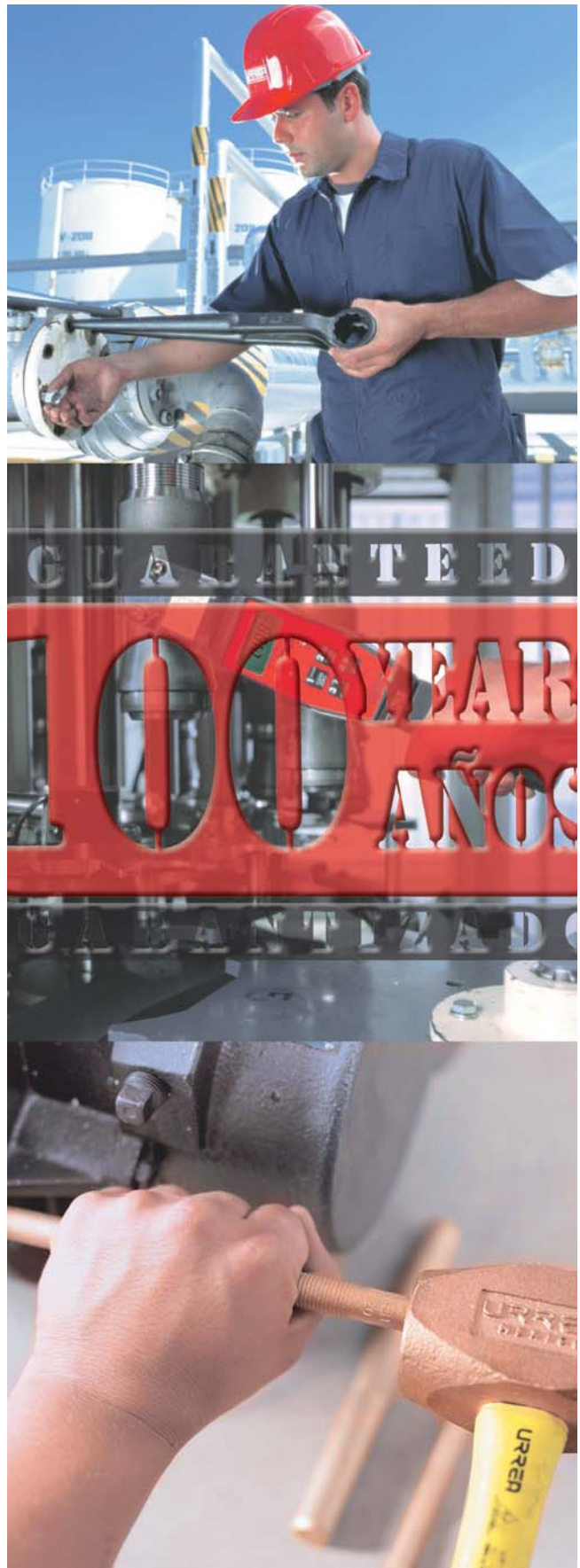


URREA guarantees that the products it offers are free of defects in materials and workmanship for the life of the tool (except when a different guarantee is specified), and URREA will repair or replace any tool that fails during its working life, under normal working conditions, free of charge at the location where it was purchased.

This guarantee is subject to the following conditions:

- The tool's origin must be identified by URREA's permanent marking.
- The tool's failure must be caused by a manufacturing defect related to materials or workmanship, not by abuse of the tool.
- URREA reserves the right to refuse to repair or replace tools that have been abused, overworked, modified, or used incorrectly or without adequate maintenance.
- URREA may choose to repair or replace the defective tool at its discretion. The tool will be repaired or replaced directly by the URREA distributor.
- Some products, such as ratchet handles, torque wrenches, and others containing moving parts, are subject to wear under normal use, and the user is expected to maintain them properly and repair them using the refits and replacement parts listed in this catalogue, or to pay a distributor for this service.
- URREA torque wrenches are calibrated in the factory, and calibration is guaranteed for one year. If calibration is lost during the first year of use, proven by presentation of the bill or purchasing receipt, an authorized URREA service center will recalibrate it free of charge. Calibration services for URREA torque wrenches are also offered after the first year for a nominal charge.
- Consumable products such as drill bits, hacksaw blades, cutter blades, and similar items are guaranteed at the time of purchase to be free of defects in materials and workmanship that could affect their use, but they are expected to wear down with normal use.

URREA is not responsible for personal injuries or accidents that may result from the improper use, alteration, abuse, or use beyond the expected life of its products.





## ISO

The International Organization for Standardization (ISO) is a world federation whose standards apply to more than 130 countries.



The ISO is a non-governmental organization established in 1947. Standards approved in certain countries but not accepted in other countries or regions, for similar technologies, had become "technical trade barriers." The ISO was created so that industrial exporters could have international standards to help them rationalize international trade. The ISO's mission is to ensure standardization and related activities worldwide, with the goal of facilitating the international exchange of goods and services by promoting intellectual, scientific, technological, and economic cooperation.

The ISO's work is reflected by international agreements published as standards. It generates two types of standards: for processes and for products.

For more information, consult its web page at [www.iso.ch](http://www.iso.ch)

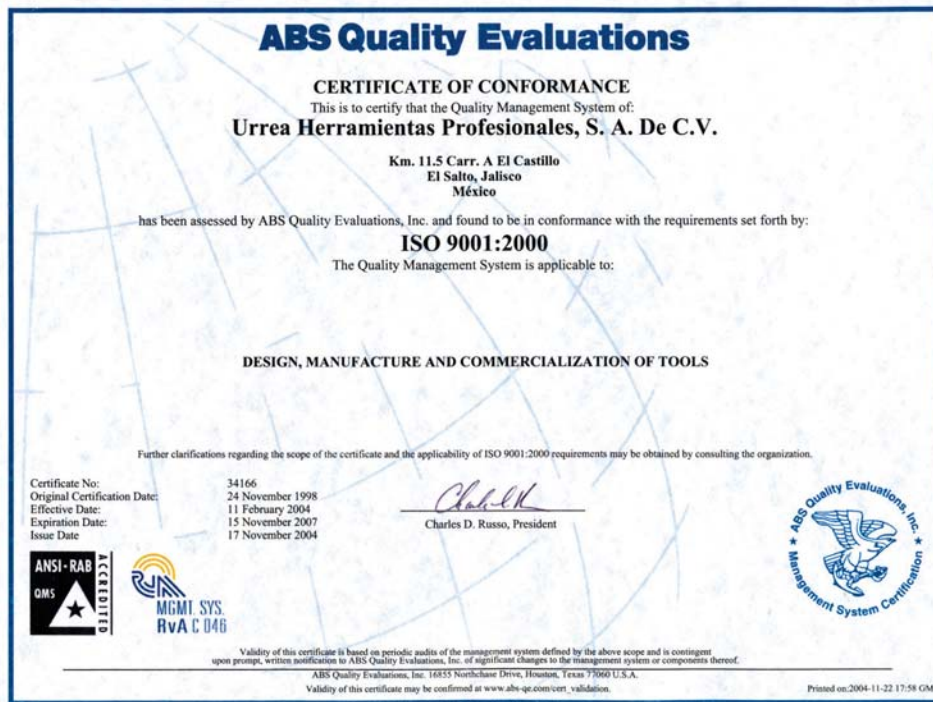
ISO 9000 is a series of international standards that certify a company's quality-control system, so that its customers can rely on the quality of its products. They were adopted in 1987 and are recognized in more than 100 countries as the quality control standard and certification for international trade. In Europe, more than 50,000 companies are certified under ISO 9000.

Some historians state that ISO 9000 originated from the United States Department of Defense's quality standards (MIL-Q9858) developed in the late 1950s. The British Standards Institute adopted these standards and expanded them to apply to all company processes in 1979, calling them "British Standard 5750." The International Organization for Standardization adopted that standard and named it the "ISO 9000" series. These standards are updated periodically: the previous revision was in 1994 (ISO 9000: 1994) and the most recent was in 2000 (ISO 9000: 2000).

The ISO 9000:2000 standard consists of two main parts:

- 9000: Quality management systems – Fundamentals and terminology.
- 9001: Quality management systems – Requirements.
- 9004: Quality management systems – Performance improvement guidelines.

URREA received ISO 9001: 1994 certification in November 1998 and earned ISO 9001: 2000 certification in February 2004. This certification represents a constant commitment to maintaining high standards of operations and to fabricating products that allow us to offer our customers a tool with the best combination of price, quality, and ease of use.



Our Tool Standards are specifications reflected in documents that describe:

- General Product Design Characteristics.
- General Characteristics for Materials used in Product

Fabrication.

- Hardness.
- General and Critical Dimensions.
- Load Tests (Torque, Flexion, Tensile strength, Cutting, etc.).
- Marking requirements (such as the mandatory indelible country of origin mark).

Many standards have regional acceptance. North America and the Caribbean use primarily standards issued by institutions and organization in the United States (such as the ASME/ANSI, SAE, and Federal Government), while South America, especially its southern tip, uses predominantly European standards (such as Germany's DIN). Standards with truly international acceptance like the ISO standards (listed on the preceding page) have recently begun to be issued. In addition to tool standards, they also use general material standards (like those issued by the ASTM).

Below is a list of the organizations that issue standards met or exceeded by URREA tools and accessories.

## ANSI (USA)



**American National Standards Institute**

The American National Standards Institute (ANSI) was founded in 1918 by five associations of engineers and three United States government agencies with the goal of ensuring North American industry's international competitiveness by establishing and promoting standards. It represents the interests of its 1400 associates, including private companies, government agencies, and institutional and international members. It is headquartered in the city of New York.

In the United States it represents the world's two leading standardization organizations: the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC). The ANSI was a founding member of the ISO and has played a fundamental role in its development, as one of the five organizations permanently on its Technical Board of Directors and a member of most of its technical committees. It plays an equally important role in the IEC, as one of the twelve members on the Board of Directors and a participant in almost all of its technical committees.

The ANSI issues the American National Standards (ANS) but does not develop them itself, having them prepared instead by qualified groups and committees. Its standards concerning tools are developed by the ASME (see below).

For more information, see its Internet site:

[www.ansi.org](http://www.ansi.org), where you can order the standards it issues.

## ASME (USA)



The American Society of Mechanical Engineers (ASME) was founded in 1880 by a group of mechanical engineers in the United States. To its more than 125,000 associated Mechanical Engineers, the ASME offers:

- Mechanical Engineering competitiveness programs.
- Regular conferences and seminars to keep mechanical engineers up

to date on the latest technology.

- 19 technical publications and all types of literature related to mechanical engineering.
- Maintenance and distribution of more than 600 standards for designing, manufacturing, and installing mechanical elements.
- Promotion of the science and the art of mechanical engineering worldwide.

Its vision is to promote and ensure competition and professionalism among its members and to contribute to the accomplishment of such practices and promote the well-being of humanity through Mechanical Engineering quality programs. The ASME consists of 38 Technical Committees that specialize in standards ranging from Aerospace to Fluid Technology Systems.

The standards concerning hand tools are developed by technical committees and subcommittees that include users and manufacturers (represented by the Hand Tools Institute—HTI—of which URREA is an active member). These standards are grouped primarily in chapter B107 and are issued in association with the ANSI.

For more information, visit their web page: [www.asme.org](http://www.asme.org), where you can order the standards they issue. You can also visit [www.hti.org](http://www.hti.org) for information on North American tool manufacturers.

## SAE (USA)



The Society of Automotive Engineers (SAE) is made up of more than 75,000 engineers, students, businessmen, and science professors in over 97 countries, developing and exchanging ideas for advancing mobile systems worldwide. The SAE's goal is to create programs that promote safe, reliable human transportation and energy conservation. Some 16,000 people participate on its board of directors and on the various boards and committees that compose this association. The SAE maintains close relationships with associations such as the Electronic Airline Engineering Committee, the General Aviation Manufacturers Association, and the Radio Communications Commission. For aeronautics, the International Air Transportation Association and the European Civil Aviation Equipment Organization, among others. The SAE also heads a number of ISO Technical Committees. The SAE publishes a large number of documents and standards in three different categories:

1. Land Vehicle standards,
2. Aerospace standards,
3. Aerospace Material specifications.

With regard to tools, the SAE issues standards related to their use in the aerospace industry (AS – Aero Space standards). Few industries demand products with quality as high as the aerospace industry, and the SAE provides standards containing procedures for designing and manufacturing the products required by this industry.

For more information, visit their web site: [www.sae.org](http://www.sae.org), where you can order the standards they issue.

## DIN (Germany)



The German Standardization Institute (Deutsches Institut für Normung e.V. – DIN) was founded in 1917. It groups together a number of organizations and

commissions dedicated to promoting standardization, safety, environmental protection, and quality assurance for products marketed in Germany. It also seeks to promote communication between industry, technology, science, government, and the general public. The DIN's work is performed by some 26,000 external experts who serve as volunteer delegates on more than 4000 committees. Its standards are revised at least every five years. It is headquartered in Berlin. Many of its standards are adopted and adapted by institutes and associations in other European countries (such as AFNOR in France and AENOR in Spain), the European Standardization Committee, and the ISO.

Tool standards are developed by committees with the participation of the German Tool Manufacturers' Association (Fachverband Werkzeugindustrie e. V. – FWI), which is part of the European Tool Committee (Comité Européen de l'Outillage – CEO). The CEO (Europe) and the HTI (USA) are currently working together to develop ISO standards for tools.

For more information, visit their web site: [www.din.de](http://www.din.de), where an English version is available and you can order the standards they issue. You can also visit [www.werkzeug.org](http://www.werkzeug.org) for information on German manufacturers and [www.ceo-tools.org](http://www.ceo-tools.org) for information on European manufacturers.

Federal Government of the United States



The General Services Administration (GSA) develops and issues the United States government's federal standards. The GSA is one of three United States federal government agencies whose mission is to provide space management solutions, supply services, and general solutions for ensuring the proper performance of federal government employees and the fulfillment of their goals. The following documents are commonly associated with the GSA but not controlled or issued by it:

- Military Standardization Documents
- Industrial standards, such as those issued by the American Society for Testing and Materials (ASTM).

"Federal" standard documents are issued in four basic categories:

1. Federal Specifications. These are documents that describe the essential and technical requirements for products, materials, or services.
2. Federal Standards. References indicated in the Federal Specifications; there are two types:
  - Test Method Standards, developed by the federal government when appropriate industrial standards are not available.
  - Material Packing, Marking, and Identification Standards.
3. Description of Commercial Articles. Documents issued under Federal Standard programs, intended for use in acquiring products available on commercial markets.
4. Accredited Product lists. Lists approved in compliance with all requirements in the specifications.

The federal standards for tools (known as US Federal Specifications, GGG) were previously developed directly by the GSA. Currently the GSA is adopting the commercial use standards issued by the ASME/ANSI, or the SAE where applicable. However, the federal standards and specifications published previously are still in use for reference purposes, although they are no longer being updated.

VDE (Alemania)

# VDE

VDE Prüf- und  
Zertifizierungsinstitut

The Electric, Electronic and Information Technologies of Germany (Verband der Elektrotechnik, Elektronik und Informationstechnik), was founded in 1993 and has evolved as one of the biggest technical and scientific associations in Europe. It groups around 33,000 members, which includes a wide spectrum of engineers, scientifics, technicians and over 5,000 students. It also groups around 1,250 Institutional and Corporate Members that represent the main German electricity, electronic, information technologies enterprises, energy commissions, federal authorities and institutions. Headquarter is in Frankfurt am Main, Germany.

The institute supports the standardization work with fundamental research, new test methods, equipment development and testing instructions, and the behavior of the test and participation on international schemes for burden conformity.

Testing areas:

- Lighting
- Electronic
- Household & Commercial applications and system
- Electric and Electronic equipment
- Cables y ropes

The Institute of Testing and Certifications of VDE (Verband der Elektrotechnik Prüf- und Zertifizierungsinstitut) provides the norm that has to fill all the dielectrics tools that has and insulation that resists until 1 000V~. Our screwdriver plant is certificated under VDE norm.

For more information, please visit: [www.vde.de](http://www.vde.de)

Mexican government.

# NOM

The General Standards Administration (Dirección General de Normas - DGN) is the official Mexican government agency that develops and issues standards. These standards are designated as Official Mexican Standards (Norma Oficial Mexicana NOM) and Mexican Standards (Norma Mexicana - NMX). They are documents issued by the Mexican Government and describe requirements for quality, safety, and other attributes with which certain products must comply. These documents are written by a National Standardization Committee that includes industries, associations, private institutions, and public sector representatives.

Some time ago they developed standards applying to certain specific tools. However, it was later decided to leave them as voluntary and stop updating them. They are therefore used now for reference. However, there are other mandatory standards regarding labeling requirements (NOM050) that specify the information tools must have on them at points of sale. There are also other tool-related standards.

## AFFILIATIONS



Over the years, URREA has become affiliated with the following internationally recognized organizations:



Hand Tools Institute  
(USA)



National Tool Manufacturers  
Association (ANFHER)  
(México)



Specialty Tools and Fasteners  
Distributors Association  
(USA)



American Supplies and  
Machinery Manufacturers Association  
(USA)



Automotive Parts and Accessories  
Association  
(USA)



American Hardware Manufacturers  
Association  
(USA)



Forging Industry Association  
(USA)

## ATTRIBUTES



Some URREA products offer specific benefits and characteristics for certain types of use or superior performance. To develop these benefits, URREA asked the advice of users who encounter the most demanding product applications.



**Super Duty.** Tools and equipment designed and manufactured with special materials and processes to guarantee the best performance under constant use in the toughest applications. These products are strong, high-performing, and comfortable to use. Their superior appearance and finish identify them with the most demanding mechanical professionals.



**Heavy Duty.** Tools and equipment designed and manufactured with materials and processes that guarantee the best performance in applications requiring greater strength and periods of frequent use. They are fabricated to guarantee toughness, durability, and safety. Made for real professionals.



**Industrial duty.** Durable quality tools for general shop applications, ideal for intermittent use activities, offering an excellent balance between good performance and affordability.

SUPER DRIVE



A box-end design for wrenches and sockets that conforms to SAE AS954 specifications. The lobular geometry of these tools enables them to act on the flat faces of fasteners instead of the ridges. This allows more torque to be applied without damaging the fasteners or the tool, yielding greater wrenching power, so less effort is required to tighten or loosen fasteners.

SHORT



Tools designed especially for work in tight spaces and hard-to-reach areas. Because of the steel used to make them and the heat treatments they have undergone, they exceed the most demanding international standards.

BLACK



Protection against corrosion and oxidation by means of a phosphatizing or bluing process that gives them a black color. The bluing is not a coating on the steel, but rather is incorporated into its surface. This eliminates any flaking that could accidentally contaminate a product or process. These tools are recommended for use in industries with FOD (Foreign Object Debris) requirements, such as food processing, chemicals, aeronautics, and similar applications.

CUSHION GRIP

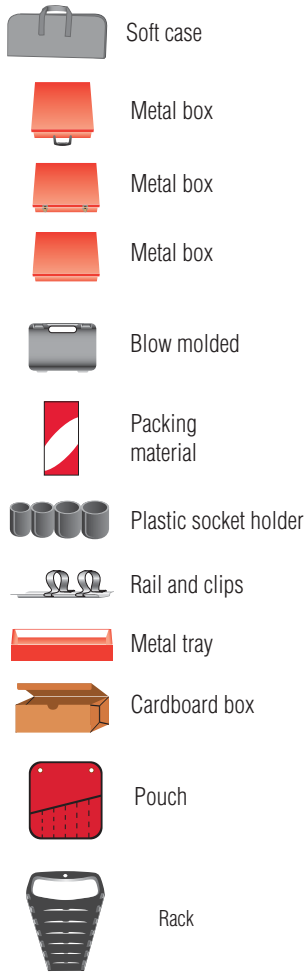


Padded handles made with rubberized materials and an ergonomic design, allowing the user to apply more torque with less fatigue. The material used to make them can be exposed to fluids and solvents without affecting performance.

RUBBER GRIP



Comfortable handles for greater comfort and safety when tools are used. This cover can be exposed to fluids and solvents without affecting its performance.



**1/4"** 1/4" square drive

**3/8"** 3/8" square drive

**1/2"** 1/2" square drive

**3/4"** 3/4" square drive

**1"** 1" square drive

**1 1/2"** 1 1/2" square drive

**2 1/2"** 2 1/2" square drive

**"** 12-point opening (double hexagon) in inches

**mm** 12-point opening (double hexagon) in millimeters

**"** 6-point socket (hexagonal) in inches

**mm** 6-point socket (hexagonal) in millimeters

**12** 12-point opening (double hexagon)

**6** 6-point socket (hexagonal)

6-point truck socket

8-point truck socket

Standard socket, Type I (bolt end smaller)

Standard socket, Type II (straight)

Standard socket, Type III (drive end smaller)

Deep socket, Type I (bolt end smaller)

Deep socket, Type II (straight)

Deep socket, Type III (drive end smaller)

12-point deep socket

12-point socket

6-point deep socket

6-point socket

Torx® tip socket

Hex point socket

Socket with female Torx® tip

Pear-head ratchet handle

Round-head ratchet handle

Hinge handle

Speed handle

Sliding T handle

L handle

Extension

Universal joint

Female adapter

Male adapter

Oxygen Socket

Sparkplug socket

Standard impact socket, Type I (bolt end smaller)

Standard impact socket, Type II (straight)

Standard impact socket, Type III (drive end smaller)

Deep impact socket, Type I (bolt end smaller)

Deep impact socket, Type II (straight)

Impact socket with double opening

Short impact extension

Long impact extension

Impact adapter with 1" drive

Impact adapter

Impact universal joint

**15°** 12-point opening (double hexagon), 15° angle

**45°** 12-point opening (double hexagon), 45° angle

**"** Open end, wrench in inches

**mm** Open end, wrench in millimeters

Ratchet Box End

Adjustable wrench end

**SUPER DRIVE**

**SHORT** Short Wrenches

**RUBBER GRIP** Rubber Grip Handle

**BLACK** Black oxide finish

A = Full polish finish  
Conventional design



B = Satin finish  
Conventional design



C = Satin finish  
Round handle



4-point socket (square)	Cabinet Tip	1/4" hexagonal insert, hex tip	Standard cut
Plastic handle Soft	Phillip Tip	1/4" hexagonal insert, torx tip	Half flush cut with precise cutting edges
Amber acetate handle	Torx® Tip	1/4" hexagonal insert, phillips tip	
Red polypropylene handle	Torx® Plus Tip	1/4" hexagonal insert, flat tip	
Dielectric handle	Female Torx® tip	Square drive screwdriver	For punching
Electrostatic dissipative	Safety Torx® tip	Screwdriver handle for tips	For marking
1/4" hexagonal	Square bar	Phillips tip screwdriver	Combination lug nut wrench, 2 or 3 ends
Square tip	Clutch tip	Flat tip screwdriver	Lug nut wrench, 2 ends
Round bar	Hex tip	Slip joint pliers	Lug nut wrench, 3 ends
Bristol tip	Female hex tip	Long-nose pliers	3/8" chuck
Female square drive	Torx® Tamper-Proof tip	Tongue & groove pliers	1/2" chuck
Male square drive	Torx® Plus Tamper-Proof tip	Flush cut for high-precision cuts	Uniform movement
1/4" male square drive	Hex driver tip		Random movement
Flat tip	Metric hex tip		
Flat tip square bar	Hex tip in inches		
	1/4" hex tip		

## availability starts with



Your URREA distributor is close to you and maintains a local inventory of the URREA products that appear in this catalog, so that you can source your tool needs immediately.

### CONTACT US

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