



Koken[®]



Koken TOOL CO., LTD.

2015



2015 INDEX

Reproduction in whole or in part without proper and prior authorization is prohibited.

Se prohíbe la reproducción total o parcial sin la debida autorización previa.

Specifications or design of any product in this catalogue are subject to change without notice.

Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.

HAND MANUALES

P20-116



Z-SERIES

P118-130



TITANIUM DE TITANIO

P132



ACCESSORIES ACCESORIOS

P134-168



SCREWDRIVERS
DESTORNILLADORES

P170-174



PLASTIC PROTECTOR
PROTECTORES PLÁSTICOS

P248-250



IMPACT
DE IMPACTO

P176-230



AUTOMOTIVE

P252-272



SLEEVE-DRIVE

P232-240



CONSTRUCTION
CONSTRUCCIÓN

P274-284



INDUSTRIAL
INDUSTRIALES

P242-246



RENEWAL KITS
JUEGOS DE PIEZAS DE REPUESTO

P286-289



HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

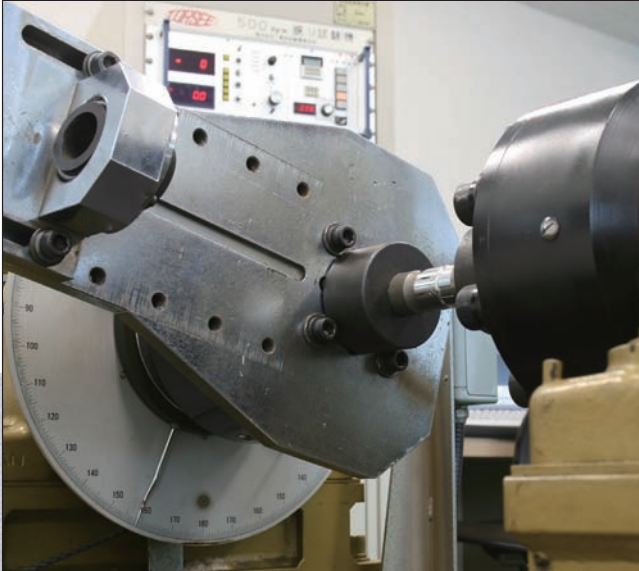
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS DE REPUESTO



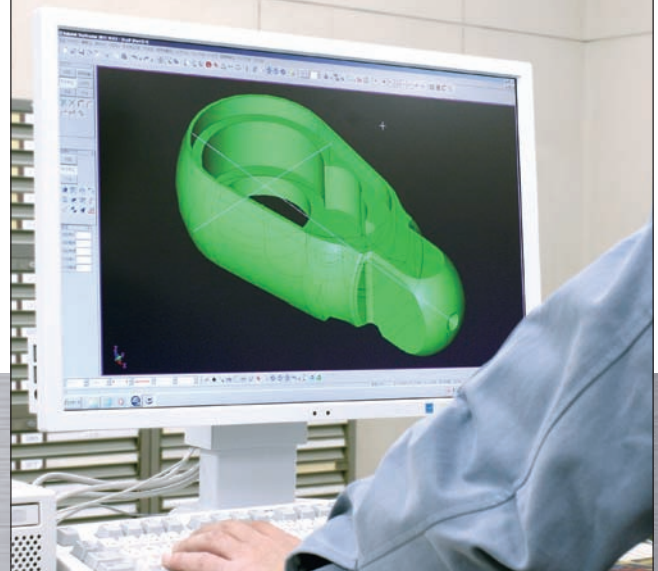
■ TEST AND LABORATORY



Ko-ken uses a variety of test equipment. Strength is measured by the Static Load Test Machine that can measure torque load up to 5,000Nm. Durability is measured by the Cyclic Test Machine and corrosion resistance testing is done by the Salt Spray Test Machine. The test results are used to improve our standard products and assist with new product design and development.



■ DESIGN AND DEVELOPMENT



The 3D-CAD is used to improve standard products, designing new products and making customized items for special requirements. Trial products are regularly developed, manufactured and tested to improve the durability, appearance and functionality of all tools produced by Ko-ken.



■ FORGING



The Forging machines are used for the forging process. These machines can produce mass quantities of sockets and parts with high accuracy that ordinary drop forging machines can not achieve. However, ordinary forging machines are also used for small production runs.



■ TURNING



The forged steel is turned into required shapes and dimensions. The MC (Machining Center) operates with extraordinary speed and precision. The article number, size, logo, production number, and MADE IN JAPAN are marked on the products after the turning process has been completed.



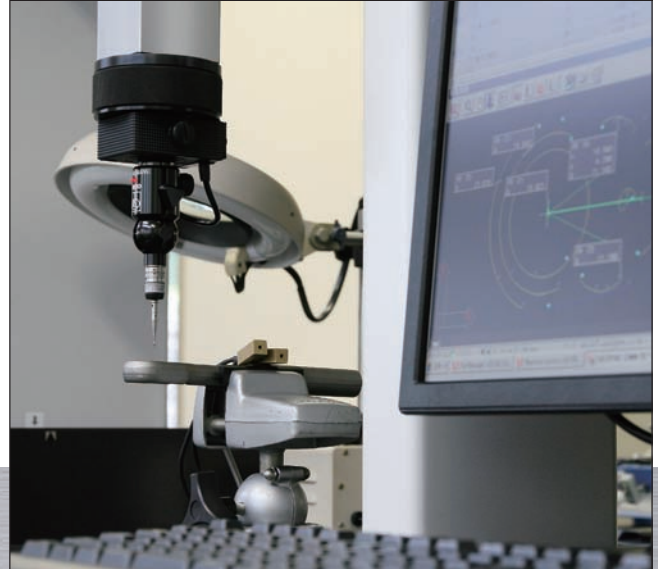
■ HEAT TREATMENT



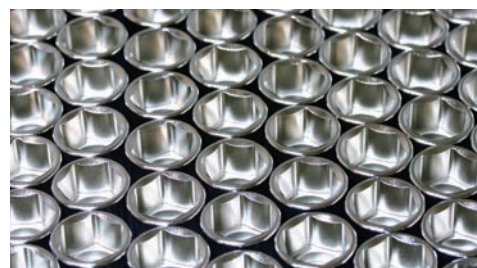
To make the tools stronger and more durable, proper heat treatment is critically important. The temperature and the time of the heat treatment are strictly regulated by a very accurate control device.



■ INSPECTION

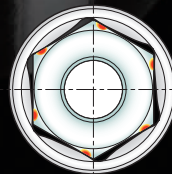


Our products are periodically checked at each production process by inspection devices. Highly accurate 3-D measuring instruments are used to inspect and check dimensions.





FLAT DRIVE®



Flat Drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de Contacto Plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir un par mayor. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca hexagonal o bi-hexagonal del vaso.

SOCKETS

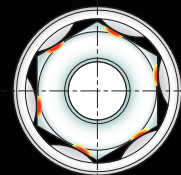


SURFACE DRIVE



Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear.

These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.



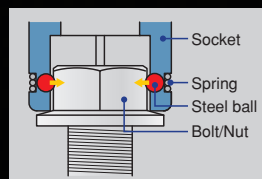
Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca.

Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas desgastadas.

NUT GRIP®



Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.



El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable.

PATHFINDER®



The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Las caras biseladas de la boca hexagonal del vaso GUÍA acoplan el vaso inmediatamente.

Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.





RATCHET HANDLE



S.O.D.H-System®

Two dogs are located in the ratchet body so that the dogs and springs are held securely in place while allowing the reversing lever and dog to switch smoothly.

The torque load on the gear it is transmitted vertically to the dog, and in turn, down the ratchet handle. This mechanism locks gears tightly in place while torque is being applied, thus avoiding any gear slippage.

Los dos trinquetes del cuerpo de la llave de carraca y sus muelles están dispuestos en el cuerpo de la llave de forma que se mantienen firmemente en posición permitiendo un cambio suave de la palanca de inversión y del trinquete.

El par sobre la rueda dentada se transmite verticalmente al trinquete, y al mismo tiempo al mango de la llave de carraca. Este mecanismo bloquea firmemente los dientes mientras se aplica el par, evitando así el deslizamiento de los mismos.



Two-Step Dog

Two flats hold two teeth of the ratchet gear, thus increasing the maximum torque load of the ratchet compared with a single-step system.

Los dientes de la rueda de la llave de carraca se inmovilizan por medio de dos dientes aumentando de esta forma el par máximo de la llave en comparación con el sistema de un paso.



Three-Step Dog

Two dogs are set in the same axis, and the three teeth hold the ratchet gear.

The enlarged contact area produces about 10% higher torque value and the S.O.D.H-System provides smooth and light movements.

Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes.

El aumento de la superficie de contacto produce un aumento de par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.



SHAPE of HANDLE



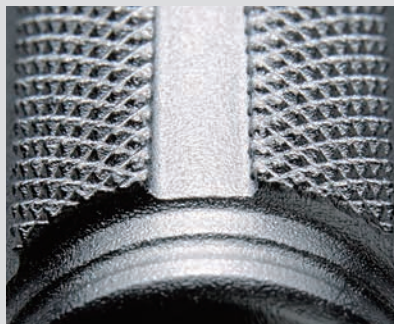
OVAL SHAPE SHANK



Unique designed oval shape shank provides extra strength and durability.

El particular diseño de caña de sección Ovalada proporciona más resistencia y duración.

KNURLING



Ratchets and Hinge handles have knurling on the grip to ensure the tool can be held securely.

Extension bars also have 6-point knurling on the outside of the female square drive. This gives a grip to hold with your fingers as well as preventing the tool from rolling on flat surfaces.



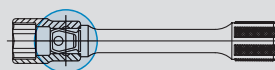
WOBBLE-FIX



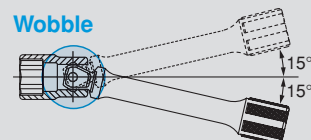
One use as a flexible extension bar permitting movement up to 15° angle and the other as a normal extension bar.

Una, como alargadera flexible que permite trabajar con un ángulo de 15°, otra, como alargadera normal.

Fix



Wobble





STUD BOLT PULLER/SETTER

STUD BOLT PULLER



The body design was changed to hexagonal shape to minimize tolerances. This shape is also effective to lessen excessive load on cages and rollers inside the body.



RATCHET PULLER

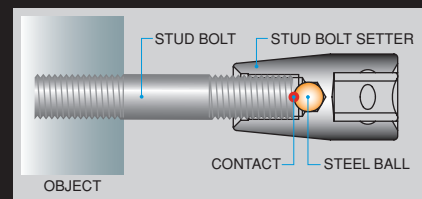


Puller for tightening stud bolts. Go-through body allows puller to grip the stud bolt at any position along the stud. Three-roller protects the bolt from damage.



STUD BOLT SETTER

Special socket for installing a stud bolt. The bolt contacts with a steel ball to prevent the bolt from sticking onto the socket. After installing the bolt, turn anti-clockwise to remove the socket.

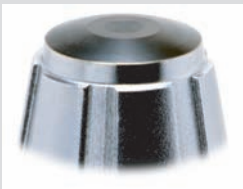




ATTACK DRIVER®

1 BLACK FINISHED HEAD

The top of Attack Driver is manganese phosphate treated to prevent chrome peeling off the head when it is struck.



2 BODY SHAPE

Original body shape allows stronger grip. It makes it easier to convert the striking power into twisting power.



1 3 HEAT TREATMENT FOR ANTI-CRACK

Special Heat treatment is applied on the parts of Attack Driver. Hardness of Striking head is slightly softer to prevent cracking. The cam part has higher hardness to improve anti-wear.

3 SPRING

Strong spring is used to convert the striking power efficiently into twisting power.





FREE-TURN GRIP



SPINNING CROSS WRENCH

The shaft of cross wrench turns freely within the knurled grip. The cross bar is removable for easy storage in a compact space.



FLEXIBLE SPEEDER

Free-turn grip allows speedy removal or replacement of wheel nuts. It can also be used as a hinge handle to tighten or loosen the nuts.



SPINNING SLIDE T-HANDLE

The knurled grip is attached in the middle of shaft for free turning. Oval shaped cross bar prevents the bar from turning inside the shaft during use.



IMPACT WHEEL NUT SOCKET



PLASTIC PROTECTOR

A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.

The socket size and Ko-ken Mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

EXTRA THIN-WALLED



Thin-walled shape and 110mm length gives extra reach for nuts recessed deep inside the wheel.

They are ideal for aluminum wheel nuts where access to nut is very tight. Color coded shafts make size identification easy.

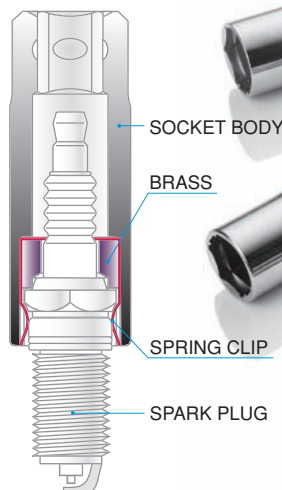
SPARK PLUG SOCKET

CLIP TYPE

It is designed to grip a spark plug securely at its hexagonal part by two stainless spring clips.

Internal brass guide holds the clips in place ensuring perfect alignment of the spark plug into the threaded plughole of the cylinder head and thus preventing thread damage.

The brass guide also eliminates stress loading and possible damage to the ceramic insulator.



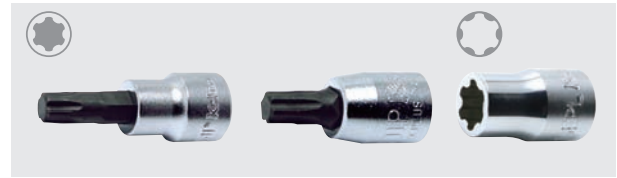
License

TORX® / TORXplus® & LHSTIX®

TORX® / TORXplus® and **LHSTIX®** are recognized as three of the most efficient fastening systems because of their ability to transfer greater torque, reduce end load and virtually eliminate tool slippage.

TORX® / TORXplus® y **LHSTIX®** están reconocidos como los tres sistemas más efectivos de fijación debido a su mayor capacidad de transmitir par, reducir el par final y eliminar completamente el deslizamiento de la herramienta.

TORX® & TORX plus®



TORX® and **TORXplus®** are registered trademark of Acument Intellectual Properties, LLC. **Koken TOOL CO., LTD.** holds the official license to use the trademark **TORX®** and **TORXplus®**. **TORX®** y **TORXplus®** es una marca registrada de Acument Intellectual Properties, LLC. **Koken TOOL CO., LTD.** cuenta con licencias oficiales para el uso de la marca **TORX®** y **TORXplus®**.

LHSTIX®



Line Head Straight
LH-S series



LHSTIX® is a registered trademark of **OSG CORPORATION** System Engineering Department. **Koken TOOL CO., LTD.** holds the official license to use the trademark **LHSTIX®**. **LHSTIX®** es una marca registrada de **OSG CORPORATION** System Engineering Department. **Koken TOOL CO., LTD.** cuenta con licencia oficial para uso de la marca **LHSTIX®**.

Registered Trademarks

Koken®



CO-KEN®

Koken TOOL CO., LTD.®

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

山下工業研究所®

山下工研®

S.O.D.H-System®

Flatdrive®

ATTACK DRIVER®

HANDY-ENDY®

PATHFINDER®

Nut Grip®

LOCK NUT BUSTER®

NUTTWISTER®

BOLT TWISTER®

Aerial Photograph



Warranty

WARRANTY

The trade mark **Kokon** is your unqualified warranty against any defect in material or workmanship. Each **Kokon** tool is built to more than meet the requirements of its intended use and is carefully checked before leaving the factory. Any **Kokon** tool which fails because of defective material or workmanship will be repaired or replaced through your **Kokon** dealer, to the exclusion of any further liability.

GARANTIA

La marca **Kokon** es la garantía incondicional contra cualquier defecto de materiales o de fabricación. Todas las herramientas **Kokon** están fabricadas para satisfacer con creces las exigencias del uso previsto y se inspeccionan meticulosamente antes de su expedición. Las herramientas **Kokon** que fallen por defectos de materiales o de fabricación se repararán o reemplazarán a través del distribuidor **Kokon** correspondiente, excluyendo cualquier otra responsabilidad.

ISO9001







**SAFETY
ADVISER**



GENERAL / CONSIDERACIONES GENERALES

- (a) Make sure you use the right type socket, whose opening fit the nut.
Asegurarse de utilizar el tipo de vaso adecuado, con una boca que se ajuste a la tuerca.
- (b) For use on electric or air IMPACT Wrenches select IMPACT Sockets only.
Con llaves mecánicas de IMPACTO, utilizar solamente Vasos de IMPACTO.
- (c) When using nut runners or IMPACT Wrenches wear safety goggles.
Cuando se utilicen aprieta-tuercas mecánicos o llaves de IMPACTO, llevar siempre gafas de seguridad.
- (d) Plastic or rubber handles are not intended to act as insulation.
Los mangos de goma o de plástico no están previstos para aislamiento
- (e) Never substitute a HAND Socket for an INDUSTRIAL Socket or an IMPACT Socket, or an INDUSTRIAL Socket for an IMPACT Socket.
No sustituir nunca un vaso INDUSTRIALES o un vaso de IMPACTO por un vaso MANUAL, ni un vaso de IMPACTO por un vaso INDUSTRIALES.
- (f) Items in this catalogue marked  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.
Los artículos de este catálogo marcados  se pueden forzar con pares que pueden causar rotura. En interés de su propia seguridad aplicar siempre el par uniforme y progresivamente para evitar la rotura y posibles lesiones.

SOCKETS / VASOS

Sockets showing cracked walls, battered points or other marks of wear are to be replaced.

Los vasos que presenten paredes agrietadas, cantos machacados u otros signos de desgaste deben reemplazarse.

HANDLES / MANGOS

A ratchet is not a hammer
Una llave de carraca no es un martillo.

Never use loose pipes or other improvised attachments on handles for increased leverage.

No utilizar nunca tubos sueltos u otras herramientas improvisadas con los mangos para aumentar el brazo de palanca.

EXTENSION BARS / ALARGADERAS

The combination of several short extensions instead of one correct sized one is to be avoided.

Debe evitarse combinar varias alargaderas cortas en lugar de una sola alargadera de longitud correcta.

ADAPTORS / ADAPTADORES

Adaptors are to be used reasonably. Be reminded that high torque potentials are reached when using a "down" adaptor, a bigger sized handle to a smaller drive socket. Always stay within safe limits.

Los adaptadores se deben utilizar razonablemente. Debe tenerse en cuenta que al utilizar adaptadores "para menor diámetro", mayor mango en un vaso conductor más pequeño, se consiguen pares superiores al necesario. Mantenerse siempre dentro de límites seguros.

Koken

Hand Sockets

1/4"

3/8"

1/2"

3/4"

1"



Hand Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

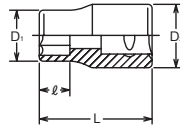
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2400M • 2400A

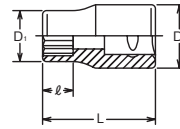
6-point Sockets
Vasos Hexagonales



2400M 2405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
3	5.5	11.2	2.6	22	7	10
3.5	6.1	11.2	3	22	7	10
4	6.7	11.2	3.5	22	8	10
4.5	7.3	11.2	4	22	8	10
5	8	11.2	5	22	8	10
5.5	8.5	11.2	5.5	22	9	10
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
9	13	12	7.3	22	12	10
10	14.3	12.9	7.7	22	15	10
11	15.5	14.3	9.3	22	18	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10
14	19.3	17.9	11	24	30	10

2405M • 2405A

12-point Sockets
Vasos Bihexagonales



2400A 2405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/8	5.7	11.2	2.7	22	7	10
5/32	6.7	11.2	3.5	22	8	10
3/16	7.8	11.2	5	22	8	10
7/32	8.5	11.2	5.5	22	9	10
1/4	9.6	11.2	5.8	22	9	10
9/32	10.3	11.2	6	22	9	10
5/16	11.2	11.7	6.9	22	11	10
11/32	12.5	11.7	7.3	22	12	10
3/8	13.7	12.5	7.7	22	15	10
7/16	15.5	14.3	9.3	22	18	10
1/2	18	16.4	9.8	22	23	10
9/16	19.3	17.9	11	24	30	10

RS2400M/11 RS2405M/11

Socket Set on Rail
Juego de Vasos en Regleta



RS2400M/11	11 Pieces Set/Rail 200mm	(g)
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		222

RS2405M/11	11 Pieces Set/Rail 200mm	(g)
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		222

RS2400A/9 RS2405A/9

Socket Set on Rail
Juego de Vasos en Regleta



RS2400A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		162

RS2405A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		162

1/4" Hand Sockets

AS2405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
3/16	7.7	10.9	4.5	22	8	10
7/32	8.5	10.9	4.9	22	8	10
1/4	9.4	10.9	5.3	22	8	10
9/32	10.2	10.9	5.5	22	8	10
5/16	11.3	11.7	6.4	22	10	10
11/32	12.5	12	6.8	22	10	10
3/8	13.7	12.9	6.8	22	13	10
7/16	15.6	14.3	8.8	22	17	10
1/2	17.2	16.4	8.9	22	20	10
9/16	18.8	17.9	9.1	24	27	10

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

RSAS2405A/10	10 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		160

2410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
4	6.7	11.2	3.5	22	8	10
4.5	7.3	11.2	4	22	8	10
5	8	11.2	5	22	8	10
5.5	8.5	11.2	5.5	22	9	10
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
9	13	12	7.3	22	12	10
10	14.3	12.9	7.7	22	15	10
11	15.5	14.3	9.3	22	18	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10
14	19.3	17.9	11	24	30	10

RS2410M/11	11 Pieces Set/Rail 200mm	(g)
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		222

2400W (BA)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	6.1	11.2	3	22	7	10
7	7.3	11.2	4	22	8	10
6	8	11.2	5	22	8	10
5	8.5	11.2	5.5	22	9	10
4	9.6	11.2	5.8	22	9	10
3	10.3	11.2	6	22	9	10
2	11.2	11.7	6.9	22	11	10
1	13	12	7.3	22	12	10
0	14.9	13.6	8	22	16	10

BA

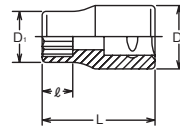


BA		8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
Across Flat	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

RS2400W/9-BA	9 Pieces Set/Rail 150mm	(g)
8, 7, 6, 5, 4, 3, 2, 1, 0		120

AS2405A

12-point Sockets, AS954
Vasos Bihexagonales



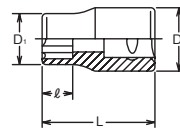
RSAS2405A/10

Socket Set on Rail
Juego de Vasos en Regleta



2410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



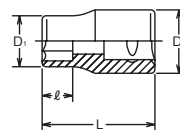
RS2410M/11

Socket Set on Rail
Juego de Vasos en Regleta



2400W-BA

6-point Sockets
Vasos Hexagonales



RS2400W/9-BA

Socket Set on Rail
Juego de Vasos en Regleta



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL
INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE HEZAS/REUESTO

Hand Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

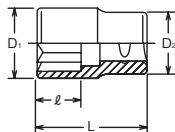
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

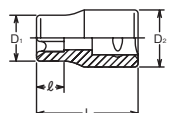
2415M • 2415A Double Square Sockets Vasos Octagonales



2415M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
6	11	11.7	5.4	22	13	10
8	14.3	12.9	6.8	22	17	10
10	17.4	16	8.2	22	27	10

2415A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	11	11.7	5.4	22	14	10
5/16	14.3	12.9	6.8	22	17	10
3/8	17.4	16	8.2	22	26	10

2425 TORX® Sockets Vasos TORX®



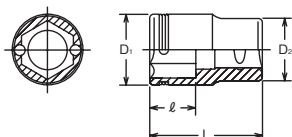
2425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

RS2425/6 Socket Set on Rail Juego de Vasos en Regleta



RS2425/6	6 Pieces Set/Rail 150mm	(g)
E4, E5, E6, E7, E8, E10		85

2450MS Nut Grip Sockets Vasos Sujeta-tuercas Nut Grip®



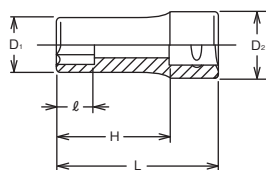
2450MS (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.3	11.2	4	18	8	10
8	12.3	11.2	5	18	9	10
10	14.3	12.9	6	19	13	10
12	17.4	16	7	20	22	10
13	18	16.4	8	20	22	10
14	19.9	18	8.5	22	31	10

RS2450MS/6 Socket Set on Rail Juego de Vasos en Regleta



RS2450MS/6	6 Pieces Set/Rail 150mm	(g)
7, 8, 10, 12, 13, 14		120

2300X 6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos



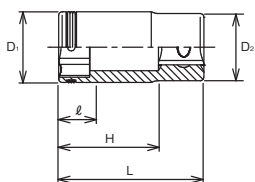
2300X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	6.7	11.2	4	22	32	10	10
5	8	11.2	5.5	22	32	11	10
6	9.2	11.2	7	22	32	12	10
7	10.5	11.2	8	22	32	13	10
8	11.8	11.2	9	22	32	16	10
9	13	12	10	22	32	18	10
10	14.3	12.9	11	21	32	23	10
11	15.5	14.3	12	21	32	27	10
12	16.8	15.5	13	21	32	29	10
13	18	16.4	14	21	32	32	10
14	19.3	17.9	16	20	32	37	10

RS2300X/11 Socket Set on Rail Juego de Vasos en Regleta



RS2300X/11	11 Pieces Set/Rail 200mm	(g)
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		300

2350X Nut Grip® Socket, Semi-Deep Vasos Sujeta-tuercas Nut Grip®. Medianos



2350X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12.3	11.2	5	22	32	17	10
10	14.2	12.9	6	22	32	22	10
12	17.3	16	7	22	32	34	10
14	20	18	8.5	22	32	43	10

1/4" Hand Sockets

2300M 2305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	5.5	11.2	3	40	50	15	10
4	6.7	11.2	4	40	50	15	10
4.5	7.3	11.2	4.5	40	50	15	10
5	8	11.2	5.5	40	50	17	10
5.5	8.5	11.2	6	40	50	17	10
6	9.2	11.2	7	40	50	20	10
7	10.5	11.2	8	40	50	25	10
8	11.8	11.2	9	40	50	25	10
9	13	12	10	40	50	30	10
10	14.3	12.9	11	39	50	34	10
11	15.5	14.3	12	39	50	43	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	52	10
14	19.3	17.9	16	38	50	57	10

2300A 2305A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	5.7	11.2	3.5	40	50	15	10
5/32	6.7	11.2	4	40	50	15	10
3/16	7.8	11.2	5.5	40	50	17	10
7/32	8.5	11.2	6	40	50	17	10
1/4	9.8	11.2	7	40	50	25	10
9/32	10.5	11.2	8	40	50	25	10
5/16	11.8	11.2	9	40	50	25	10
11/32	12.5	11.7	10	40	50	30	10
3/8	13.7	12.5	11	40	50	34	10
7/16	15.5	14.3	12	39	50	43	10
1/2	18	16.4	14	39	50	52	10
9/16	19.3	17.9	16	38	50	57	10

RS2300M/11	11 Pieces Set/Rail 200mm	(g)
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		437

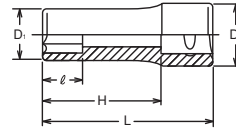
RS2305M/11	11 Pieces Set/Rail 200mm	(g)
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		437

RS2300A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		296

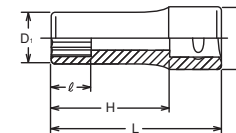
RS2305A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		296

2300W (BA)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	9.8	11.2	7	40	50	22	10
3	10.5	11.2	8	40	50	25	10
2	11.8	11.2	9	40	50	25	10
1	13	12	10	40	50	30	10
0	14.9	13.6	12	39	50	38	10

2300M · 2300A 6-point Deep Sockets Vasos Hexagonales Largos



2305M · 2305A 12-point Deep Sockets Vasos Bihexagonales Largos



RS2300M/11 Socket Set on Rail Juego de Vasos en Regleta

RS2305M/11

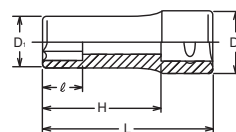


RS2300A/9 Socket Set on Rail Juego de Vasos en Regleta

RS2305A/9



2300W-BA 6-point Deep Sockets Vasos Hexagonales Largos



BA



BA	8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
Across Flat (ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

Hand Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

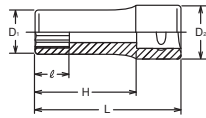
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

AS2305A

12-point Deep Sockets, AS954
Vasos Bihexagonales Largos, AS954



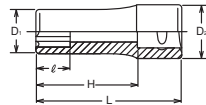
RSAS2305A/10

Socket Set on Rail
Juego de Vasos en Regleta



2310M

Surface Drive Deep Sockets
Vasos Surface Drive (de Contacto Curvo) Largos



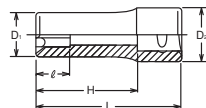
RS2310M/11

Socket Set on Rail
Juego de Vasos en Regleta



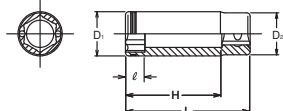
2325

TORX® Deep Sockets
Vasos TORX® Largos



2350M

Nut Grip Deep Sockets Nut Grip®
Vasos Sujeta-tuercas Largos Nut Grip®



AS2305A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	7.7	10.9	4.5	40	50	17	10
7/32	8.5	10.9	4.9	40	50	17	10
1/4	9.4	10.9	5.3	40	50	19	10
9/32	10.2	10.9	5.5	40	50	18	10
5/16	11.3	11.7	6.4	40	50	23	10
11/32	12.5	12	6.8	40	50	24	10
3/8	13.7	12.8	6.8	39	50	31	10
7/16	15.6	14.2	8.8	39	50	38	10
1/2	17.2	16.2	8.9	39	50	42	10
9/16	18.8	17.1	9.1	38	50	47	10

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

RSAS2305A/10	10 Pieces set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		307

2310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	5.5	11.2	3	40	50	15	10
4	6.7	11.2	4	40	50	15	10
4.5	7.3	11.2	4.5	40	50	15	10
5	8	11.2	5.5	40	50	17	10
5.5	8.5	11.2	6	40	50	17	10
6	9.2	11.2	7	40	50	20	10
7	10.5	11.2	8	40	50	25	10
8	11.8	11.2	9	40	50	25	10
9	13	12	10	40	50	30	10
10	14.3	12.9	11	39	50	34	10
11	15.5	14.3	12	39	50	43	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	52	10
14	19.3	17.9	16	38	50	57	10

RS2310M/11	11 Pieces set/Rail 200mm	(g)
4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14		437

2325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	12	4.6	40	50	17	10
E 5	6.8	12	5.2	40	50	20	10
E 6	8	12	5.4	40	50	20	10
E 7	8.3	12	6.6	40	50	22	10
E 8	9.8	12	7	40	50	25	10
E10	11.6	12	8.2	40	50	29	10

2350M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12.3	11.2	5	40	50	30	10
10	14.2	12.9	6	39	50	35	10
12	17.3	16	7	39	50	55	10
14	19.9	18	8.5	38	50	70	10

1/4" Hand Sockets

2440M 2445M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
4	6.7	13	4.8	31.5	17	10
5	8	13	5.3	32	17	10
6	9.2	13	6.1	33	18	10
7	10.5	13	6.5	33	19	10
8	11.7	13	7	34	19	10
9	13	13	7	34	20	10
10	14.2	13	8.3	35	20	10
11	15.5	13	9.5	36	21	10
12	16.7	13	10	37	21	10
13	18	13	10.5	37	26	10
14	19.2	13	10.5	37	28	10

2440A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	9.8	13	6.5	33	18	10
5/16	11.7	13	7	34	19	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

2445A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
3/16	8	13	5.3	32	18	10
1/4	9.8	13	6.5	33	18	10
9/32	10.5	13	6.5	33	19	10
5/16	11.7	13	7	34	19	10
11/32	13	13	7	34	20	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

RS2445A/9	9 Pieces set/Rail 150mm	(g)
3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		220

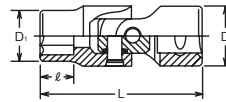
AS2445A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	9.6	12.9	5.7	31.8	18	10
5/16	11.7	12.9	7	34.6	21	10
3/8	13.5	12.9	8.3	35.1	21	10
7/16	15.5	12.9	9.5	39.1	25	10
1/2	17.2	12.9	10.5	40.1	27	10

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

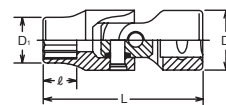
2440T (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E 6	8	13	5.4	31.9	20	10
E 8	9.8	13	7	33.1	20	10
E10	11.7	13	8.2	33.6	21	10
E12	14.2	13	9.3	35.1	24	10

2441M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.3	13	4	33	19	10
8	12.3	13	5	32	19	10
10	14.5	13	6	32.5	21	10
12	16.8	13	7	34	21	10
13	18	13	8	35	21	10
14	20	13	8.5	37	28	10

2440M • 2440A 6-point Universal Sockets Vasos Hexagonales con Articulación Universal



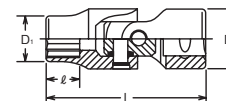
2445M • 2445A 12-point Universal Sockets Vasos Bihexagonales con Articulación Universal



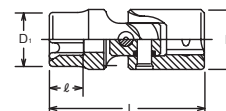
RS2445A/9 Socket Set on Rail Juego de Vasos en Regleta



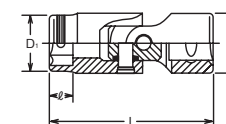
AS2445A 12-point Universal Sockets, AS954 Vasos Bihex con Articulación Universal, AS954



2440T TORX® Universal Sockets Vasos TORX® con Articulación Universal



2441M Nut Grip® Universal Sockets Vasos Sujeta-Tuercas con Articulación Universal



Hand Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

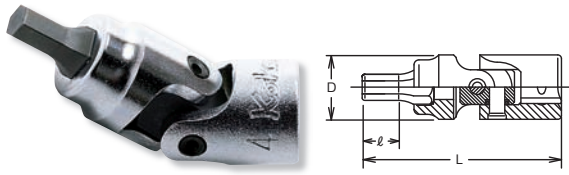
PROTECTOR
PROTECTORES



AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

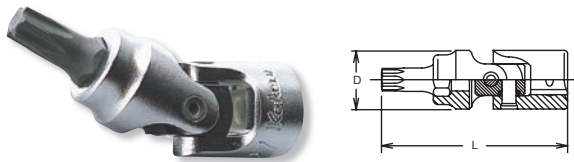
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



2430M Universal Inhex Sockets Vasos Hexagonales con Articulación Universal



2430M (mm)	D (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
3	13	5.5	40	18	10
4	13	5.5	40	18	10
5	13	6.5	40	20	10
6	13	7.5	40	21	10



2430T TORX® Universal Sockets Vasos TORX® con Articulación Universal



2430T (T)	D (mm)	L (mm)	 (g)	 (pcs.)
T 8	13	42	22	10
T 9	13	42	22	10
T10	13	42	22	10
T15	13	42	22	10
T20	13	42	22	10
T25	13	42	22	10
T27	13	42	22	10
T30	13	42	22	10



2000-28 (PH) Phillips Bit Sockets Vasos con Punta Phillips



2000.28 (PH)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
1	11.9	12	28	10	10
2	11.9	12	28	11	10
3	11.9	12	28	12	10
4	13.1	11	28	14	10



2000-28 (PZ) PZ Bit Sockets Vasos con Punta PZ



2000.28 (PZ)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
PZ1	11.9	12	28	10	10
PZ2	11.9	12	28	11	10
PZ3	11.9	12	28	12	10

2005-25 Slotted Bit Sockets Vasos con Punta Recta para Cabeza Ranurada



2005.25	TxW (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3	0.5x 3	11.9	9	25	9	10
4	0.8x 4	11.9	9	25	10	10
5	1.0x 5.5	11.9	9	25	10	10
6	1.2x 6.5	13.1	9	25	11	10
8	1.2x 8	13.1	9	25	12	10
9	1.6x 8	13.1	9	25	12	10
10	1.6x10	14.3	9	25	13	10

1/4" Hand Sockets

2010M.25 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1.5	11.9	9	25	9	10
2	11.9	9	25	9	10
2.5	11.9	9	25	9	10
3	11.9	9	25	9	10
4	11.9	9	25	9	10
5	11.9	9	25	10	10
6	11.9	9	25	12	10
7	13.1	8	25	12	10
8	13.1	8	25	14	10
10	14.3	8	25	17	10


2010M.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2	11.9	84	100	30	10
2.5	11.9	84	100	30	10
3	11.9	84	100	30	10
4	11.9	84	100	30	10
5	13.1	83	100	30	10
6	13.1	83	100	35	10
7	13.1	83	100	35	10
8	13.1	83	100	38	10
10	14.3	83	100	45	10

2010A.25 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	11.9	9	25	9	10
5/32	11.9	9	25	9	10
3/16	11.9	9	25	10	10
7/32	11.9	9	25	11	10
1/4	11.9	9	25	12	10
9/32	13.1	8	25	12	10
5/16	13.1	8	25	14	10
3/8	14.3	8	25	17	10

RS2010M/7-L25	7 Pieces set/Rail 150mm	(g)
3, 4, 5, 6, 7, 8, 10		115

RS2010A/8-L25	8 Pieces set/Rail 150mm	(g)
1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 3/8		130

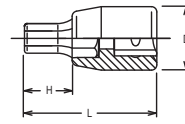
2011M.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	11.9	34	50	16	10
4	11.9	34	50	17	10
5	11.9	34	50	18	10
6	11.9	34	50	18	10

 Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.



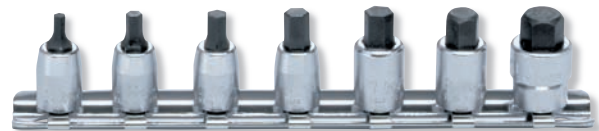
2010M-25 · -100 2010A-25

 Inhex Bit Sockets
Vasos con Punta Hexagonal



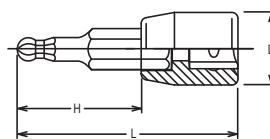
RS2010M/7-L25 RS2010A/8-L25

  Socket Set on Rail
Juego de Vasos en Regleta



2011M-50

 Ballpoint Inhex Bit Sockets
Vasos con Punta de Bola Inhex 



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Hand Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

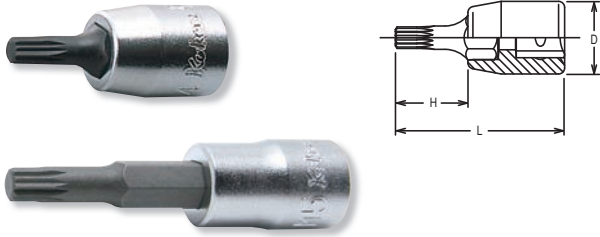
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

2020-28 • -50

XZN Bit Sockets
Vasos con Punta XZN

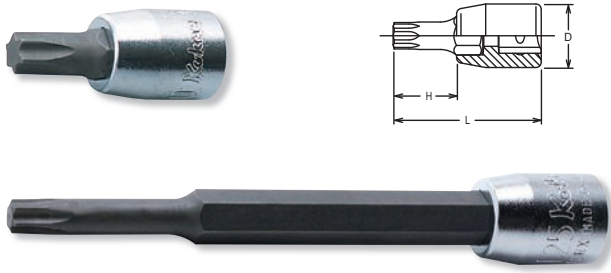


2020.28 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M4	11.9	12	28	12	10
M5	11.9	12	28	12	10
M6	11.9	12	28	13	10
M8	13.1	11	28	14	10

2020.50 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M4	11.9	34	50	20	10
M5	11.9	34	50	20	10
M6	11.9	34	50	22	10
M8	13.1	33	50	24	10

2025-28 • -80 (T)

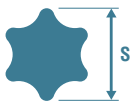
TORX® Bit Sockets
Vasos con Punta TORX®



2025.28 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 8	11.9	12	28	10	10
T 9	11.9	12	28	10	10
T10	11.9	12	28	10	10
T15	11.9	12	28	10	10
T20	11.9	12	28	11	10
T25	11.9	12	28	11	10
T27	11.9	12	28	12	10
T30	11.9	12	28	12	10
T40	11.9	12	28	13	10

2025.80 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	11.9	64	80	40	10
T15	11.9	64	80	40	10
T20	11.9	64	80	42	10
T25	11.9	64	80	42	10
T27	11.9	64	80	45	10
T30	11.9	64	80	45	10
T40	11.9	64	80	50	10

TORX®
(T)



T	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S (ref. mm)	2.30	2.48	2.72	3.26	3.84	4.40	4.96	5.49	6.60	7.77	8.79	11.17	13.20	15.49	17.51	19.88	22.09

RS2025/7-L28

Socket Set on Rail
Juego de Vasos en Regleta



RS2025/7-L28	7 Pieces set/Rail 150mm	(g)
T10, T15, T20, T25, T27, T30, T40		119

2025-28 (TH)

Tamper-Resistant TORX® Bit Sockets
Vasos con Punta TORX® Indeformable



2025.28 (TH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10H	11.9	12	28	10	10
T15H	11.9	12	28	10	10
T20H	11.9	12	28	11	10
T25H	11.9	12	28	11	10
T27H	11.9	12	28	12	10
T30H	11.9	12	28	12	10
T40H	11.9	12	28	13	10

RS2025/7-HOLE

Socket Set on Rail
Juego de Vasos en Regleta



RS2025/7-HOLE	7 Pieces set/Rail 150mm	(g)
T10H, T15H, T20H, T25H, T27H, T30H, T40H		119

Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.

Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su correcta utilización.

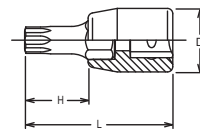


2025.28 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8IP	11.9	12	28	10	10
9IP	11.9	12	28	10	10
10IP	11.9	12	28	10	10
15IP	11.9	12	28	10	10
20IP	11.9	12	28	11	10
25IP	11.9	12	28	11	10
27IP	11.9	12	28	12	10
30IP	11.9	12	28	12	10
40IP	11.9	12	28	13	10

2025-28 (IP)



TORX PLUS® Bit Sockets
Vasos con Punta TORX PLUS®



TORXplus® (IP)



IP	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S (ref. mm)	2.29	2.48	2.72	3.25	3.84	4.39	4.95	5.49	6.60	7.77	8.79	11.16	13.20	15.49

RS2025/7-IP	7 Pieces set/Rail 150mm	(g)
10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40IP		119

RS2025/7-IP



Socket Set on Rail
Juego de Vasos en Regleta

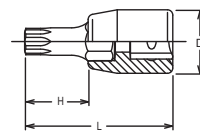


2025.28 (PR)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8PR	11.9	12	28	10	10
9PR	11.9	12	28	10	10
10PR	11.9	12	28	10	10
15PR	11.9	12	28	10	10
20PR	11.9	12	28	11	10
25PR	11.9	12	28	11	10
27PR	11.9	12	28	12	10
30PR	11.9	12	28	12	10
40PR	13.1	12	28	13	10

2025-28 (PR)



Penta-Lobe Bit Sockets, with Hole
Vasos con Punta de Cinco Lóbulos, con agujero



Penta-Lobe (PR)



PR	8PR	9PR	10PR	15PR	20PR	25PR	27PR	30PR	40PR	45PR	50PR	55PR
S (ref. mm)	2.19	2.36	2.58	3.10	3.64	4.12	4.71	5.23	6.30	7.38	8.35	10.63

RS2025/7-PR	7 Pieces set/Rail 150mm	(g)
10PR, 15PR, 20PR, 25PR, 27PR, 30PR, 40PR		119

RS2025/7-PR



Socket Set on Rail
Juego de Vasos en Regleta



Hand Sockets **1/4"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

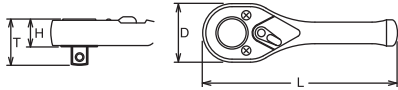
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2753PS Reversible Ratchet Short Llave de Carraca Reversible Corta



* Renewal Kits → 2753RK → P286

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2753PS	22	18.7	11.4	75	55	5

2753N Reversible Ratchet Llave de Carraca Reversible



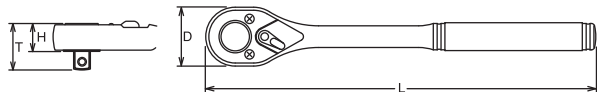
* Renewal Kits → 2753RK → P286

2753P Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 2753RK → P286

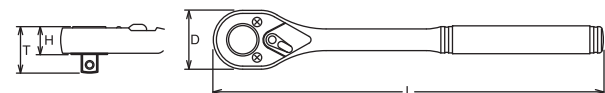
2753J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 2753RK → P286

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2753N	22	18.7	11.4	115	90	10
2753P	22	18.7	11.4	115	87	10
2753J	22	18.7	11.4	115	77	5

2753P-160 Reversible Ratchet Long Llave de Carraca Reversible Larga



* Renewal Kits → 2753RK → P286

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2753P-160	22	18.7	11.4	160	107	5

1/4" Hand Sockets



* Renewal Kits → 2753BRK → P286



* Renewal Kits → 2753BRK → P286



* Renewal Kits → 2753BRK → P286

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2753NB	22	18.7	11.4	115	90	10
2753PB	22	18.7	11.4	115	87	10
2753JB	22	18.7	11.4	115	77	5

⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

44

* Renewal Kits → 2752RK → P286

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2752N	26.5	19.8	12.5	125	95	10



* Renewal Kits → 2753RK → P286



* Renewal Kits → 2753RK → P286

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2774PS	22	18.7	11.4	116	110	5
2774JS	22	18.7	11.4	116	113	5

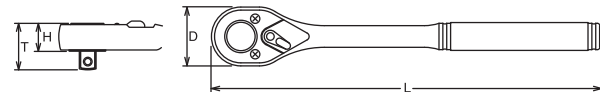
2753NB Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida ⚠



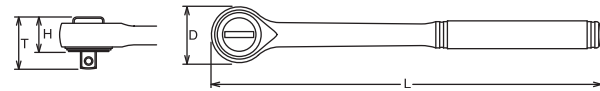
2753PB Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida ⚠



2753JB Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida ⚠



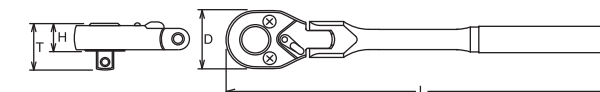
2752N Reversible Ratchet
Llave de Carraca Reversible



2774PS Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



2774JS Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPLUSTO

Hand Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

2774N Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → 2753RK → P286

2774P Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

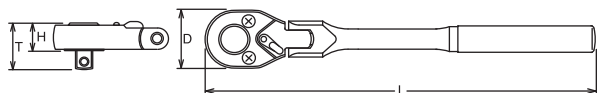


* Renewal Kits → 2753RK → P286

2774J Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

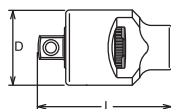


* Renewal Kits → 2753RK → P286



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2774N	22	18.7	11.4	161	130	2
2774P	22	18.7	11.4	161	126	2
2774J	22	18.7	11.4	161	130	2

2755 Ratchet Adaptor
Adaptador de carraca

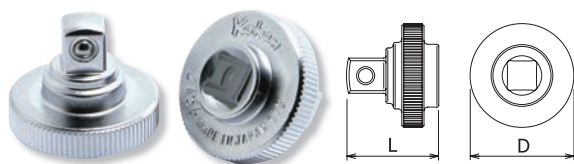


44

* Renewal Kits → 2755RK → P286

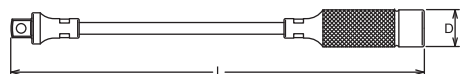
	D (mm)	L (mm)	(g)	(pcs.)
2755	26	40	80	10

2756 Quick Spinner
Disco de giro Rápido



	D (mm)	L (mm)	(g)	(pcs.)
2756	22	20	19	10

2762 Flexible Extension Bar
Alargadera Flexible



	D (mm)	L (mm)	(g)	(pcs.)
2762	13	300	90	2

2760	D (mm)	L (mm)	(g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	35	10
100	12.3	100	44	10
150	12.3	150	63	10
200	12.3	200	83	10
250	12.3	250	103	10
300	12.3	300	122	2
350	12.3	350	145	2
400	12.3	400	160	2
600	12.3	600	240	2

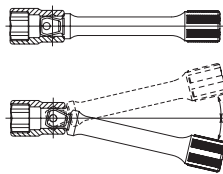
PK2760/6	6 Pieces Set/△=430g
PLASTIC TRAY	
Extension Bars	
2760 Extension Bars 28, 50, 100, 150, 200, 250	



2763	D (mm)	L (mm)	(g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	33	10
100	12.3	100	43	10
150	12.3	150	62	10
200	12.3	200	80	10
250	12.3	250	100	10

PK2763/6	6 Pieces Set/△=420g
PLASTIC TRAY	
Extension Bars	
2763 Wobble-Fix Extension Bar 28, 50, 100, 150, 200, 250	

Wobble-Fix Extension Bar
Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.



Alargadera Articulada-Fija
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

* Renewal Kits → **2768RK** → [P288](#)

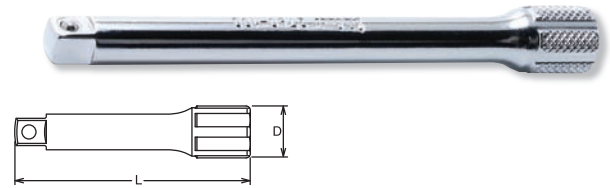
* Renewal Kits → **2768RK** → [P288](#)

* Renewal Kits → **2768RK** → [P288](#)

	D (mm)	L (mm)	(g)	(pcs.)
2768N	14	130	86	10
2768P	14	130	70	10
2768J	14	130	73	5

2760-28 · -50 · -75 · -100 · -150 · -200 · -250 · -300 · -350 · -400 · -600

Extension Bars
Alargaderas

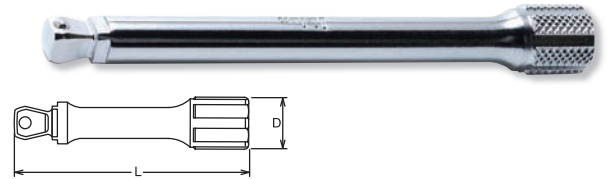


PK2760/6 Set Juego



2763-28 · -50 · -75 · -100 · -150 · -200 · -250

Wobble-Fix Extension Bars
Alargaderas Articuladas-Fijas



PK2763/6 Set Juego



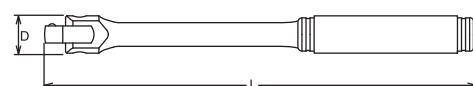
2768N Hinge Handle Mango Articulado



2768P Hinge Handle Mango Articulado



2768J Hinge Handle Mango Articulado



Hand Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

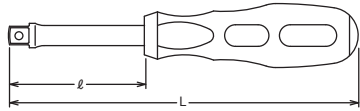
PROTECTOR
PROTECTORES

AUTOMOTIVE


CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

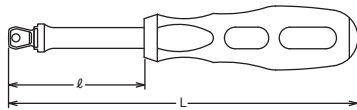
2769N-150 • -220 Spin Type Handle Mango Tipo Destornillador



2769N	ℓ (mm)	L (mm)	(g)	(pcs.)
150	50	150	68	2
220	120	220	100	2

 Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.

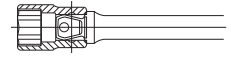
2769NWF-150 • -220 Spin Type Handle(Wobble-Fix) Mango Tipo Destornillador Articulado-Fijos



2769NWF	ℓ (mm)	L (mm)	(g)	(pcs.)
150	50	150	68	2
220	120	220	100	2

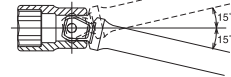
Wobble-Fix Extension Bar

Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

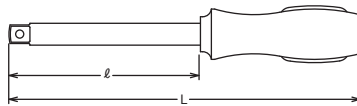


Alargadera Articulada-Fija

Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

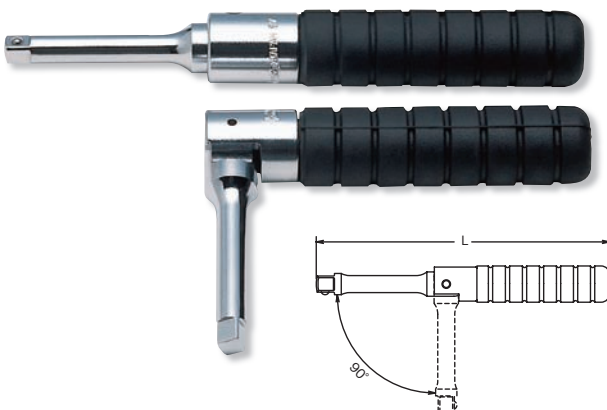


2769F Spin Type Handle Mango Tipo Destornillador



2769F	ℓ (mm)	L (mm)	(g)	(pcs.)
2769F	78	150	90	5

2769H Folding Socket Driver Llave de Vaso Plegable

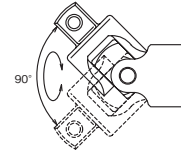
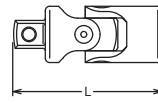


2769H	L (mm)	(g)	(pcs.)
2769H	160	180	10

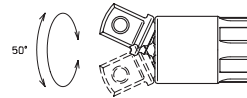
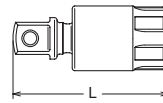
1/4" Hand Sockets

	L (mm)	(g)	(pcs.)
2770	33	20	10
2771	31	20	10

2770 Universal Joint
Articulación Universal

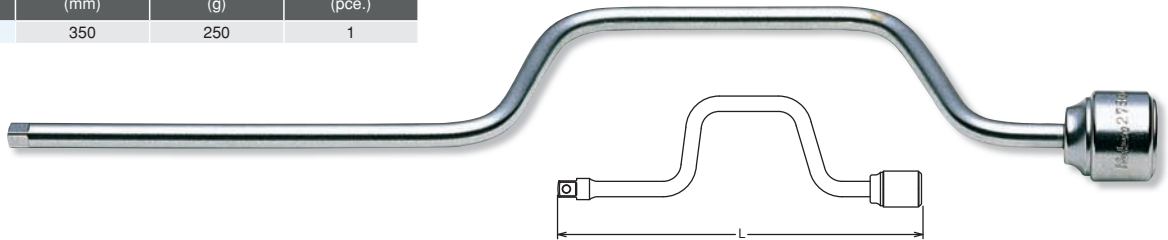


2771 Universal Joint
Articulación Universal

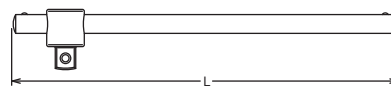


	L (mm)	(g)	(pce.)
2780	350	250	1

2780 Speed Handle
Manivela Rápida



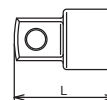
2785 T-Handle
Mango Corredizo



	L (mm)	(g)	(pcs.)
2785	115	36	10

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)
2233A	1/4"	3/8"	22	16	10

2233A Adaptor
Adaptador



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Hand Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS/REPUES TO

CONSTRUCTION
CONSTRUCCION

2201AM Socket Set Juego de Vasos



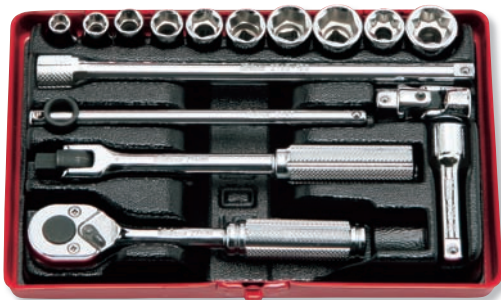
2201AM		25 Pieces Set/△=870g
METAL CASE:W240xH100xT32mm		
Sockets	Accessories	
<p> 2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13</p> <p> 2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2</p>	<p> 2753N</p> <p> 2760-100</p> <p> 2769N-150</p> <p> 2770</p> <p> 2785</p>	

2203M • 2203A Socket Set Juego de Vasos



2203M		12 Pieces Set/△=550g
METAL CASE:W160xH100xT28mm		
Sockets	Accessories	
<p> 2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13</p>	<p> 2769H</p>	
2203A		10 Pieces Set/△=550g
METAL CASE:W160xH100xT28mm		
Sockets	Accessories	
<p> 2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2</p>	<p> 2769H</p>	

2250M • 2250A Socket Set Juego de Vasos



2250M		16 Pieces Set/△=700g
METAL CASE:W160xH100xT28mm		
Sockets	Accessories	
<p> 2400M 6-pt. Sockets 5, 6, 7, 8, 9, 10, 11, 12</p> <p> 2415M Double Square Sockets 8, 10</p>	<p> 2753N</p> <p> 2760-50</p> <p> 2760-150</p> <p> 2768N</p> <p> 2770</p> <p> 2785</p>	

2250A		16 Pieces Set/△=700g
METAL CASE:W160xH100xT28mm		
Sockets	Accessories	
<p> 2400A 6-pt. Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16</p> <p> 2415A Double Square Sockets 1/4, 5/16, 3/8</p>	<p> 2753N</p> <p> 2760-50</p> <p> 2760-150</p> <p> 2768N</p> <p> 2770</p> <p> 2785</p>	

2254M Bit Set Juego de Puntas



2254M		12 Pieces Set/△=450g
METAL CASE:W160xH100xT28mm		
Bits	Accessories	
<p> 101P Phillips Bits 1, 2, 3</p> <p> 101S Slotted Bits 1x7, 1.2x7</p> <p> 101H Hex Bits 3, 4, 5</p>	<p> 102NA-1/4x5/16</p> <p> 2769F</p> <p> 101A</p> <p> 2137</p>	

1/4" Hand Sockets

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPLUSTO

2257M 31 Pieces Set/△△=930g	
METAL CASE:W240×H100×T32mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12	2753N 2760-100 2769N-150 2770 2785
2000.28 Bit Sockets 1, 2, 3, 4	
2005.25 Bit Sockets 4, 5, 6, 8, 9	
2010M.25 Bit Sockets 3, 4, 5, 6, 8, 10	

2257M Socket Set
Juego de Vasos



2260M 28 Pieces Set/△△=2,370g	
METAL CASE: W370×H150×T50mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 10, 12	2753N 2760-50 2760-100 2769N-150
3400M 6-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21	3749N 3760-75 3760-125 3785 3322A

2260M Socket Set
Juego de Vasos



2261M 17 Pieces Set/△△=690g	
METAL CASE:W192×H122×T30mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12	2753N 2760-50 2760-150 2768N 2770 2785

2261M Socket Set
Juego de Vasos



2262M 13 Pieces Set/△△=470g	
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12	2760-50 2768N

2262M Socket Set
Juego de Vasos



2274M 7 Pieces Set/△△=245g	
PLASTIC BAG	
Sockets	
2300M 6-pt. Deep Sockets 6, 7, 8, 9, 10, 11, 12	

2274M · 2274A Socket Set
Juego de Vasos



2274A 7 Pieces Set/△△=245g	
PLASTIC BAG	
Sockets	
2300A 6-pt. Deep Sockets 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	

Hand Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUES

2275 Sockets Set Juego de Vasos



2275		19 Pieces Set/⚖️=880g	
METAL CASE:W192xH122xT30mm			
Sockets		Accessories	
	2400M 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13		2753N
	2000.28 Bit Sockets 1, 2, 3		2763-50
	2005.25 Bit Sockets 6, 8		2769N-150
	2010M.25 Bit Sockets 3, 4, 5, 6		

2276 Sockets Set with Bits and Accessories Juego de vasos con Puntas y Accesorios



2276		19 Pieces Set/⚖️=640g	
METAL CASE:W192xH122xT30mm			
Bits		Accessories	
	108P Phillips Bits 1, 2, 3		2753PS
	108S Slotted Bits 4, 5, 6		2769N-150
	108H Hex Bits 3, 4, 5, 6		2137
	108T TORX® Bits T10, T15, T20, T25, T27, T30		

2277 Sockets Set Juego de Vasos




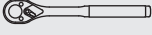
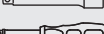



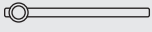
2277		21 Pieces Set/⚖️=1,240g	
METAL CASE:W310xH90xT48mm			
Sockets		Accessories	
	2400M 6-pt. Sockets 5.5, 6, 7, 8, 9, 10, 11, 12, 13		2753N
	2300M 6-pt. Deep Sockets 5.5, 6, 7, 8, 9, 10, 11, 12, 13		2763-75
			2769N-150


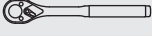




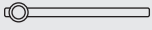
2277A-12P Sockets Set Juego de Vasos


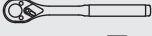



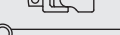



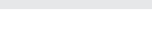



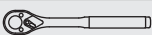

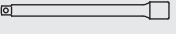



2277A-12P		21 Pieces Set/⚖️=1,240g	
METAL CASE:W310xH90xT48mm			
Sockets		Accessories	
	2405A 12-pt. Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		2753N
	2305A 12-pt. Deep Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		2763-75
			2769N-150

1/4" Hand Sockets

P2201AM		25 Pieces Set/△△=800g	
PLASTIC CASE:W245xH120xT45mm			
Sockets	Accessories		
 2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		2753N	
		2760-100	
 2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		2769N-150	
		2770	
		2785	

P2251M		18 Pieces Set/△△=770g	
PLASTIC CASE:W245xH120xT45mm			
Sockets	Accessories		
 2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		2753N	
		2760-50	
		2760-150	
		2768N	
		2770	
		2785	

P2258M		31 Pieces Set/△△=860g	
PLASTIC CASE:W245xH120xT45mm			
Sockets	Accessories		
 2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13		2753N	
 2000.28 Bit Sockets 1, 2, 3		2760-100	
 2005.25 Bit Sockets 4, 6		2769N-150	
 2010M.25 Bit Sockets 3, 4, 5, 6, 8		2770	
 2025.28 Bit Sockets T10, T15, T20, T25, T30		2785	

P2281A-12P		18 Pieces Set/△△=770g	
PLASTIC CASE:W245xH120xT45mm			
Sockets	Accessories		
 2405A 12-pt. Sockets 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		2753N	
		2760-50	
		2760-150	
		2768N	
		2770	
		2785	

P2201AM Sockets Set / Juego de Vasos



P2251M Sockets Set / Juego de Vasos



P2258M Sockets Set / Juego de Vasos



P2281A-12P Sockets Set / Juego de Vasos



ABS Case - PE foam insert
Caja ABS - espuma polietileno

Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

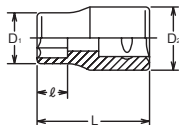
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

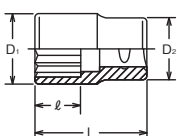
3400M • 3400A

6-point Sockets
Vasos Hexagonales



3405M • 3405A

12-point Sockets
Vasos Bihexagonales



FLAT DRIVE®

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

RS3400M/8 RS3405M/8

Socket Set on Rail
Juego de Vasos en Regleta



RS3400M/12 RS3405M/12

Socket Set on Rail
Juego de Vasos en Regleta



RS3400A/9 RS3405A/9

Socket Set on Rail
Juego de Vasos en Regleta



3400M 3405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5	8.3	17.3	5	26	20	10
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10

3400A 3405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New 3/16	8.3	17.3	5	26	20	10
1/4	10.3	17.3	6	26	20	10
New 9/32	10.8	17.3	6.5	26	20	10
5/16	12	17.3	7	26	22	10
11/32	13.3	17.3	7.5	26	23	10
3/8	13.9	17.3	8	26	23	10
New 13/32	13.3	17.3	7.5	26	23	10
7/16	15.8	17.3	8.5	26	25	10
1/2	18	17	9.5	26	24	10
9/16	19.5	18.5	11	27	31	10
19/32	20.8	19.5	11.5	28	39	10
5/8	22	20	12	28	42	10
11/16	24.5	22.5	13	30	51	10
3/4	25.8	23.5	13.5	30	63	10
25/32	27	24.5	14	31	75	10
13/16	28	26	14.5	32	77	10
7/8	29.5	26.5	15	32	82	10
15/16	32	28.5	16	34	102	10

RS3400M/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		300

RS3405M/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		300

RS3400M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		465

RS3405M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		465

RS3400A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		333

RS3405A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		333

3410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10

RS3410M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		468

3400W 3405W (W)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/8	13.3	17.3	7.5	26	22	10
3/16	15.8	17.3	8.5	26	25	10
1/4	18	17	9.5	26	24	10
5/16	20.8	19.5	11.5	28	39	10
3/8	24.5	22.5	13	30	51	10
7/16	28	26	14.5	32	81	10
1/2	30.8	27.5	15.5	33	103	10
9/16	34.5	30.5	17	35	128	10

BS W	BS · W	BS W	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
			1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
			Across Flat	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94

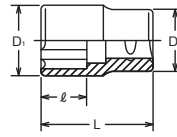
RS3400W/7	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		389

RS3405W/7	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		389

3415M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
6	12	17.3	6	26	26	10
8	14.5	17.3	7	26	26	10
10	16.8	17.3	8	26	27	10
12	20.8	19.5	9	27	43	10

3415A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	12	17.3	6	26	24	10
5/16	14.5	17.3	7	26	26	10
11/32	15.8	17.3	7.5	26	27	10
3/8	16.8	17.3	8	26	27	10
7/16	19.5	18.5	8.5	27	37	10
1/2	22	20	9.5	27	46	10

3410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE

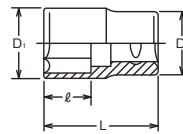
Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

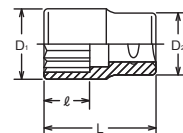
RS3410M/12 Socket Set on Rail Juego de Vasos en Regleta



3400W 6-point Whitworth Sockets Vasos Hexagonales Whitworth



3405W 12-point Whitworth Sockets Vasos Bihexagonales Whitworth

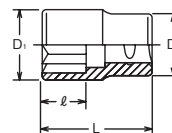


RS3400W/7 Socket Set on Rail Juego de Vasos en Regleta

RS3405W/7



3415M · 3415A Double Square Sockets Vasos Octagonales



Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

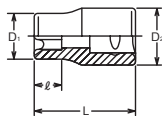
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUÉS

3425 TORX® Sockets Vasos TORX®



3425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E 4	5.6	17.3	4.6	26	18	10
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E11	13.3	17.3	8.7	26	25	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18	17	11.8	26	27	10

TORX® (E)



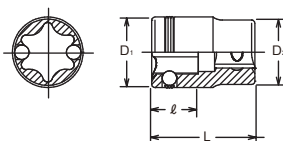
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

RS3425/9 Socket Set on Rail Juego de Vasos en Regleta



RS3425/9	9 Pieces Set/Rail 200mm	(g)
E4, E5, E6, E7, E8, E10, E12, E14, E16		239

3425(2B) TORX® Sockets Nut Grip® Vasos TORX® Nut Grip®



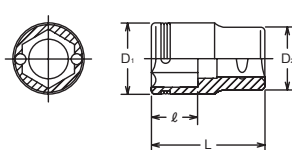
3425 (2B)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E10	12	17.3	8.2	26	23	10
E12	14.5	17.3	9.3	26	25	10
E14	15.8	17.3	10.6	26	26	10
E16	18.1	17	11.8	26	27	10
E18	19.5	18.5	12	32	41	10
E20	21.9	20	14.4	32	52	10

RS3425/4(2B) Socket Set on Rail Juego de Vasos en Regleta



RS3425/4(2B)	4 Pieces Set/Rail 150mm	(g)
E10, E12, E14, E20		150

3450M Nut Grip Sockets Nut Grip® Vasos Sujeta-tuercas Nut Grip®



3450M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	5	26	21	10
10	14.5	17.3	6	26	24	10
11	15.8	17.3	6.5	26	26	10
12	16.8	17.3	7	26	26	10
13	18	17	8	26	28	10
14	19.5	18.5	8.5	27	34	10
15	20.8	19.5	9	27	42	10
16	22	20	9	27	50	10
17	23.3	21.5	9.5	28	62	10
18	24.5	22.5	10.5	29	64	10
19	25.8	23.3	11.5	29	66	10
21	28	26	12	29	85	10
22	29.5	27	12.5	29	90	10
24	32	30	14.5	31	102	10

RS3450M/8 Socket Set on Rail Juego de Vasos en Regleta



RS3450M/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		310

RS3450M/10 Socket Set on Rail Juego de Vasos en Regleta



RS3450M/10	10 Pieces Set/Rail 250mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		500

3/8" Hand Sockets

3400LH (LH-S)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5S	10.8	17.3	5	26	20	10
6S	12	17.3	5.6	26	22	10
8S	15.8	17.3	6.8	26	25	10
10S	18	17	8	26	25	10
12S	22	20	9.2	28	42	10
14S	24.5	22.5	10.4	30	51	10
16S	28	26	11.6	32	77	10

RS3400LH/7	7 Pieces Set/Rail 150mm	(g)
5S, 6S, 8S, 10S, 12S, 14S, 16S		315

3300X 3305X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	9	26.5	40	34	10
9	13	17.3	10	26.5	40	36	10
10	14.5	17.3	11	26.5	40	36	10
11	16	17.2	12	26.5	40	36	10
12	16.8	17.2	13	26.5	40	36	10
13	18	17	14	26.5	40	37	10
14	20	18	16	26.5	40	46	10
15	21	20	16	25.5	40	49	10
16	22	20	17	25.5	40	51	10
17	23.5	22	18	25.5	40	61	10
18	24.5	23	19	24.5	40	68	10
19	25	24	20	24.5	40	75	10

3300XA 3305XA (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10.3	17.3	7	26.5	40	32	10
5/16	12	17.3	9	26.5	40	34	10
3/8	13.9	17.3	11	26.5	40	36	10
7/16	16	17.2	12	26.5	40	36	10
1/2	18	17	14	26.5	40	37	10
9/16	20	18.5	16	26.5	40	46	10
5/8	22	20	17	25.5	40	51	10
11/16	24.5	22.5	19	24.5	40	68	10
3/4	25	23.5	20	24.5	40	75	10

RS3300X/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		405

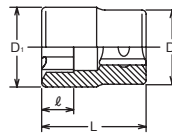
RS3305X/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		405

RS3300XA/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		460

RS3305XA/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		460

3350X	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 8	12	17.4	5	26.5	40	33	10
New 10	14.5	17.4	6	26.5	40	35	10
New 12	16.8	17.2	7	26.5	40	40	10
New 14	19.5	18.5	8.5	26.5	40	48	10

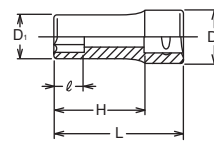
3400LH LHS Sockets Vasos LHS



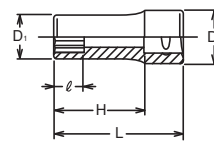
RS3400LH/7 Socket Set on Rail Juego de Vasos en Regleta



3300X · 3300XA 6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos



3305X · 3305XA 12-point Sockets, Semi-Deep Vasos Bihexagonales, Medianos



RS3300X/8 Socket Set on Rail Juego de Vasos en Regleta

RS3305X/8

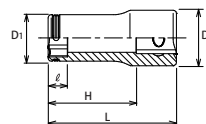


RS3300XA/9 Socket Set on Rail Juego de Vasos en Regleta

RS3305XA/9



3350X Nut Grip® Socket, Semi-Deep Vasos Sujeta-tuercas Nut Grip®. Medianos



Hand Sockets 3/8"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

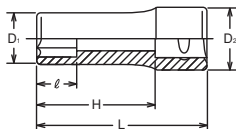
PROTECTOR
PROTECTORES

AUTOMOTIVE

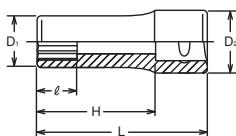
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

3300M • 3300A 6-point Deep Sockets Vasos Hexagonales Largos



3305M • 3305A 12-point Deep Sockets Vasos Bihexagonales Largos



RS3300M/8 Socket Set on Rail Juego de Vasos en Regleta

RS3305M/8



RS3300M/12 Socket Set on Rail Juego de Vasos en Regleta

RS3305M/12



RS3300A/9 Socket Set on Rail Juego de Vasos en Regleta

RS3305A/9



3300M 3305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	8.9	17.3	6.5	41.5	55	37	10
6	9.9	17.3	7	41.5	55	37	10
7	10.6	17.3	8	41.5	55	37	10
8	12	17.3	9	41.5	55	40	10
9	13	17.3	10	41.5	55	42	10
10	14.5	17.3	11	41.5	55	46	10
11	16	17.2	12	41.5	55	51	10
12	16.8	17.2	13	41.5	55	52	10
13	18	17	14	41.5	55	53	10
14	20	18	16	41.5	55	60	10
15	21	20	16	40.5	55	74	10
16	22	20	17	40.5	55	76	10
17	23.5	22	18	40.5	55	93	10
18	24.5	23	19	39.5	55	98	10
19	25	24	20	39.5	55	98	10
20	26	25	21	49.5	65	126	10
21	27	26	22	49.5	65	126	10
22	29	28	23	48.5	65	163	10
23	30	29	24	48.5	65	168	10
24	31	30	25	47.5	65	191	10
25	33	30	26	47.5	65	199	10
26	34	31	27	47.5	65	209	10
27	35	32.5	28	47.5	65	218	10

3300A 3305A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7/32	8.9	17.3	6	41.5	55	35	10
1/4	9.9	17.3	7	41.5	55	37	10
5/16	12	17.3	9	41.5	55	40	10
11/32	12.3	17.3	10	41.5	55	41	10
3/8	14	17.3	11	41.5	55	46	10
7/16	16	17.2	12	41.5	55	51	10
1/2	18	17	14	41.5	55	53	10
9/16	20	18	16	41.5	55	60	10
19/32	21	20	16	40.5	55	74	10
5/8	22	20	17	40.5	55	76	10
11/16	23.5	22	18	40.5	55	93	10
3/4	25	24	20	39.5	55	98	10
13/16	27	26	22	49.5	65	126	10
7/8	29	28	23	48.5	65	163	10
15/16	31	30	25	47.5	65	191	10

RS3300M/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		540

RS3305M/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		540

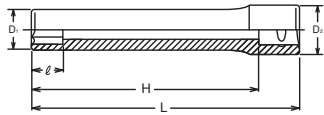
RS3300M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		878

RS3305M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		878

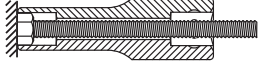
RS3300A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		628

RS3305A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		628

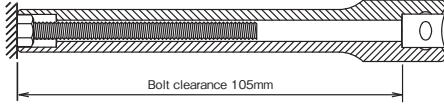
3/8" Hand Sockets



3300M-Size DEEP SOCKET



3300M-Size(L120) EXTRA DEEP SOCKET



3300M(L120) 3305M(L120) (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	9	106.5	120	85	10
10	14.5	17.3	11	106.5	120	110	10
12	16.8	17.2	13	106.5	120	116	10
13	18	17	14	106.5	120	155	5
14	20	18	16	106.5	120	166	5

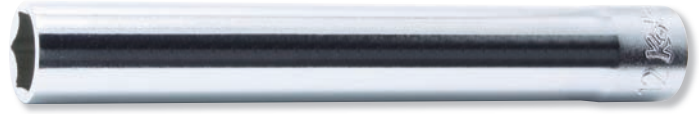
3300M/4-L120	4 Pieces Set/△=477g
PLASTIC BAG	
Sockets	
3300M(L120) 6-point Extra Deep Sockets	
8, 10, 12, 14	
3305M/4-L120	4 Pieces Set/△=477g
PLASTIC BAG	
Sockets	
3305M(L120) 12-point Extra Deep Sockets	
8, 10, 12, 14	

3310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.9	17.3	7	41.5	55	37	10
7	10.6	17.3	8	41.5	55	37	10
8	12	17.3	9	41.5	55	40	10
9	13	17.3	10	41.5	55	42	10
10	14.5	17.3	11	41.5	55	46	10
11	16	17.2	12	41.5	55	51	10
12	16.8	17.2	13	41.5	55	52	10
13	18	17	14	41.5	55	53	10
14	20	18	16	41.5	55	60	10
15	21	20	16	40.5	55	74	10
16	22	20	17	40.5	55	76	10
17	23.5	22	18	40.5	55	93	10
18	24.5	23	19	39.5	55	98	10
19	25	24	20	39.5	55	98	10
20	26	25	21	49.5	65	126	10
21	27	26	22	49.5	65	126	10
22	29	28	23	48.5	65	163	10
23	30	29	24	48.5	65	168	10
24	31	30	25	47.5	65	161	10

RS3310M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		881

3300M (L120)

6-point Extra Deep Sockets
Vasos Hexagonales Extra-Largos



3305M (L120)

12-point Extra Deep Sockets
Vasos Bihexagonales Extra-Largos



3300M/4-L120

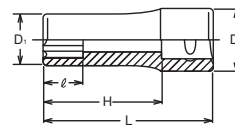
Socket Set
Juego de Vasos

3305M/4-L120



3310M

Surface Drive Deep Sockets
Vasos Surface Drive (de Contacto Curvo) Largos



RS3310M/12

Socket Set on Rail
Juego de Vasos en Regleta



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE HEZAS/REUESTO

Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

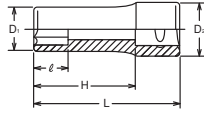
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

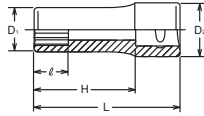
RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

3300W 6-point Deep Whitworth Sockets Vasos Whitworth Hexagonales Largos



3300W 3305W (W)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	12.3	17.3	10	41.5	55	46	10
3/16	16	17.3	12	41.5	55	55	10
1/4	18	17	14	41.5	55	57	10
5/16	21	20	16	40.5	55	79	10
3/8	24.5	23	19	39.5	55	96	10
7/16	27	26	22	49.5	65	140	10
1/2	30	29	24	48.5	65	193	10
9/16	34	31	27	47.5	65	250	10

3305W 12-point Deep Whitworth Sockets Vasos Whitworth Bihexagonales Largos



BS W



BS-W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
Across Flat	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

RS3300W/7 Socket Set on Rail Juego de Vasos en Regleta

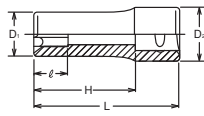
RS3305W/7 Socket Set on Rail



RS3300W/7	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		719

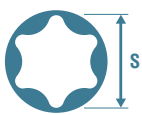
RS3305W/7	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		719

3325 TORX® Deep Sockets Vasos TORX® Largos



3325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	5.6	17.3	4.6	41.5	55	29	10
E 5	6.9	17.3	5.2	41.5	55	31	10
E 6	7.9	17.3	5.4	41.5	55	33	10
E 7	8.9	17.3	6.6	41.5	55	36	10
E 8	9.9	17.3	7	41.5	55	39	10
E10	11.8	17.3	8.2	41.5	55	43	10
E12	14.5	17.2	9.3	41.5	55	53	10
E14	15.7	17.2	10.6	41.5	55	57	10
E16	18	17	11.8	41.5	55	69	10

TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	
S	(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

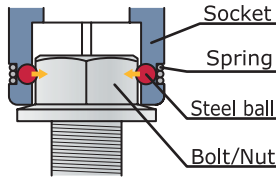
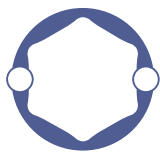
RS3325/9 Socket Set on Rail Juego de Vasos en Regleta



RS3325/9	9 Pieces Set/Rail 200mm	(g)
E4, E5, E6, E7, E8, E10, E12, E14, E16		420

3350M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	5	41.5	55	50	10
10	14.5	17.4	6	41.5	55	54	10
12	16.8	17.2	7	41.5	55	58	10
13	18	17	8	41.5	55	59	10
14	19.5	18.5	8.5	41.5	55	71	10

RS3350M/5	5 Pieces set/Rail 150mm	(g)
8, 10, 12, 13, 14		322



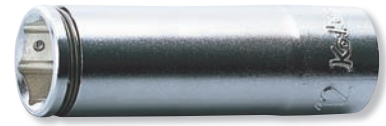
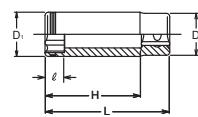
3350M(L120) (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	14.5	17.2	6	106.5	120	110	10
12	16.8	17.2	7	106.5	120	116	10

3350M/2-L120	2 Pieces Set/≈230g
PLASTIC BAG	
Sockets	
3350M(L120) Nut Grip Extra Deep Sockets 10, 12	

3300FN (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	S (mm)	(g)	(pcs.)
8	14.5	17.3	6	53	6.4	38	10
9	16	17.3	7	53	6.8	41	10
10	16.8	17.2	7.5	53	7.2	42	10
11	18	17	8.5	53	8.3	42	10
12	20	18	9	53	8.8	50	10
13	21.1	20	9.5	62	9.4	66	10
14	22	20	10.5	62	10.5	66	10
15	23	22	11	70	11.5	82	10
16	24	23	11.5	70	12	90	10
17	25	24	12.5	80	13	110	10
18	27	25	13	80	13.5	120	10
19	28	26	14	80	14.5	130	10
New 22	32	29.5	16	80	16	180	10
New 24	34.5	31.5	17	80	17	200	10

RS3300FN/6	6 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14, 17, 19		450

3350M Nut Grip Deep Sockets Vasos Sujeta-tuerzas Largos Nut Grip®



RS3350M/5 Socket Set on Rail Juego de Vasos en Regleta



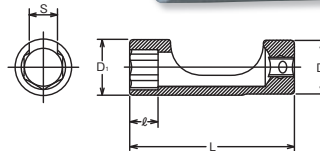
3350M (L120) Extra Deep Sockets Vasos Extra-Largos Nut Grip®



3350M/2-L120 Socket Set Juego de Vasos



3300FN Flare Nut Sockets Llaves de vaso para entubar



RS3300FN/6 Socket Set on Rail Juego de Vasos en Regleta



Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

3440M • 3440A 6-point Universal Sockets Vasos Hexagonales Universal



3440M 3445M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	12	19	7.3	47	50	10
9	13.3	19	7.8	47.5	50	10
10	14.5	19	8.8	48.5	64	10
11	15.8	19	9.8	49.5	66	10
12	17	19	10.3	50	67	10
13	18.3	19	11.3	51	68	10
14	19.5	19	11.3	51	69	10
15	20.8	19	12.8	53.5	70	10
16	22	19	12.8	53.5	77	10
17	23.3	19	13.8	54.5	80	10
18	24.5	19	13.8	54.5	80	10
19	25.8	19	15.8	56.5	84	10
21	28.3	19	16.8	56.5	96	10

3445M • 3445A 12-point Universal Sockets Vasos Bihexagonales con Articulación Universal



3440A 3445A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5/16	12	19	7.3	47	50	10
3/8	14	19	8.3	48	64	10
7/16	15.8	19	9.8	49.5	66	10
1/2	18.3	19	11.3	51	68	10
9/16	19.5	19	11.3	51	69	10
5/8	22	19	12.8	53.5	77	10
11/16	24.5	19	13.8	54.5	80	10
3/4	25.8	19	15.8	56.5	84	10

RS3440M/8 Socket Set on Rail Juego de Vasos en Regleta

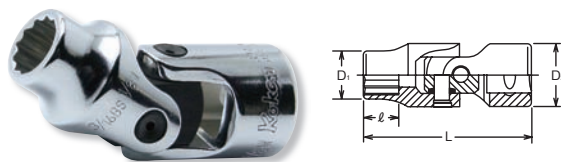
RS3440A /8 Socket Set on Rail Juego de Vasos en Regleta



RS3440M/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		550

RS3440A/8	8 Pieces Set/Rail 200mm	(g)
5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		570

3445W 12-point Whitworth Universal Socket Vasos Whitworth Bihex con Articulación Universal



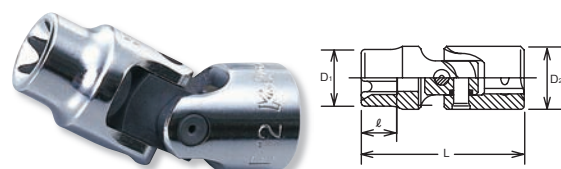
3445W (W)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/8	13.3	19	7.8	47.5	50	10
3/16	15.8	19	9.7	49.5	66	10
1/4	18.3	19	11.3	51	68	10
5/16	20.8	19	12.8	53.5	70	10
3/8	24.5	19	13.8	54.5	80	10
7/16	28.3	19	16.8	57.5	96	10
1/2	30.8	19	17.8	58.5	105	10

RS3445W/7 Socket Set on Rail Juego de Vasos en Regleta



RS3445W/7	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		570

3440T TORX® Universal Sockets Vasos TORX® con Articulación Universal



3440T (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E 6	7.9	19	5.4	44.9	60	10
E 8	9.9	19	7	46.5	63	10
E10	11.8	19	8.2	47.7	63	10
E12	14.5	19	9.3	48.8	68	10
E14	15.7	19	10.6	50.1	68	10
E16	18	19	11.8	51.3	70	10
E18	19.5	19	13	53.5	78	10
E20	22	19	14.4	54.9	81	10

RS3440T/8 Socket Set on Rail Juego de Vasos en Regleta



RS3440T/8	8 Pieces Set/Rail 200mm	(g)
E6, E8, E10, E12, E14, E16, E18, E20		594

3441M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	12	19	5	46	57	10
10	14.5	19	6	46	58	10
12	16.8	19	7	47	58	10
13	18	19	8	48	60	10
14	19.5	19	8.5	49.5	65	10



RS3441M/5	5 Pieces Set/Rail 150mm	(g)
	8, 10, 12, 13, 14	320

3340M.75 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	19	9	39	75	82	10
10	14.5	19	11	39	75	87	10
11	15.8	19	12	39	75	87	10
12	17	19	13	39	75	92	10
13	18.3	19	14	36	75	93	10
14	19.5	19	15	35	75	103	10
15	20.8	19	16	35	75	104	10
16	22	19	17	34	75	110	10
17	23.3	19	18	34	75	115	10
18	24.5	19	19	34	75	119	10
19	25.8	19	20	33	75	123	10

RS3340M/8-L75	8 Pieces Set/Rail 200mm	(g)
	8, 10, 11, 12, 13, 14, 17, 19	810

3430M (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5	19	15.5	62	66	10
6	19	15.5	62	70	10
7	19	15.5	62	72	10
8	19	15.5	62	74	10
10	19	15.5	62	78	10
12	19	15.5	62	85	10

RS3430M/6	6 Pieces Set/Rail 150mm	(g)
	5, 6, 7, 8, 10, 12	470

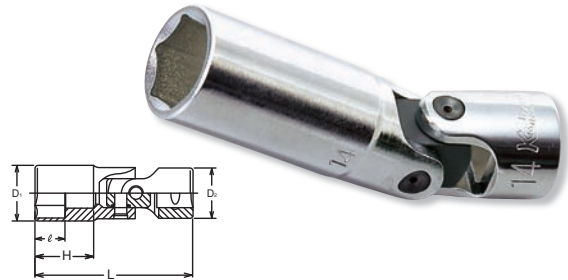
3441M Nut Grip Universal Sockets Nut Grip® Vasos Sujeta-Tuercas con Articulación Universal



RS3441M/5 Socket Set on Rail Juego de Vasos en Regleta



3340M-75 Universal Deep Sockets Vasos Largos con Articulación Universal



RS3340M/8-L75 Socket Set on Rail Juego de Vasos en Regleta



3430M Universal Inhex Bit Sockets Vasos Inhex con Articulación Universal



RS3430M/6 Socket Set on Rail Juego de Vasos en Regleta



Hand Sockets 3/8"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

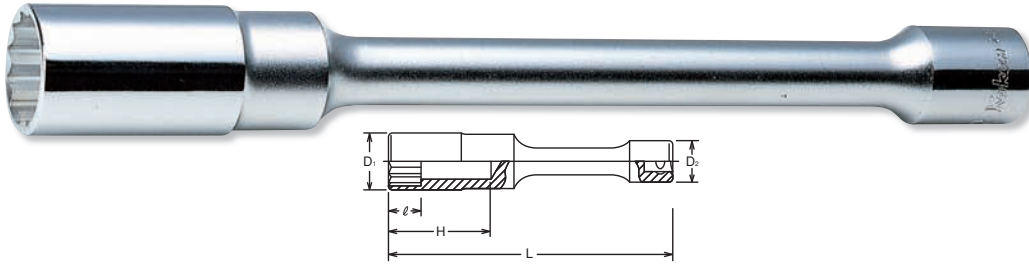
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3117M-125 · -250

Extension Deep Sockets
Vasos con Alargadera



3117M.125 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pce.)
10	14.5	18	10	44	125	121	1
11	16	18	11	44	125	133	1
12	17	18	12	44	125	133	1
13	18	18	13	44	125	134	1
14	19.5	18	14	44	125	145	1
17	23.5	18	17	44	125	178	1
19	25	18	19	44	125	187	1
21	27	18	21	44	125	195	1
22	29	18	22	44	125	214	1

3117M.250 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pce.)
10	14.5	18	10	44	250	233	1
11	16	18	11	44	250	241	1
12	17	18	12	44	250	246	1
13	18	18	13	44	250	249	1
14	19.5	18	14	44	250	262	1
17	23.5	18	17	44	250	289	1
19	25	18	19	44	250	298	1
21	27	18	21	44	250	302	1
22	29	18	22	44	250	325	1

3000-60 (PH)

Phillips Bit Sockets
Vasos con Punta Phillips



3000 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	18	33.5	60	49	10
2	18	33.5	60	49	10
3	18	33.5	60	49	10
4	18	33.5	60	50	10

3000-50 (PZ)

PZ Bit Sockets
Vasos con Punta PZ



3000.50 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ1	18	23.5	50	50	10
PZ2	18	23.5	50	50	10
PZ3	18	23.5	50	50	10

3005-60

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada



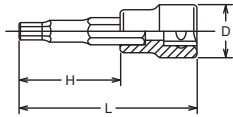
3005	TxW (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0x 5.5	18	33.5	60	47	10
8	1.2x 8	18	33.5	60	49	10
10	1.6x10	20	33.5	60	85	10

	Phillips (PH)	PZ	Slotted	HEX	HEX (ball point)	Triple Square (XZN)	TORX® (T)	TORX® (TH)	TORXplus® (IP)	Penta-Lobe (PR)	Ribe-CV
1/4"	No.2000 series	No.2000(PZ) series	No.2005 series	No.2010M/A series	No.2011M series	No.2020 series	No.2025 series	No.2025(TH) series	No.2025(IP) series	No.2025(PR) series	—
3/8"	No.3000 No.3001 series	No.3000(PZ) series	No.3005 No.3006 series	No.3010M/A No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(PR) series	No.3027 series
1/2"	No.4000 No.4001 series	No.4000(PZ) series	No.4005 No.4006 series	No.4010M/A No.4012M/A series	—	No.4020 series	No.4025 series	—	No.4025(IP) series	—	No.4027 series

3/8" Hand Sockets

3010M-38 · -62 · -100 · -160
3010A-50

 Inhex Bit Sockets
Vasos con Punta Hexagonal



3010M.38 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	11.5	38	27	10
4	18	11.5	38	28	10
5	18	11.5	38	30	10
6	18	11.5	38	31	10
7	18	11.5	38	32	10
8	18	11.5	38	33	10
9	20	11.5	38	47	10
10	20	11.5	38	48	10
11	20	11.5	38	59	10
12	20	11.5	38	60	10
13	22	11.5	38	76	5
14	22	11.5	38	78	5

3010M.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	73.5	100	58	10
4	18	73.5	100	60	10
5	18	73.5	100	63	10
6	18	73.5	100	64	10
7	18	73.5	100	66	10
8	18	73.5	100	69	10
9	20	73.5	100	100	10
10	20	73.5	100	102	10
11	20	73.5	100	129	10
12	20	73.5	100	131	10
13	22	73.5	100	158	5
14	22	73.5	100	160	5

3010M.62 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	48	10
6	18	35.5	62	49	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
9	20	35.5	62	75	10
10	20	35.5	62	76	10
11	20	35.5	62	92	10
12	20	35.5	62	94	10
13	22	35.5	62	107	5
14	22	35.5	62	109	5

3010M.160 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	133.5	160	84	10
4	18	133.5	160	86	10
5	18	133.5	160	89	10
6	18	133.5	160	90	10
7	18	133.5	160	92	10
8	18	133.5	160	95	10
9	20	133.5	160	125	10
10	20	133.5	160	128	10
11	20	133.5	160	153	10
12	20	133.5	160	157	10
13	22	133.5	160	237	5
14	22	133.5	160	239	5

3010A.50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 1/8	18	23.5	50	35	10
New 5/32	18	23.5	50	36	10
New 3/16	18	23.5	50	36	10
New 7/32	18	23.5	50	38	10
New 1/4	18	23.5	50	40	10
New 9/32	18	23.5	50	42	10
New 5/16	18	23.5	50	44	10
New 11/32	20	23.5	50	59	10
New 3/8	20	23.5	50	60	10
New 7/16	20	23.5	50	74	10
New 1/2	22	23.5	50	91	5

RS3010M/8-L38	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12	322	
RS3010M/8-L62	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12	490	
RS3010M/8-L100	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12	645	
RS3010A/8-L50	8 Pieces Set/Rail 200mm	(g)
1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2	400	

RS3010M/8-L38

 Socket Set on Rail
Juego de Vasos en Regleta

RS3010M/8-L62



RS3010M/8-L100



RS3010A/8-L50





HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

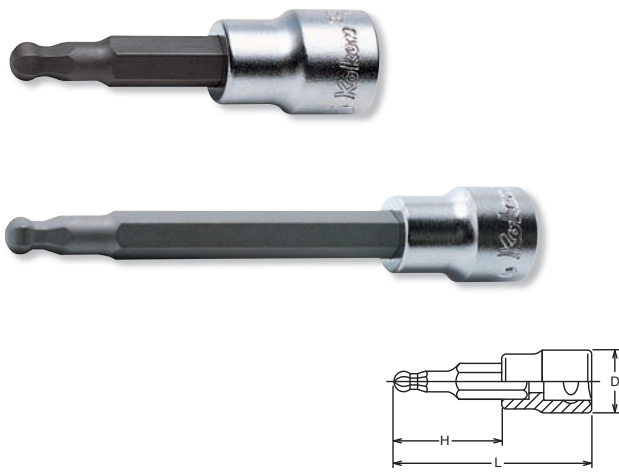
CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **3/8"**

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

3011M-62 · -100 · -120 · -160 Ballpoint Inhex Sockets Vasos con Punta de Bola Inhex




3011M.62 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	35.5	62	45	10
4	18	35.5	62	46	10
5	18	35.5	62	48	10
6	18	35.5	62	49	10
7	18	35.5	62	50	10
8	18	35.5	62	51	10
New 10	20	35.5	62	66	10
New 12	20	35.5	62	79	10

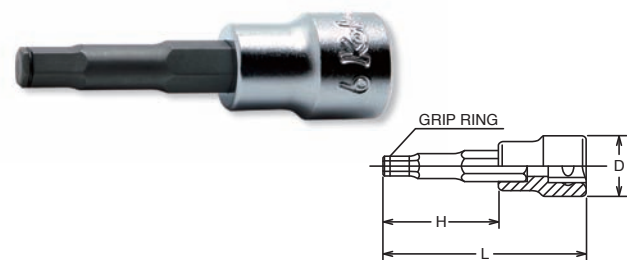
3011M.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	73.5	100	61	10
4	18	73.5	100	62	10
5	18	73.5	100	64	10
6	18	73.5	100	65	10
7	18	73.5	100	67	10
8	18	73.5	100	68	10

3011M.120 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	93.5	120	77	10
4	18	93.5	120	78	10
5	18	93.5	120	80	10
6	18	93.5	120	81	10
7	18	93.5	120	83	10
8	18	93.5	120	84	10

3011M.160 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	133.5	160	87	10
4	18	133.5	160	88	10
5	18	133.5	160	89	10
6	18	133.5	160	91	10
7	18	133.5	160	93	10
8	18	133.5	160	95	10

 Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.

3015M-62 · -100 Inhex Bit Sockets, Grip Ring Vasos con Punta Hexagonal, Grip Ring



3015M.62 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	50	10
6	18	35.5	62	50	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
10	20	35.5	62	75	10
12	20	35.5	62	95	10

3015M.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	73.5	100	60	10
4	18	73.5	100	60	10
5	18	73.5	100	65	10
6	18	73.5	100	65	10
7	18	73.5	100	70	10
8	18	73.5	100	70	10
10	20	73.5	100	105	10
12	20	73.5	100	135	10

Grip Ring holds hex screws

RS3015M/8-L62 Socket Set on Rail Juego de Vasos en Regleta

RS3015M/8-L100



RS3015M/8-L62	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		500

RS3015M/8-L100	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		650

3/8" Hand Sockets

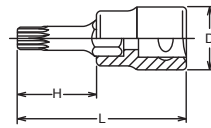
3020-38 · -50 · -100 · -120  XZN Bit Sockets
Vasos con punta XZN

3020.38 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	18	11.5	38	32	10
M 6	18	11.5	38	33	10
M 8	18	11.5	38	36	10
M10	20	11.5	38	51	10
M12	20	11.5	38	52	10
M14	22	11.5	38	74	10


3020.50 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	23.5	50	35	10
M 5	18	23.5	50	37	10
M 6	18	23.5	50	39	10
M 8	18	23.5	50	40	10
M10	20	23.5	50	65	10
M12	20	23.5	50	69	10
M14	22	23.5	50	75	10

3020.100 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	73.5	100	57	10
M 5	18	73.5	100	59	10
M 6	18	73.5	100	61	10
M 8	18	73.5	100	62	10
M10	20	73.5	100	99	10
M12	20	73.5	100	103	10
M14	22	73.5	100	145	5

3020.120 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	93.5	120	77	10
M 5	18	93.5	120	79	10
M 6	18	93.5	120	81	10
M 8	18	93.5	120	82	10
M10	20	93.5	120	119	10
M12	20	93.5	120	123	10
M14	22	93.5	120	165	5



XZN



XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S	(ref. mm)	3.60	4.80	6.00	7.20	9.60	11.41	13.22	15.63	16.85

RS3020/6-L38	6 Pieces Set/Rail 150mm	(g)
M5, M6, M8, M10, M12, M14		308

RS3020/6-L38  Socket Set on Rail
Juego de Vasos en Regleta



RS3020/7-L50	7 Pieces Set/Rail 200mm	(g)
M4, M5, M6, M8, M10, M12, M14		400

RS3020/7-L50  Socket Set on Rail
Juego de Vasos en Regleta



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Hand Sockets 3/8"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

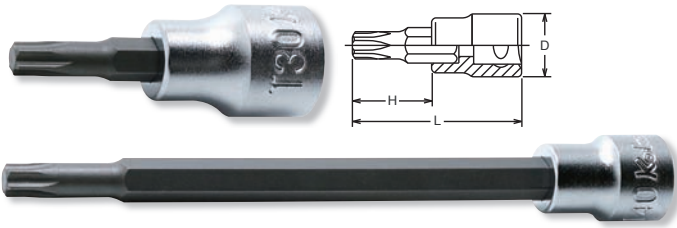
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUËSTO

3025-38 · -50 · -140 (T)

 TORX® Bit Sockets
Vasos con Punta TORX®

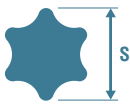


3025.50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 9	18	23.5	50	36	10
T10	18	23.5	50	36	10
T15	18	23.5	50	36	10
T20	18	23.5	50	36	10
T25	18	23.5	50	37	10
T27	18	23.5	50	37	10
T30	18	23.5	50	38	10
T40	18	23.5	50	39	10
T45	18	23.5	50	41	10
T50	20	23.5	50	55	10
T55	20	23.5	50	67	10

3025.38 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 9	18	11.5	38	32	10
T10	18	11.5	38	32	10
T15	18	11.5	38	33	10
T20	18	11.5	38	33	10
T25	18	11.5	38	33	10
T27	18	11.5	38	33	10
T30	18	11.5	38	33	10
T40	18	11.5	38	34	10
T45	18	11.5	38	37	10
T50	20	11.5	38	49	10
T55	20	11.5	38	57	10

3025.140 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 9	18	113.5	140	75	10
T10	18	113.5	140	75	10
T15	18	113.5	140	75	10
T20	18	113.5	140	75	10
T25	18	113.5	140	76	10
T27	18	113.5	140	76	10
T30	18	113.5	140	77	10
T40	18	113.5	140	78	10
T45	18	113.5	140	80	10
T50	20	113.5	140	94	10
T55	20	113.5	140	106	10

TORX®
(T)



T	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S (ref. mm)	2.30	2.48	2.72	3.26	3.84	4.40	4.96	5.49	6.60	7.77	8.79	11.17	13.20	15.49	17.51	19.88	22.09

RS3025/8-L38



 Socket Set on Rail
Juego de Vasos en Regleta

RS3025/8-L50



RS3025/8-L38	8 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40, T45		300

RS3025/8-L50	8 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40, T45		320

3025-50-T35



Bit Socket
Vasos con Punta

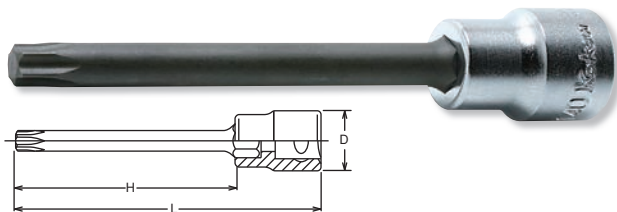


3025.50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T35	18	23.5	50	39	10

3025-100R (T)



TORX® Bit Sockets, Round Shaft
Vasos con Punta TORX®



3025.100R (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20	18	73.5	100	38	10
T25	18	73.5	100	40	10
T27	18	73.5	100	42	10
T30	18	73.5	100	45	10
T40	18	73.5	100	52	10
T45	18	73.5	100	73	10
T50	20	73.5	100	80	10
T55	20	73.5	100	106	10

RS3025/8-L100R



 Socket Set on Rail
Juego de Vasos en Regleta



RS3025/8-L100R	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		490

3025.50 (TH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10H	18	23.5	50	37	10
T15H	18	23.5	50	38	10
T20H	18	23.5	50	38	10
T25H	18	23.5	50	38	10
T27H	18	23.5	50	38	10
T30H	18	23.5	50	39	10
T40H	18	23.5	50	40	10
T45H	18	23.5	50	41	10
T50H	20	23.5	50	61	10
T55H	20	23.5	50	61	10

3025.160 (TH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T25H	18	133.5	160	83	10
T27H	18	133.5	160	83	10
T30H	18	133.5	160	84	10
T40H	18	133.5	160	85	10
T45H	18	133.5	160	86	10
T50H	20	133.5	160	128	10
T55H	20	133.5	160	128	10

RS3025/9-HOLE	9 Pieces Set/Rail 200mm	(g)
T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H		405

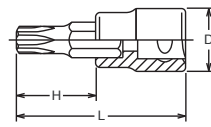
3247	4 Pieces Set/385g
PLASTIC BAG	
Sockets	
3025.160 Tamper-Resistant TORX® Bit Sockets T27H, T30H, T40H, T50H	

3025.100R (TH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20H	18	73.5	100	38	10
T25H	18	73.5	100	40	10
T27H	18	73.5	100	42	10
T30H	18	73.5	100	45	10
T40H	18	73.5	100	52	10
T45H	18	73.5	100	73	10
T50H	20	73.5	100	80	10
T55H	20	73.5	100	106	10

RS3025/8-L100RH	8 Pieces Set/Rail 200mm	(g)
T20H, T25H, T27H, T30H, T40H, T45H, T50H, T55H		490

3025-50 · -160 (TH) ⚠

Tamper-Resistant TORX® Bit Sockets
Vasos con Punta TORX® Indeformable



⚠ Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.
Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su correcta utilización.



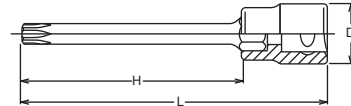
RS3025/9-HOLE Socket Set on Rail Juego de Vasos en Regleta



3247 Bit Socket Set Juego de Vasos con Punta



3025-100R (TH) Tamper-Resistant TORX® Bit Sockets, Round Shaft Vasos con Punta TORX® Indeformable



RS3025/8-L100RH Socket Set on Rail Juego de Vasos en Regleta



Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUES

3025-50 (IP)

 TORX PLUS® Bit Sockets
Vasos con Punta TORX PLUS®



3025.50 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10IP	18	23.5	50	38	10
15IP	18	23.5	50	38	10
20IP	18	23.5	50	38	10
25IP	18	23.5	50	38	10
27IP	18	23.5	50	40	10
30IP	18	23.5	50	40	10
40IP	18	23.5	50	41	10
45IP	18	23.5	50	41	10
50IP	20	23.5	50	61	10
55IP	20	23.5	50	61	10

TORXplus®
(IP)



IP	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S (ref. mm)	2.29	2.48	2.72	3.25	3.84	4.39	4.95	5.49	6.60	7.77	8.79	11.16	13.20	15.49

RS3025/8-IP

 Socket Set on Rail
Juego de Vasos en Regleta



RS3025/8-IP	8 Pieces Set/Rail 200mm	(g)
20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP		370

RSX025/11-IP

 Socket Set on Rail
Juego de Vasos en Regleta



RSX025/11-IP	11 Pieces Set/Rail 200mm	(g)
2025.28(IP)	10IP, 15IP, 20IP, 25IP, 27IP	480
3025.50(IP)	30IP, 40IP, 45IP, 50IP	
4025.60(IP)	55IP, 60IP	

$1/4" + 3/8" + 1/2"$

3025-50 (PR)

 Penta-Lobe Bit Sockets, with Hole
Vasos con Punta de Cinco Lóbulos, con agujero



3025.50 (PR)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10PR	18	23.5	50	38	10
15PR	18	23.5	50	38	10
20PR	18	23.5	50	38	10
25PR	18	23.5	50	38	10
27PR	18	23.5	50	40	10
30PR	18	23.5	50	40	10
40PR	18	23.5	50	41	10
45PR	18	23.5	50	41	10
50PR	20	23.5	50	61	10
55PR	20	23.5	50	61	10

Penta-Lobe
(PR)



PR	8PR	9PR	10PR	15PR	20PR	25PR	27PR	30PR	40PR	45PR	50PR	55PR
S (ref. mm)	2.19	2.36	2.58	3.10	3.64	4.12	4.71	5.23	6.30	7.38	8.35	10.63

RS3025/9-PR

 Socket Set on Rail
Juego de Vasos en Regleta



RS3025/9-PR	9 Pieces Set/Rail 200mm	(g)
10PR, 15PR, 20PR, 25PR, 27PR, 30PR, 40PR, 45PR, 50PR		395

RSX025/11-PR

 Socket Set on Rail
Juego de Vasos en Regleta



RSX025/11-PR	11 Pieces Set/Rail 200mm	(g)
2025.28(PR)	8PR, 10PR, 15PR, 20PR, 25PR, 27PR, 30PR	320
3025.50(PR)	40PR, 45PR, 50PR, 55PR	

$1/4" + 3/8"$

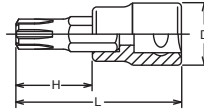
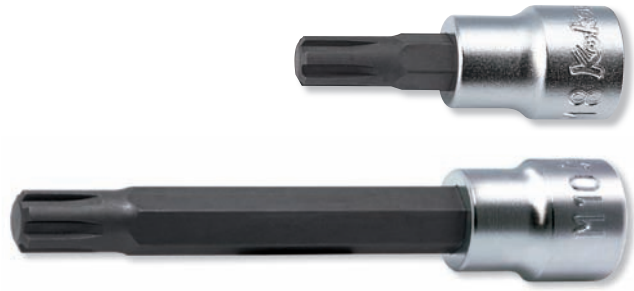
3/8" Hand Sockets

3027.50	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	18	23.5	50	38	10
M 6	18	23.5	50	38	10
M 7	18	23.5	50	38	10
M 8	18	23.5	50	39	10
M 9	20	23.5	50	40	10
M10	20	23.5	50	40	10
M12	20	23.5	50	41	10

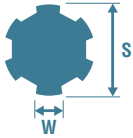
3027.100	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	18	73.5	100	40	10
M 6	18	73.5	100	42	10
M 8	18	73.5	100	45	10
M10	20	73.5	100	52	10
M12	20	73.5	100	73	10

3027-50 • -100

Bit Sockets for Ribe Screws
Vasos con Punta Ribe



Ribe CV



CV		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
S	(ref. mm)	5	6	7	8	9	10	12	13	14	16
W	(ref. mm)	1.1	1.3	1.4	1.7	1.9	2.2	2.6	3.0	3.1	3.5

RS3027/5-L50	5 Pieces Set/Rail 150mm	(g)
M5, M6, M8, M10, M12		240

RS3027/5-L50

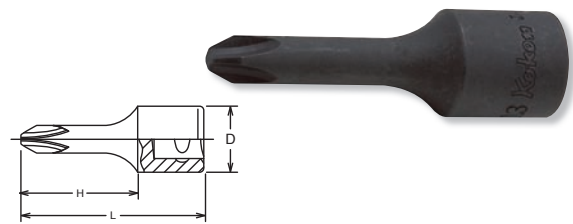
Socket Set on Rail
Juego de Vasos en Regleta



3001 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2	18	42	60	38	10
3	18	42	60	38	10
4	18	42	60	38	10

3001

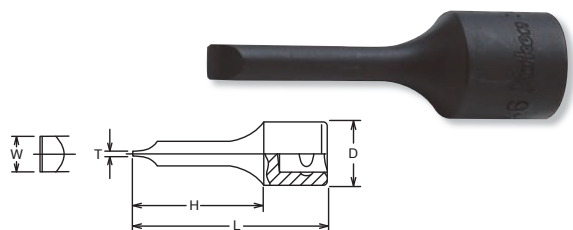
Phillips Bit Sockets
Vasos con Punta Phillips



3006	TxW (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0x 5	18	42	60	35	10
8	1.2x 8	18	42	60	42	10
10	1.6x10	20	42	60	50	10

3006

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada



3001, 3006 are for hand use only.
Do not use with a power or impact wrench.

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

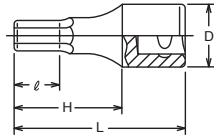
CONSTRUCTION
CONSTRUCCIÓN


RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

3012M-52 · -62 · -75 3012A-52 · -62 · -75

 Inhex Sockets
Vasos con Punta de Hexagonal 





 3012M/A are for hand use only.
Do not use with a power or impact wrench.

3012M.52 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	10	34	52	35	10
4	18	15.5	34	52	38	10
5	18	15.5	34	52	40	10
6	18	15.5	34	52	42	10
7	18	15.5	34	52	46	10
8	18.5	15.5	34	52	50	10
9	18.5	15.5	34	52	55	10
10	20	15.5	34	52	66	10
11	20	15.5	34	52	72	10
12	20	15.5	34	52	77	10
13	20	15.5	34	52	82	10
14	20	15.5	34	52	89	10

3012M.62 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	10	44	62	38	10
4	18	15.5	44	62	40	10
5	18	15.5	44	62	43	10
6	18	15.5	44	62	46	10
7	18	15.5	44	62	53	10
8	18.5	15.5	44	62	58	10
9	18.5	15.5	44	62	63	10
10	20	15.5	44	62	77	10
11	20	15.5	44	62	83	10
12	20	15.5	44	62	90	10
13	20	15.5	44	62	95	10
14	20	15.5	44	62	109	10

3012M.75 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	10	57	75	41	10
4	18	15.5	57	75	43	10
5	18	15.5	57	75	48	10
6	18	15.5	57	75	53	10
7	18	15.5	57	75	58	10
8	18.5	15.5	57	75	72	10
9	18.5	15.5	57	75	92	10
10	20	15.5	57	75	114	10
11	20	15.5	57	75	120	10
12	20	15.5	57	75	127	10
13	20	15.5	57	75	132	10
14	20	15.5	57	75	146	10

3012A.52 (inch)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	18	10	34	52	35	10
5/32	18	15.5	34	52	38	10
3/16	18	15.5	34	52	40	10
7/32	18	15.5	34	52	42	10
1/4	18	15.5	34	52	44	10
9/32	18	15.5	34	52	46	10
5/16	18.5	15.5	34	52	50	10
11/32	18.5	15.5	34	52	55	10
3/8	20	15.5	34	52	65	10
7/16	20	15.5	34	52	72	10
1/2	20	15.5	34	52	82	10
9/16	20	15.5	34	52	89	10

3012A.62 (inch)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	18	10	44	62	38	10
5/32	18	15.5	44	62	40	10
3/16	18	15.5	44	62	43	10
7/32	18	15.5	44	62	46	10
1/4	18	15.5	44	62	48	10
9/32	18	15.5	44	62	53	10
5/16	18.5	15.5	44	62	58	10
11/32	18.5	15.5	44	62	63	10
3/8	20	15.5	44	62	73	10
7/16	20	15.5	44	62	83	10
1/2	20	15.5	44	62	95	10
9/16	20	15.5	44	62	109	10

3012A.75 (inch)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	18	10	57	75	41	10
5/32	18	15.5	57	75	43	10
3/16	18	15.5	57	75	48	10
7/32	18	15.5	57	75	53	10
1/4	18	15.5	57	75	53	10
9/32	18	15.5	57	75	58	10
5/16	18.5	15.5	57	75	72	10
11/32	18.5	15.5	57	75	92	10
3/8	20	15.5	57	75	110	10
7/16	20	15.5	57	75	120	10
1/2	20	15.5	57	75	132	10
9/16	20	15.5	57	75	146	10

RS3012M/8-L52 RS3012A /8-L52

  Socket Set on Rail
Juego de Vasos en Regleta



RS3012M/8-L52	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		394

RS3012A/8-L52	8 Pieces Set/Rail 200mm	(g)
1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2		425

3/8" Hand Sockets

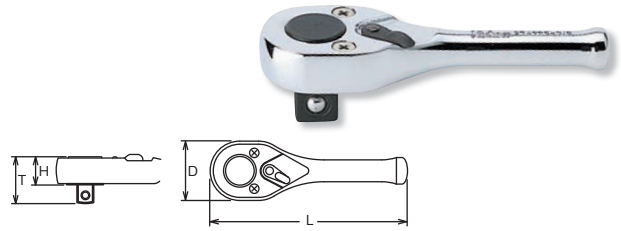
HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL
INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

2749PS-3/8 Reversible Ratchet Short Llave de Carraca Reversible Corta ⚠



* Renewal Kits → 2749RK-3/8 → P286

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749PS-3/8	25	21.9	11.2	75	70	10



2749N-3/8 Reversible Ratchet Llave de Carraca Reversible ⚠



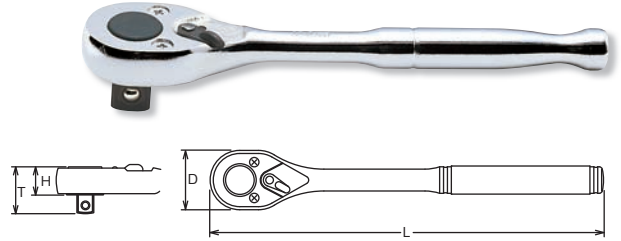
* Renewal Kits → 2749RK-3/8 → P286



2749P-3/8 Reversible Ratchet Llave de Carraca Reversible ⚠



* Renewal Kits → 2749RK-3/8 → P286



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749N-3/8	25	21.9	11.2	125	104	10
2749P-3/8	25	21.9	11.2	125	101	10

⚠ 2749-3/8 series have less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

3749S Reversible Ratchet Short Llave de Carraca Reversible Corta



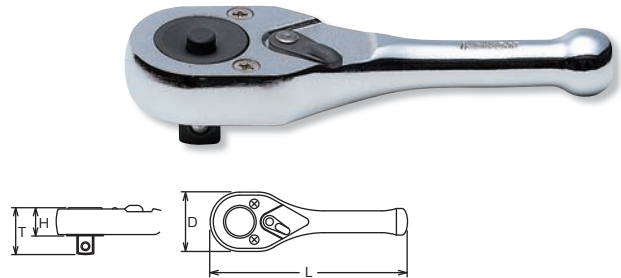
* Renewal Kits → 3749RK → P286



3749SB Reversible Ratchet with Quick Release Button Short Llave de Carraca Reversible con botón de extracción rápida Corta ⚠



* Renewal Kits → 3749BRK → P286



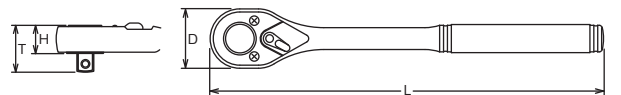
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3749S	34	24.8	14.1	110	183	5
3749SB	34	24.8	14.1	110	183	5

⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

3749N Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 3749RK → P286



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3749N	34	24.8	14.1	200	340	1

Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3752N Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → **3752RK** → P286



[L/R Marking]



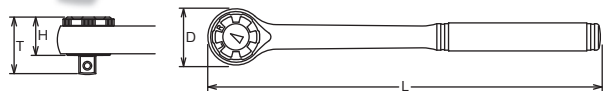
A pointer and L/R markings on the ratchet head indicate the turning direction. The reduced diameter of the head allows easier access in tight spots.

Una flecha y unas marcas L/R en el cabezal de la llave (L = Izquierda / R = Derecha) indican el sentido de giro. El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.

3752J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → **3752RK** → P286



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3752N	33	34.3	23.9	200	310	1
3752J	33	34.3	23.9	200	310	1

3776N Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria



* Renewal Kits → **3752RK** → P286



3776P Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria



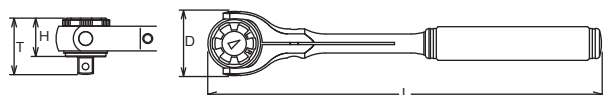
* Renewal Kits → **3752RK** → P286



3776J Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria



* Renewal Kits → **3752RK** → P286



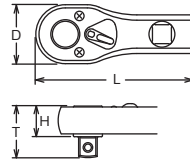
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3776N	44	34.3	23.9	280	565	1
3776P	44	34.3	23.9	280	560	1
3776J	44	34.3	23.9	280	510	1

3753SM Multi Purpose Ratchet, Reversible Llave de Carraca de Aplicación General, Reversible



* Renewal Kits → 3753RK → P286

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3753SM	30.5	26.4	15.7	81	175	5



3753N Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 3753RK → P286



3753P Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 3753RK → P286



3753J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 3753RK → P286



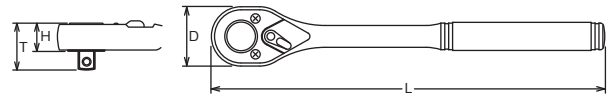
D3753J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 3753RK → P286



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753N	30.5	26.4	15.7	200	320	1
3753P	30.5	26.4	15.7	200	286	1
3753J	30.5	26.4	15.7	200	260	1
D3753J	30.5	26.4	15.7	200	260	1



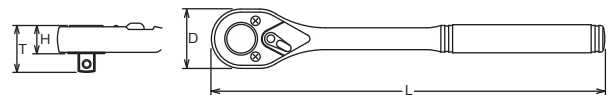
3753P-250 Reversible Ratchet Long Llave de Carraca Reversible Larga



* Renewal Kits → 3753RK → P286



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753P-250	30.5	26.4	15.7	250	335	1



Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3753SMB **Multi Purpose Ratchet with Quick Release Button** Llave de Carraca de Aplicación General, reversible



* Renewal Kits → **3753BRK** → [P286](#)



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3753SMB	30.5	26.4	15.7	81	175	5

3753NB **Reversible Ratchet with Quick Release Button** Llave de Carraca Reversible con botón de extracción rápida



* Renewal Kits → **3753BRK** → [P286](#)

3753PB **Reversible Ratchet with Quick Release Button** Llave de Carraca Reversible con botón de extracción rápida

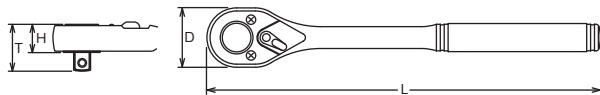


* Renewal Kits → **3753BRK** → [P286](#)


3753JB **Reversible Ratchet with Quick Release Button** Llave de Carraca Reversible con botón de extracción rápida



* Renewal Kits → **3753BRK** → [P286](#)



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753NB	30.5	26.4	15.7	200	320	1
3753PB	30.5	26.4	15.7	200	286	1
3753JB	30.5	26.4	15.7	200	260	1

 Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

3/8" Hand Sockets

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

2774PS-3/8 Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible ⚠



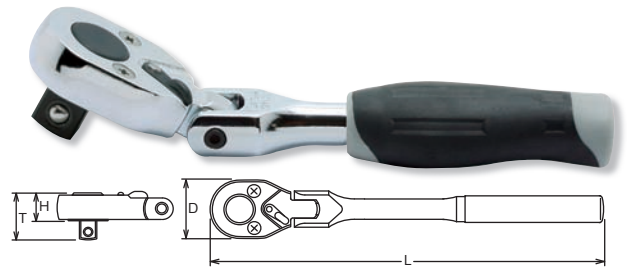
* Renewal Kits → 2749RK-3/8 → P286



2774JS-3/8 Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible ⚠



* Renewal Kits → 2749RK-3/8 → P286



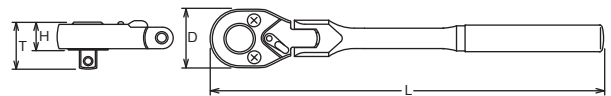
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2774PS-3/8	25	21.9	11.2	120	133	5
2774JS-3/8	25	21.9	11.2	120	113	5

⚠ 2774-3/8 series have less strength compared with normal 3/8" ratchet due to the technical design. Make sure to use the ratchet correctly.

3774PS Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → 3753RK → P286

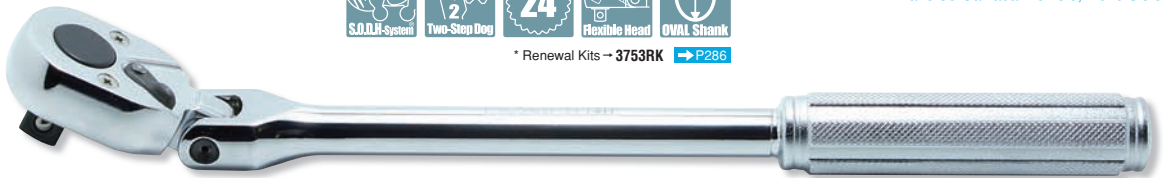


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3774PS	30.5	26.4	15.7	175	250	2

3774N Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



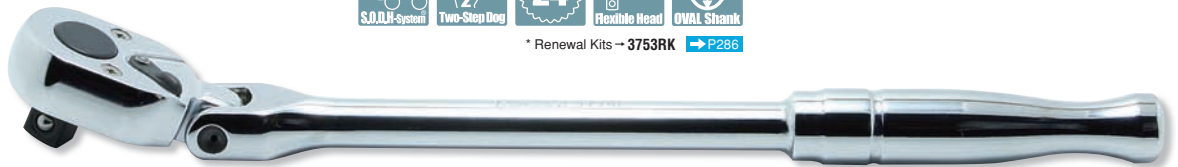
* Renewal Kits → 3753RK → P286



3774P Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → 3753RK → P286



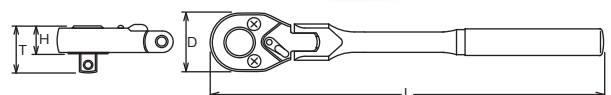
3774J Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → 3753RK → P286



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3774N	30.5	26.4	15.7	265	378	2
3774P	30.5	26.4	15.7	265	378	2
3774J	30.5	26.4	15.7	285	367	1



Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

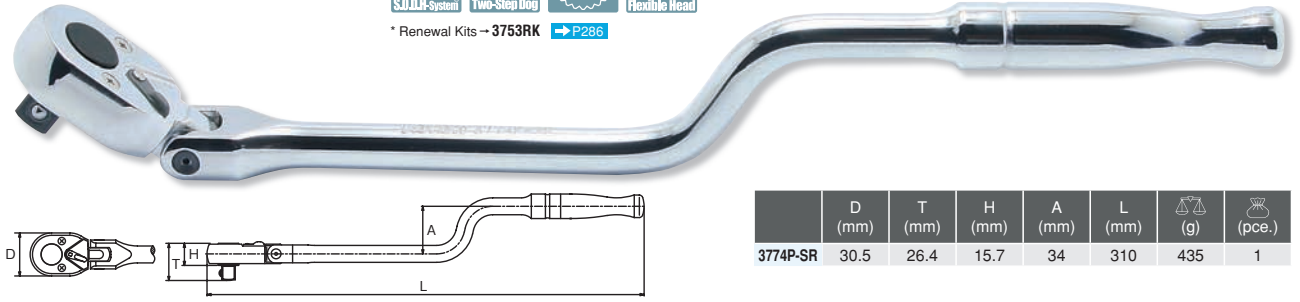
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3774P-SR Speeder Ratchet



* Renewal Kits → **3753RK** → **P286**



	D (mm)	T (mm)	H (mm)	A (mm)	L (mm)	(g)	(pcs.)
3774P-SR	30.5	26.4	15.7	34	310	435	1

3774NB Flexible Ratchet, Reversible with Quick Release Button

Llave de Carraca Flexible, reversible con botón de extracción rápida



* Renewal Kits → **3753BRK** → **P286**



3774PB Flexible Ratchet, Reversible with Quick Release Button

Llave de Carraca Flexible, reversible con botón de extracción rápida



* Renewal Kits → **3753BRK** → **P286**

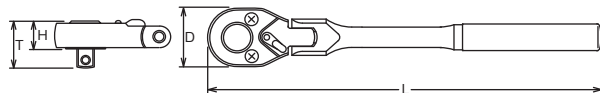


3774JB Flexible Ratchet, Reversible with Quick Release Button

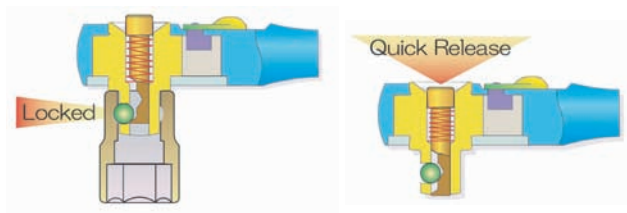
Llave de Carraca Flexible, reversible con botón de extracción rápida



* Renewal Kits → **3753BRK** → **P286**



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3774NB	30.5	26.4	15.7	265	378	2
3774PB	30.5	26.4	15.7	265	373	2
3774JB	30.5	26.4	15.7	285	367	1



Reversible Ratchet with Quick Release Button :

Sockets and accessories are safely locked. By pushing the button the sockets or extension bars are released from the ratchet.

Llave de Carraca Reversible con Botón de

Extracción Rápida : Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

3/8" Hand Sockets



* Renewal Kits → 3753BK → P286

3774NL Flex-Head Ratchet with Head Lock Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza ⚠



* Renewal Kits → 3753BK → P286

3774PL Flex-Head Ratchet with Head Lock Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza ⚠



* Renewal Kits → 3753BK → P286

3774JL Flex-Head Ratchet with Head Lock Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza ⚠

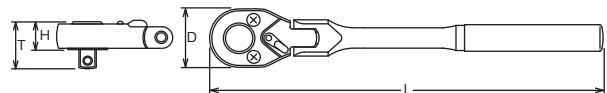


* Renewal Kits → 3753BK → P286

3774JBL ⚠
Flex-Head Ratchet with Head Lock Button and Quick Release Button
Llave de Carraca Flexible con Botón de Bloqueo de la Cabeza y Botón de Extracción Rápida



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3774NL	30.5	26.4	15.7	265	378	2
3774PL	30.5	26.4	15.7	265	378	2
3774JL	30.5	26.4	15.7	285	367	1
3774JBL	30.5	26.4	15.7	285	367	1



⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

3755 Ratchet Adaptor Adaptador de carraca

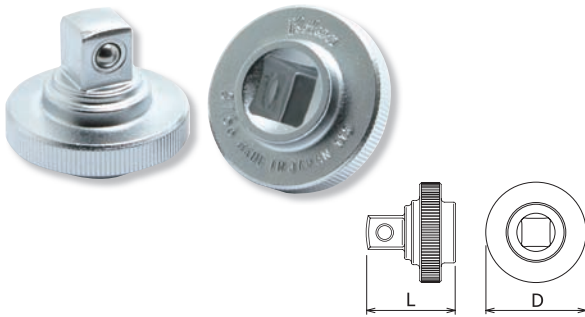


45

* Renewal Kits → **3755RK** → [P288](#)

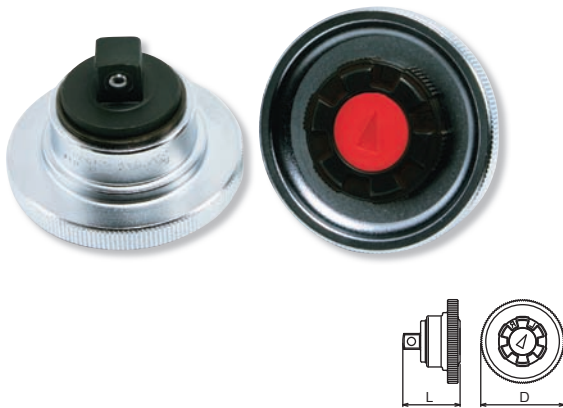
	D (mm)	L (mm)	(g)	(pcs.)
3755	30.5	55	146	5

3756 Quick Spinner Disco de Giro Rápido



	D (mm)	L (mm)	(g)	(pcs.)
3756	30.5	25.5	47	10

3757 Ratchet Wheel Rueda de carraca

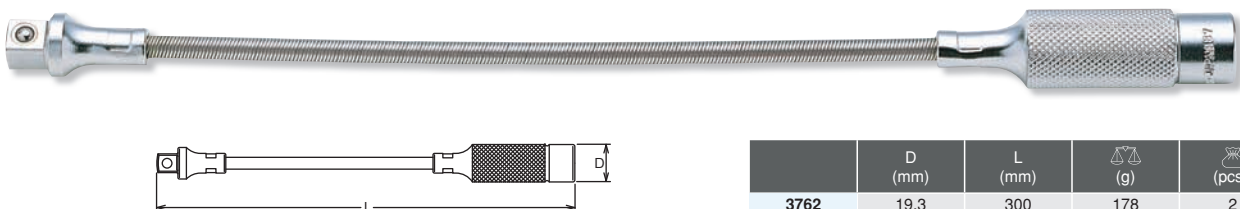


45

* Renewal Kits → **3752RK** → [P288](#)

	D (mm)	L (mm)	(g)	(pcs.)
3757	50	35	155	5

3762 Flexible Extension Bar Alargadera Flexible

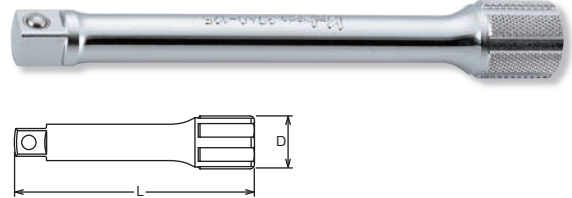


	D (mm)	L (mm)	(g)	(pcs.)
3762	19.3	300	178	2

3760	D (mm)	L (mm)	(g)	(pcs.)
32	18	32	27	10
50	18	50	47	10
75	18	75	68	10
125	18	125	106	10
150	18	150	125	10
250	18	250	196	5
300	18	300	291	2
400	18	400	365	1
500	18	500	490	1
600	18	600	538	1
900	18	900	805	1
1000	18	1000	968	1

3760-32 · -50 · -75 · -125 · -150 · -250 · -300 · -400 · -500 · -600 · -900 · -1000

Extension Bars
Alargaderas



PK3760/6	6 Pieces Set/△=670g
PLASTIC TRAY	
Extension Bars	
3760 Extension Bars 32, 50, 75, 125, 150, 250	

PK3760/6 Set Juego

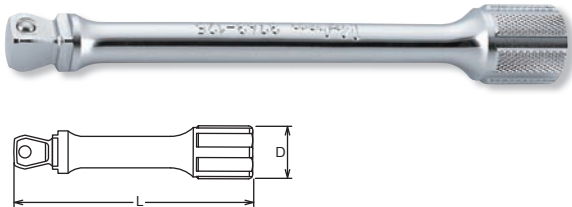


3763	D (mm)	L (mm)	(g)	(pcs.)
32	18	32	26	10
50	18	50	42	10
75	18	75	57	10
125	18	125	80	10
150	18	150	98	10
250	18	250	144	5
300	18	300	170	2



3763-32 · -50 · -75 · -125 · -150 · -250 · -300

Wobble-Fix Extension Bars
Alargaderas Articuladas-Fijas ⚠

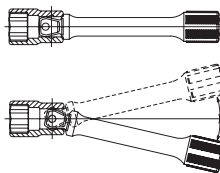


PK3763/6	6 Pieces Set/△=560g
PLASTIC TRAY	
Extension Bars	
3763 Wobble-Fix Extension Bars 32, 50, 75, 125, 150, 250	

PK3763/6 Set Juego



Wobble-Fix Extension Bar
Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.



Alargadera Articulada-Fija
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

⚠ The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3768N-175 Hinge Handle
Mango Articulado



* Renewal Kits → **3768RK** → **P288**



3768N-250 Hinge Handle
Mango Articulado



* Renewal Kits → **3768RK** → **P288**



3768P-250 Hinge Handle
Mango Articulado



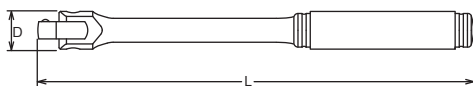
* Renewal Kits → **3768RK** → **P288**



3768J-250 Hinge Handle
Mango Articulado



* Renewal Kits → **3768RK** → **P288**



	D (mm)	L (mm)	(g)	(pcs.)
3768N-175	20.5	175	255	5
3768N-250	20.5	250	290	5
3768P-250	20.5	250	275	5
3768J-250	20.5	250	248	2

3768N-300 Hinge Handle
Mango Articulado

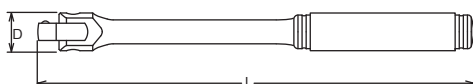


* Renewal Kits → **3768RK** → **P288**



3768P-380 Hinge Handle
Mango Articulado

* Renewal Kits → **3768RK** → **P288**



	D (mm)	L (mm)	(g)	(pcs.)
3768N-300	20.5	300	320	2
3768P-380	20.5	380	435	2

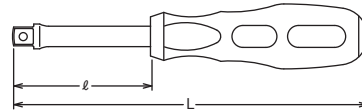
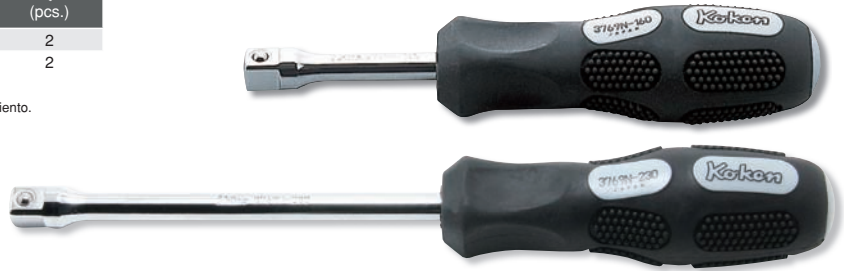
3768-300, -380 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

3/8" Hand Sockets

3769N	ℓ (mm)	L (mm)	(g)	(pcs.)
160	50	160	96	2
230	120	230	126	2

⚠ Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.

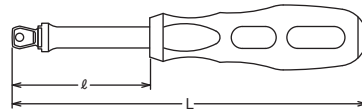
3769N-160 • -230 Spin Type Handle Mango Tipo Destornillador **⚠**



3769NWF	ℓ (mm)	L (mm)	(g)	(pcs.)
160	50	160	96	2
230	120	230	126	2

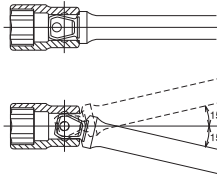
⚠ Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.

3769NWF-160 • -230 Spin Type Handle Wobble-Fix Mango Tipo Destornillador Articulado-Fijos **⚠**



Wobble-Fix Extension Bar

Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

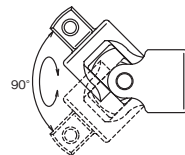
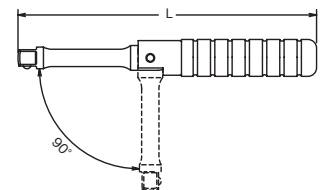
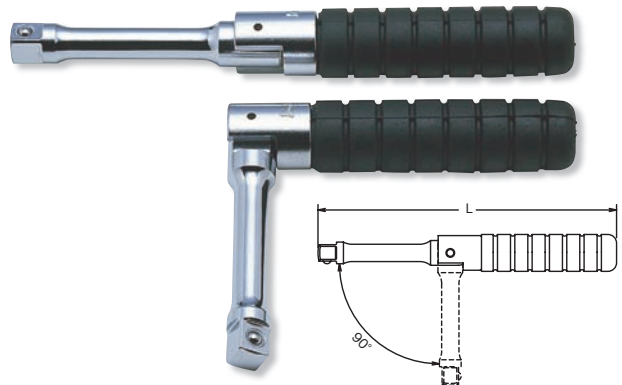


Alargadera Articulada-Fija

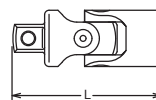
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

3769H	L (mm)	(g)	(pcs.)
3769H	170	210	2

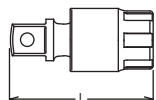
3769H Folding Socket Driver Llave de Vaso Plegable



3770 Universal Joint Articulación Universal



3771 Universal Joint Articulación Universal



	L (mm)	(g)	(pcs.)
3770	50	66	10
3771	43	46	10

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE HEZAS/REPLUSTO

Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

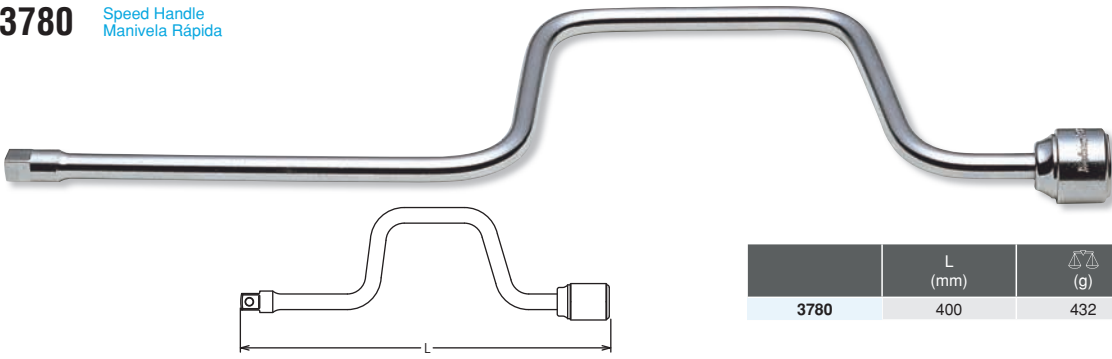
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

3780 Speed Handle Manivela Rápida

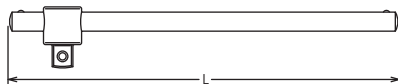
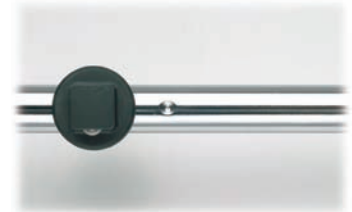


	L (mm)	(g)	(pcs.)
3780	400	432	1

3785 T-Handle Mango Corredizo

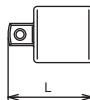


Innovative Oval shaped bar provides higher durability and stops the sliding square part turning around the bar.

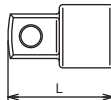


	L (mm)	(g)	(pcs.)
3785	200	157	5

3322A Adaptor Adaptador Warranty 86Nm Garantía 86Nm



3344A Adaptor Adaptador



	(sq)	(sq)	L (mm)	(g)	(pcs.)
3322A	3/8"	1/4"	24	18	10
3344A	3/8"	1/2"	30	35	10

Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.



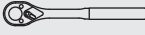
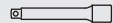



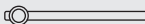
PK2346/6 Set Juego



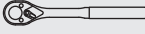




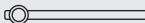





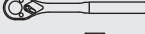


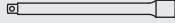
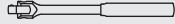



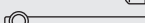

- 2233A $(\frac{1}{4}) \times \frac{3}{8}$
- 3322A $(\frac{3}{8}) \times \frac{1}{4}$ Warranty/Garantía 86Nm
- 3344A $(\frac{3}{8}) \times \frac{1}{2}$
- 4433A $(\frac{1}{2}) \times \frac{3}{8}$ Warranty/Garantía 290Nm
- 4466A $(\frac{1}{2}) \times \frac{3}{4}$
- 6644A $(\frac{3}{4}) \times \frac{1}{2}$ Warranty/Garantía 668Nm



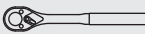

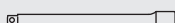
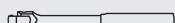
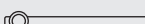
PK2346/6 6 Pieces Set $\Delta = 460g$
PLASTIC TRAY



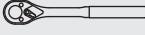




Adaptors			
1/4" \square \rightarrow 3/8" \square	2233A	3/8" \square \rightarrow 1/4" \square	3322A
3/8" \square \rightarrow 1/2" \square	3344A	1/2" \square \rightarrow 3/8" \square	4433A-35
1/2" \square \rightarrow 3/4" \square	4466A	3/4" \square \rightarrow 1/2" \square	6644A




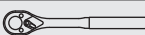
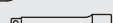
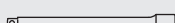
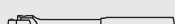

3200M 18 Pieces Set/△=2,250g	
METAL CASE:W415xH120xT50mm	
Sockets	Accessories
<p> 3400M 6-pt. Sockets 6, 8, 9, 10, 11, 12</p> <p> 3405M 12-pt. Sockets 13, 14, 17, 18, 19, 21</p>	<p> 3753N</p> <p> 3760-125</p> <p> 3760-250</p> <p> 3768N-250</p> <p> 3769N-160</p> <p> 3785</p>

3200A 18 Pieces Set/△=2,250g	
METAL CASE:W415xH120xT50mm	
Sockets	Accessories
<p> 3400A 6-pt. Sockets 1/4, 5/16, 3/8, 7/16</p> <p> 3405A 12-pt. Sockets 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8</p>	<p> 3753N</p> <p> 3760-125</p> <p> 3760-250</p> <p> 3768N-250</p> <p> 3769N-160</p> <p> 3785</p>

3201AMW 42 Pieces Set/△=4,700g	
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
<p> 3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22</p> <p> 3405A 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8</p> <p> 3405W 12-pt. Sockets 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2</p>	<p> 3753N</p> <p> 3760-75</p> <p> 3760-125</p> <p> 3760-250</p> <p> 3768N-250</p> <p> 3769N-160</p> <p> 3770</p> <p> 3780</p> <p> 3785</p> <p> 3344A</p>

3206M 21 Pieces Set/△=2,100g	
METAL CASE:W395xH90xT50mm	
Sockets	Accessories
<p> 3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12</p> <p> 3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22</p>	<p> 3753N</p> <p> 3760-125</p> <p> 3760-250</p> <p> 3768N-250</p> <p> 3785</p>

3206A 17 Pieces Set/△=2,000g	
METAL CASE:W395xH90xT50mm	
Sockets	Accessories
<p> 3400A 6-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16</p> <p> 3405A 12-pt. Sockets 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8</p>	<p> 3753N</p> <p> 3760-125</p> <p> 3760-250</p> <p> 3768N-250</p> <p> 3785</p>

3206AM 27 Pieces Set/△=3,500g	
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
<p> 3405M 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22</p> <p> 3405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8</p> <p> 3300C Spark Plug Socket 20.8</p>	<p> 3753N</p> <p> 3760-125</p> <p> 3760-250</p> <p> 3768N-250</p> <p> 3770</p>

3200M · 3200A Socket Sets / Juegos de Vasos



3201AMW Socket Set / Juego de Vasos



3206M Socket Set / Juego de Vasos



3206A Socket Set / Juego de Vasos



3206AM Socket Set / Juego de Vasos



Hand Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS/REPUSTO
CONSTRUCCIÓN

3210M Socket Set Juego de Vasos



3215M • 3215A Socket Sets Juegos de Vasos



3217M Socket Set Juego de Vasos



3220M Socket Set Juego de Vasos



3221M Socket Set Juego de Vasos



3244 Socket Set Juego de Vasos



3210M 22 Pieces Set/⚖️=2,900g

METAL CASE:W360xH145xT50mm

Sockets	Accessories
<ul style="list-style-type: none"> 3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12 3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22 	<ul style="list-style-type: none"> 3753N 3760-125 3760-250 3768N-250 3770 3785

3215M 7 Pieces Set/⚖️=430g

PLASTIC BAG

Sockets
<ul style="list-style-type: none"> 3305M 12-pt. Deep Sockets 8, 10, 11, 12, 13, 14, 17

3215A 7 Pieces Set/⚖️=430g

PLASTIC BAG

Sockets
<ul style="list-style-type: none"> 3305A 12-pt. Deep Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16

3217M 14 Pieces Set/⚖️=850g

METAL CASE:W163xH52xT33mm

Sockets
<ul style="list-style-type: none"> 3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

3220M 14 Pieces Set/⚖️=2,270g

METAL CASE:W415xH120xT50mm

Sockets	Accessories
<ul style="list-style-type: none"> 3405M 12-pt. Sockets 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22 	<ul style="list-style-type: none"> 3753N 3760-125 3768N-250

3221M 18 Pieces Set/⚖️=2,300g

METAL CASE:W415xH120xT50mm

Sockets	Accessories
<ul style="list-style-type: none"> 3405M 12-pt. Sockets 6, 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22 	<ul style="list-style-type: none"> 3753N 3760-125 3760-250 3768N-250 3769N-160 3785

3244 12 Pieces Set/⚖️=1,110g

METAL CASE:W240xH100xT32mm

Sockets	Accessories
<ul style="list-style-type: none"> 3025.50 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50 3425 TORX® Sockets E8, E10, E12 	<ul style="list-style-type: none"> 3753N 3760-75



3/8" Hand Sockets

3240M-00	3400M 67 Pieces Set/△=2,800g	
3240M-05	3405M 67 Pieces Set/△=2,800g	
DISPLAY STAND:W410xH160xT500mm		
Sockets		
6mm:4pcs	12mm:4pcs	18mm:4pcs
7mm:4pcs	13mm:4pcs	19mm:3pcs
8mm:4pcs	14mm:4pcs	20mm:3pcs
9mm:4pcs	15mm:4pcs	21mm:3pcs
10mm:4pcs	16mm:4pcs	22mm:3pcs
11mm:4pcs	17mm:4pcs	23mm:3pcs

3240M-00  Display Stands
3240M-05  Expositores



S3240M-00	3400M 177 Pieces Set/△=10,300g	
S3240M-05	3405M 177 Pieces Set/△=10,300g	
DISPLAY STAND:W510xH150xT230mm		
Sockets		
6mm:12pcs	12mm:12pcs	18mm:8pcs
7mm:12pcs	13mm:11pcs	19mm:8pcs
8mm:12pcs	14mm:11pcs	20mm:7pcs
9mm:12pcs	15mm:10pcs	21mm:7pcs
10mm:12pcs	16mm: 9pcs	22mm:7pcs
11mm:12pcs	17mm: 9pcs	23mm:6pcs


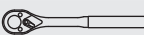
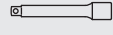


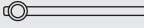
S3240M-00 · S3240A-00  Display Stands
S3240M-05 · S3240A-05  Expositores



S3240A-00	3400A 126 Pieces Set/△=8,500g	
S3240A-05	3405A 126 Pieces Set/△=8,500g	
DISPLAY STAND:W510xH150xT230mm		
Sockets		
1/4" :12pcs	9/16":10pcs	25/32":7pcs
5/16":12pcs	19/32":10pcs	13/16":7pcs
3/8" :12pcs	5/8" : 9pcs	7/8" :7pcs
7/16":12pcs	11/16": 9pcs	
1/2" :11pcs	3/4" : 8pcs	


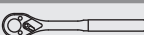


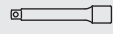

3250M  Socket Set
 Juego de Vasos



3250M	17 Pieces Set/△=2,200g
METAL CASE:W415xH120xT50mm	
Sockets	Accessories
 3400M 6-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	 3753N
	 3760-125
	 3760-250
	 3770
	 3785






3252M  Socket Set
 Juego de Vasos



3252M	15 Pieces Set/△=1,530g
METAL CASE:W310xH90xT48mm	
Sockets	Accessories
 3400M 6-pt. Sockets 5.5, 7, 8, 10, 11, 12	 3753P
 3405M 12-pt. Sockets 13, 14, 17, 19, 22	 3760-75
	 3760-125
	 3770

P3262M-6P  Socket Set
 Juego de Vasos



P3262M-6P	11 Pieces Set/△=1,140g
PLASTIC CASE:W245xH120xT45mm	
Sockets	Accessories
 3400M 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19	 3753N
	 3760-75
	 3760-125
	 3770

HAND MANUALES
 Z-SERIES
 TITANIUM DE TITANIO
 ACCESSORIES ACCESORIOS
 SCREWDRIVERS DESTORNILLADORES
 IMPACT DE IMPACTO
 SLEEVE-DRIVE
 INDUSTRIAL INDUSTRIALES
 PROTECTOR PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION CONSTRUCCION
 RENEWAL KITS JUEGOS DE HEZAS/REPUES

Hand Sockets 3/8"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUES

3275 Socket Set Juego de Vasos



3275 24 Pieces Set/⚖️=3,150g

METAL CASE:W400xH147xT50mm

Sockets	Accessories
3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12	3753N
3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22	3760-125 3760-250
3300C Spark Plug Sockets 16, 20.8	3768N-250 3770 3756

3276 Bit Socket Set Juego de Vasos con Punta



3276 20 Pieces Set/⚖️=3,370g

METAL CASE:W310xH150xT50mm

Sockets	Accessories
3000 Bit Sockets 2, 3	3753N
3005 Bit Sockets 5, 8	3763-125
3010M.62 Hex Bit Sockets 5, 6, 7, 8, 10	
3025.50 TORX® Bit Sockets T10, T15, T20, T25, T27, T30, T40, T45, T50	

3277 Socket Set Juego de Vasos



3277 29 Pieces Set/⚖️=3,240g

METAL CASE:W370xH150xT50mm

Sockets	Accessories
3400M 6-pt. Sockets 8, 9, 10, 11, 12	3753N
3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21	3760-125 3768N-250
3300M 6-pt. Deep Sockets 8, 9, 10, 11, 12	
3305M 12-pt. Deep Sockets 13, 14, 15, 16, 17, 18, 19, 21	

3279AM Socket Set Juego de Vasos

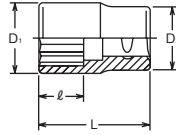




3279AM 35 Pieces Set/⚖️=4,200g

METAL CASE:W445xH190xT50mm

Sockets	Accessories
3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	3753N 3760-75
3405A 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8	3760-125 3760-250
3300S Spark Plug Sockets 16, 20.8	3768N-250 3769N-160 3770 3785



4400M • 4400A 6-point Sockets Vasos Hexagonales




4400M 4405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
6	10.3	21	6	36	42	10
7	11.5	21	7	36	43	10
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	57	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74	10
19	26.5	25	14	38	89	10
20	27.8	26	15	38	92	10
21	29	27	15.5	38	102	10
22	30	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.8	30	17	42	140	5
25	34	31	18	42	164	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	182	5
28	37.8	34	20	43	198	5
29	39	35	20.5	43	205	5
30	40	36	22	46	222	5
31	41.5	37	22.5	46	246	5
32	42.8	38	23	46	261	5
33	44.2	39	24	47	275	5
34	45.2	40	24	47	315	5
35	46.2	40	24	47	317	5
36	47.2	41	24	47	336	5
37	48.3	42	24	47	360	5
38	49.2	43	24	47	380	5
41	53.1	45	29	57	471	5
46	59.1	48	32	60	567	2


4405M • 4405A 12-point Sockets Vasos Bihexagonales




4400A 4405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
5/16	13.2	21	8	36	44	10
3/8	14.6	21	9	37	45	10
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
19/32	21.5	22	11.5	37	57	10
5/8	22.8	22	12	37	62	10
21/32	24	23	12.5	37	69	10
11/16	25	24	13	37	74	10
3/4	26.5	25	14	38	89	10
25/32	27.8	26	15	38	92	10
13/16	29	27	15.5	38	102	10
7/8	30	28	16	40	113	10
15/16	32.8	30	17	42	140	5
1	35	32	19	42	165	5
1. 1/16	36.5	33	19.5	43	180	5
1. 1/8	39	35	20.5	43	210	5
1. 3/16	40	36	22	46	222	5
1. 1/4	42.8	38	23	46	261	5
1. 5/16	44.2	39	24	47	275	5
1. 3/8	46.2	40	24	47	317	5
1. 7/16	47.2	41	24	47	336	5
1. 1/2	49.2	43	24	47	380	5

RS4400M/10	10 Pieces Set/Rail 300mm	 (g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		717

RS4405M/10	10 Pieces Set/Rail 300mm	 (g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		717

RS4400A/10	10 Pieces Set/Rail 300mm	 (g)
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		809

RS4405A/10	10 Pieces Set/Rail 300mm	 (g)
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		809

RS4400M/10   Socket Set on Rail
Juego de Vasos en Regleta

RS4405M/10  

RS4400A/10   Socket Set on Rail
Juego de Vasos en Regleta

RS4405A/10  



Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

4410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



RS4410M/10 Socket Set on Rail Juego de Vasos en Regleta



4400W 6-point Whitworth Sockets Vasos Whitworth Hexagonales



4405W 12-point Whitworth Sockets Vasos Whitworth Bihexagonales




RS4400W/8 Socket Set on Rail Juego de Vasos en Regleta

RS4405W/8 Socket Set on Rail Juego de Vasos en Regleta




BS W

	BS W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
		W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
	Across Flat	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

4425 TORX® Sockets Vasos TORX®



TORX® (E)

	E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
	S	(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85

RS4425/7 Socket Set on Rail Juego de Vasos en Regleta



4410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74	10
19	26.5	25	14	38	89	10
20	27.8	26	15	38	92	10
21	29	27	15.5	38	102	10
22	30	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.8	30	17	42	140	5
25	34	31	18	42	164	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
28	37.8	34	20	43	198	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
31	41.5	37	22.5	46	257	5
32	42.8	38	23	46	250	5
34	45.2	40	24	47	314	5

RS4410M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		717

4400W 4405W (W)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
3/16	16.5	21	9.5	37	46	10
1/4	19	22	10.5	37	54	10
5/16	21.5	22	11.5	37	54	10
3/8	25	24	13	37	73	10
7/16	29	27	15.5	38	87	10
1/2	31.5	29	16.5	40	133	10
9/16	35	32	19	42	165	5
5/8	37.8	34	20	43	191	5
11/16	40	36	22	46	222	5
3/4	44.2	39	24	47	280	5

RS4400W/8	8 Pieces Set/Rail 250mm	(g)
3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8		860

RS4405W/8	8 Pieces Set/Rail 250mm	(g)
3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8		860

4425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E 8	10.7	21	7	36	41	10
E10	13.2	21	8.2	36	44	10
E11	13.8	21	8.7	37	45	10
E12	14.6	21	9.3	37	47	10
E14	16.5	21	10.6	37	48	10
E16	19	22	11.8	37	57	10
E18	20.3	22	13	37	57	10
E20	22.8	22	14.4	37	63	10
E22	25	24	15.5	37	78	10
E24	26.5	25	17	40	95	5

RS4425/7	7 Pieces Set/Rail 200mm	(g)
E10, E12, E14, E16, E18, E20, E24		428

4425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E10N	13.2	21	8.2	36	47	10
E12N	14.6	21	9.3	37	48	10
E14N	16.5	21	10.6	37	50	10
E16N	19	22	11.8	37	60	10
E18N	20.3	22	13	37	60	10
E20N	22.8	22	14.4	37	65	10

TORX Socket for Nut and low profile bolt
Shallow Chamfer on Socket Opening



A : Flywheel bolt MR20 NISSAN: 4425-E20N
B : Cam sprocket FA20 for TOYOTA/SUBARU: 4425-E16N
C : Connecting rod bolt FA20 for TOYOTA/SUBARU: 4425-E14N

RS4425/6-N	6 Pieces Set/Rail 200mm	(g)
E10N, E12N, E14N, E16N, E18N, E20N		370

4425 (EPL)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10EPL	13.2	21	6.2	36	45	10
12EPL	14.6	21	7.2	37	47	10
14EPL	16.5	21	8.1	37	49	10
16EPL	19	22	9.2	37	60	10
18EPL	20.3	22	10.2	37	60	10
20EPL	22.9	22	11.2	37	65	10

RS4425/6-EPL	6 Pieces Set/Rail 200mm	(g)
10EPL, 12EPL, 14EPL, 16EPL, 18EPL, 20EPL		390

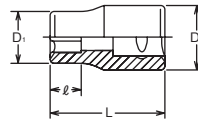
4450M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	6	36	44	10
11	16.5	21	6.5	36	46	10
12	17.8	21	7	36	46	10
13	19	22	8	36	57	10
14	20.3	22	8.5	36	54	10
15	21.5	22	9	36	52	10
16	22.8	22	9	36	60	10
17	24	23	9.5	36	68	10
18	25	24	10.5	36	77	10
19	26.5	25	11.5	36	85	10
21	29	27	12	37	110	10
22	30	28	12.5	37	105	10
24	32.8	30	14.5	39	130	5
27	36.5	33	16.5	40	139	5

RS4450M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		717

4400LH (LH-S)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
6S	13.2	21	5.6	36	44	10
8S	16.5	21	6.8	37	46	10
10S	19	22	8	37	53	10
12S	22.8	22	9.2	37	62	10
14S	25	24	10.4	37	74	10
16S	29	27	11.6	38	102	10

RS4400LH/6	6 Pieces Set/Rail 200mm	(g)
6S, 8S, 10S, 12S, 14S, 16S		430

4425-N TORX® Sockets Vasos TORX®

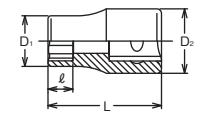


RS4425/6-N Socket Set on Rail Juego de Vasos en Regleta



4425-EPL TORX PLUS® Sockets Vasos TORX PLUS®

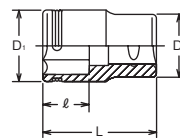
TORX plus



RS4425/6-EPL Socket Set on Rail Juego de Vasos en Regleta



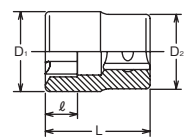
4450M Nut Grip Sockets Nut Grip® Vasos Sujeta-Tuercas Nut Grip®



RS4450M/10 Socket Set on Rail Juego de Vasos en Regleta



4400LH LHS Sockets Vasos LHS



RS4400LH/6 Socket Set on Rail Juego de Vasos en Regleta



TORX is a registered trademark of Acument Intellectual Properties, LLC.
 TORX es una marca registrada de Acument Intellectual Properties, LLC.
 TORX plus is a registered trademark of Acument Intellectual Properties, LLC.
 TORX plus es una marca registrada de Acument Intellectual Properties, LLC.
 LHS is a registered trademark of OSG CORPORATION System Engineering Department.
 LHS es una marca registrada de OSG CORPORATION System Engineering Department.

Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

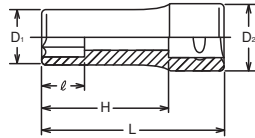
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

4300M • 4300A

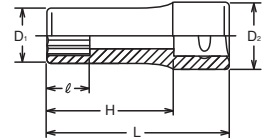
6-point Deep Sockets
Vasos Hexagonales Largos



4300M 4305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	9	59	77	76	10
9	13.8	21	10	59	77	82	10
10	15.3	21	11	59	77	86	10
11	16.5	21	12	59	77	86	10
12	17.8	21	13	59	77	92	10
13	19	21.8	14	59	77	106	10
14	20.3	21.8	15	59	77	115	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	139	10
18	25	24	19	59	77	149	10
19	26.5	25	20	58	77	165	10
20	27.8	26	21	58	77	183	10
21	29	27	23	58	77	190	10
22	30	28	27	57	77	200	10
23	31.5	29	27	57	77	233	10
24	32.8	30	27	57	77	249	10
25	34	31	27	57	77	270	10
26	35	32	27	56	77	279	10
27	36.5	33	28	56	77	303	10
28	37.8	34	28	56	77	331	10
29	39	35	28	55	77	357	10
30	40	36	34	55	77	342	10
31	41.5	37	34	55	77	384	10
32	42.8	38	34	55	77	405	10
33	44.2	39	35	54	77	420	5
34	45.2	40	35	54	77	442	5
36	47.2	41	35	53	77	484	5
37	48.2	42	38	53	77	475	5
38	49	44	38	53	77	490	5

4305M • 4305A

12-point Deep Sockets
Vasos Bihexagonales Largos



4300A 4305A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	13.2	21	9	59	77	76	10
3/8	14.6	21	10	59	77	82	10
7/16	16.5	21	12	59	77	86	10
1/2	19	21.8	14	59	77	106	10
9/16	20.3	21.8	15	59	77	115	10
19/32	21.5	21.8	16	59	77	123	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	139	10
11/16	25	24	19	59	77	149	10
3/4	26.5	25	20	58	77	165	10
25/32	27.8	26	21	58	77	183	10
13/16	29	27	23	58	77	190	10
7/8	30	28	27	57	77	200	10
15/16	32.8	30	27	57	77	249	10
31/32	34	31	27	57	77	270	10
1	35	32	27	56	77	279	10
1. 1/16	36.5	33	28	56	77	303	10
1. 1/8	37.8	34	28	56	77	331	10
1. 3/16	40	36	34	55	77	342	10
1. 1/4	42.8	38	34	55	77	405	10
1. 5/16	44.2	39	35	54	77	420	5
1. 3/8	46.2	40	35	54	77	422	5
1. 7/16	47.2	41	35	53	77	484	5
1. 1/2	49	44	38	53	77	523	5
1.13/16	59	48	38	51	77	791	5

RS4300M/10 RS4305M/10

Socket Set on Rail
Juego de Vasos en Regleta

RS4300A/10 RS4305A/10

Socket Set on Rail
Juego de Vasos en Regleta



RS4300M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		1,415

RS4305M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		1,415

RS4300A/10	10 Pieces Set/Rail 300mm	(g)
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		1,600

RS4305A/10	10 Pieces Set/Rail 300mm	(g)
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		1,600

1/2" Hand Sockets

4300M(L120) (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	9	102	120	120	5
10	15.3	21	11	102	120	138	5
12	17.8	21	13	102	120	157	5
14	20.3	21.8	15	102	120	193	5
16	22.8	22	17	102	120	210	5

4310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	9	59	77	79	10
9	13.8	21	10	59	77	82	10
10	15.3	21	11	59	77	82	10
11	16.5	21	12	59	77	86	10
12	17.8	21	13	59	77	92	10
13	19	21.8	14	59	77	106	10
14	20.3	21.8	15	59	77	115	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	139	10
18	25	24	19	59	77	149	10
19	26.5	25	20	58	77	165	10
20	27.8	26	21	58	77	183	10
21	29	27	23	58	77	190	10
22	30	28	27	57	77	200	10
23	31.5	29	27	57	77	233	10
24	32.8	30	27	57	77	249	10
25	34	31	27	57	77	270	10
26	35	32	27	56	77	279	10
27	36.5	33	28	56	77	303	10
28	37.8	34	28	56	77	334	10
29	39	35	28	55	77	357	10
30	40	36	34	55	77	342	10
31	41.5	37	34	55	77	384	10
32	42.8	38	34	55	77	405	10
34	45.2	40	35	54	77	442	5

RS4310M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		1,415

4325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 8	10.7	21	7	59	77	68	10
E10	13.2	21	8.2	59	77	99	10
E11	13.8	21	8.7	59	77	84	10
E12	14.6	21	9.3	59	77	99	10
E14	16.5	21	10.6	59	77	103	10
E16	19	21.8	11.8	59	77	107	10
E18	20.3	21.8	13	59	77	118	10
E20	22.8	22	14.4	59	77	141	10
E24	26.6	25	17	59	77	215	10

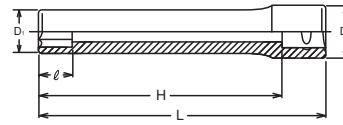
TORX® (E)



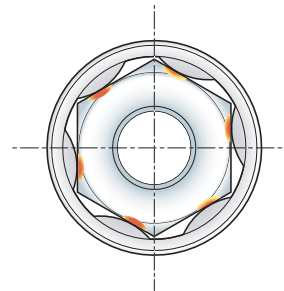
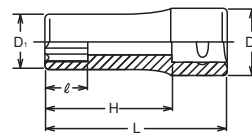
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

RS4325/7	7 Pieces Set/Rail 200mm	(g)
E10, E12, E14, E16, E18, E20, E24		900

4300M (L120) 6-point Extra Deep Sockets Vasos Hexagonales Extra Largos



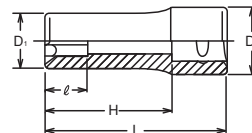
4310M Surface Drive Deep Sockets Vasos Surface Drive (de Contacto Curvo) Largos



RS4310M/10 Socket Set on Rail Juego de Vasos en Regleta



4325 TORX® Deep Sockets Vasos TORX® Largos



RS4325/7 Socket Set on Rail Juego de Vasos en Regleta



Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

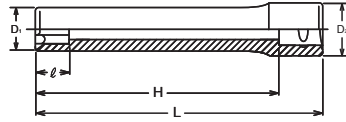
PROTECTOR
PROTECTORES



AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

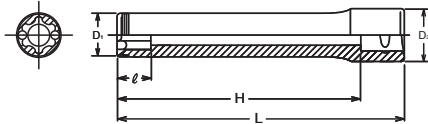
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4325 (L140) TORX® Extra Deep Sockets Vasos TORX® Extra Largos



4325(L140) (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
E 8	10.7	21	7	122	140	110	5
E10	13.2	21	8.2	122	140	140	5
E12	14.6	21	9.3	122	140	160	5
E14	16.5	21	10.6	122	140	180	5

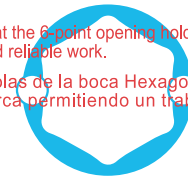
4325 (L140)-2B TORX® Extra Deep Sockets, Nut Grip® Vasos TORX® Extra Largos, Nut Grip®





NUT GRIP®

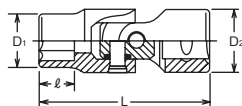
Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.



Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.





4325(L140) (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
E 8(2B)	10.7	21	7	122	140	110	5
E10(2B)	13.2	21	8.2	122	140	140	5
E12(2B)	14.6	21	9.3	122	140	160	5
E14(2B)	16.5	21	10.6	122	140	180	5

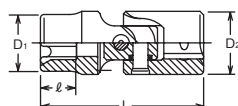
4440M • 4440A 6-point Universal Sockets Vasos Hexagonales con Articulación Universal





4440M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
9	14	25	8.3	63	150	10
10	15.3	25	8.8	63	155	10
11	16.5	25	10	65	158	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
15	21.5	25	13	68	149	10
16	22.8	25	13	68	150	10
17	24	25	14	69	150	10
18	25.3	25	14	69	150	10
19	26.5	25	15	71	170	10
20	27.8	25	15	71	173	5
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

4440A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10
3/4	26.5	25	15	71	170	10
7/8	30.3	25	16	72	185	5

4440T TORX® Universal Sockets Vasos TORX® con Articulación Universal

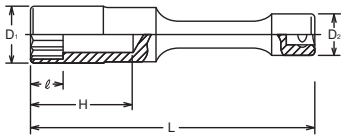


4440T (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
E10	13.2	25	8.2	62	145	10
E12	15	25	9.3	63	147	10
E14	16.3	25	10.6	65	148	10
E16	18.8	25	11.8	65	150	10
E18	20.4	25	13	67	153	10

1/2" Hand Sockets

4117M-125 • -250

Extension Deep Sockets
Vasos con Alargaderas



4117M.125 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
13	18.7	24	13	59	125	213	1
14	20.2	24	14	59	125	227	1
17	24	24	17	59	125	274	1
19	26.9	24	19	59	125	279	1
21	28.5	24	21	59	125	291	1
22	30	24	22	59	125	323	1
24	32	24	24	59	125	361	1
27	36.5	24	27	59	125	439	1
30	40	24	30	59	125	461	1
32	42	24	32	59	125	498	1

4117M.250 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
13	18.7	24	13	59	250	412	1
14	20.2	24	14	59	250	423	1
17	24	24	17	59	250	469	1
19	26.9	24	19	59	250	484	1
21	28.5	24	21	59	250	496	1
22	30	24	22	59	250	516	1
24	32	24	24	59	250	560	1
27	36.5	24	27	59	250	641	1
30	40	24	30	59	250	663	1
32	42	24	32	59	250	698	1

4000 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2	22	23.5	60	65	10
3	22	23.5	60	65	10
4	22	23.5	60	67	10

4000.60 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ2	22	23.5	60	65	10
PZ3	22	23.5	60	65	10

4005	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	1.2× 8	22	23.5	60	65	10
10	1.6×10	22	23.5	60	75	10
12	2.0×12	23	23.5	60	111	10
14	2.5×14	24	23.5	60	133	10
16	2.5×16	24	23.5	60	133	10

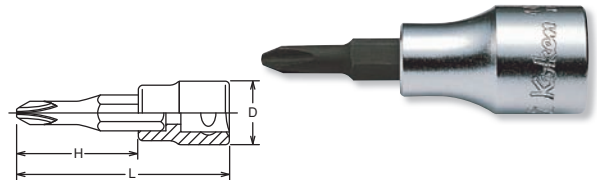
4001 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	21	38	60	49	10
2	21	38	60	53	10
3	21	38	60	55	10
4	21	38	60	57	10

4006	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0× 5.5	21	38	60	53	10
8	1.2× 8	21	38	60	62	10
10	1.6×10	21	38	60	67	10
12	2.0×12	21	38	60	72	10
14	2.5×14	21	38	60	81	10
16	2.5×16	21	38	60	88	10

⚠ 4001, 4006 are for hand use only.
Do not use with an impact wrench.

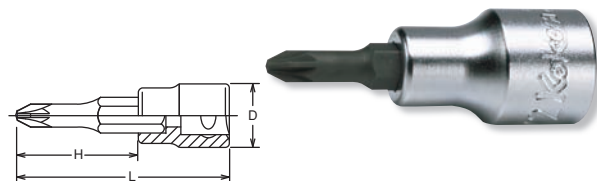
4000-60 (PH)

Phillips Bit Sockets
Vasos con Punta Phillips



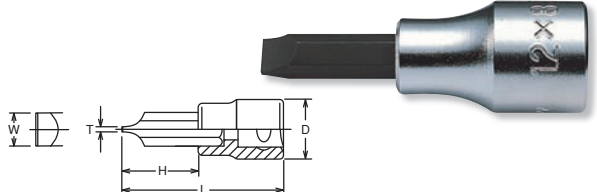
4000-60 (PZ)

PZ Bit Sockets
Vasos con Punta PZ



4005-60

Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas



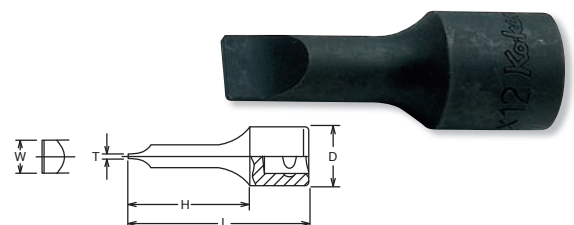
4001

Phillips Bit Sockets
Vasos con Punta Phillips ⚠



4006

Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas ⚠



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE HEZAS/REPUESTO

Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

4010M-50 · -75 · -100 · -160 4010A-60

 Inhex Bit Sockets
Vasos con Punta Hexagonal



4010M.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	13.5	50	61	10
5	22	13.5	50	62	10
6	22	13.5	50	64	10
7	22	13.5	50	65	10
8	22	13.5	50	66	10
10	22	13.5	50	75	10
12	23	13.5	50	105	10
13	24	13.5	50	120	10
14	24	13.5	50	120	10
16	25	15	50	150	10
17	25	15	50	150	10
18	27	15	50	200	5
19	27	15	50	200	5

4010M.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	63.5	100	77	10
5	22	63.5	100	78	10
6	22	63.5	100	80	10
7	22	63.5	100	82	10
8	22	63.5	100	84	10
10	22	63.5	100	109	10
12	23	63.5	100	155	10
13	24	63.5	100	180	5
14	24	63.5	100	180	5
16	25	60	100	250	5
17	25	60	100	250	5
18	27	58	100	300	5
19	27	58	100	300	5

4010M.75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	38.5	75	69	10
5	22	38.5	75	70	10
6	22	38.5	75	72	10
7	22	38.5	75	73	10
8	22	38.5	75	74	10
10	22	38.5	75	92	10
12	23	38.5	75	130	10
13	24	38.5	75	150	10
14	24	38.5	75	150	10
16	25	35	75	180	10
17	25	35	75	180	10
18	27	33	75	230	5
19	27	33	75	230	5

4010M.160 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	123.5	160	103	10
5	22	123.5	160	104	10
6	22	123.5	160	106	10
7	22	123.5	160	108	10
8	22	123.5	160	110	10
10	22	123.5	160	126	10
12	23	123.5	160	180	5
14	24	123.5	160	260	5
17	25	120	160	360	5
19	27	118	160	415	5

4010A.60 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 5/32	22	23.5	60	57	10
New 3/16	22	23.5	60	57	10
New 7/32	22	23.5	60	59	10
New 1/4	22	23.5	60	63	10
New 9/32	22	23.5	60	65	10
New 5/16	22	23.5	60	67	10
New 11/32	22	23.5	60	75	10
New 3/8	22	23.5	60	76	10
New 7/16	23	23.5	60	101	10
New 1/2	24	23.5	60	124	10
New 9/16	25	20	60	127	10
New 5/8	25	20	60	174	10
New 3/4	27	18	60	220	5



RS4010M/10-L50 RS4010M/10-L75 RS4010A/10-L60

  Socket Set on Rail
Juego de Vasos en Regleta

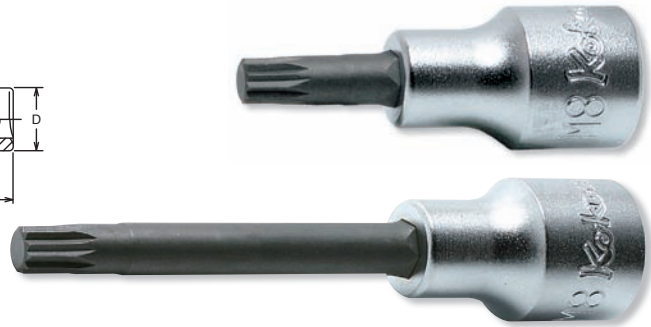
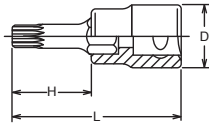


RS4010M/10-L50	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		968
RS4010M/10-L75	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,207
RS4010A/10-L60	10 Pieces Set/Rail 300mm	(g)
New 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4		1,080

1/2" Hand Sockets

4020-60 · -100 · -120 · -140

 XZN Bit Sockets
Vasos con Punta XZN



4020.60 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	61	10
M 8	22	23.5	60	63	10
M10	23	23.5	60	93	10
M12	23	23.5	60	97	10
M14	24	23.5	60	105	10
M16	25	20	60	165	10
M18	27	20	60	215	5

4020.100 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	63.5	100	77	10
M 6	22	63.5	100	78	10
M 8	22	63.5	100	80	10
M10	23	63.5	100	132	10
M12	23	63.5	100	136	10
M14	24	63.5	100	144	5
M16	25	60	100	250	5
M18	27	60	100	300	5

4020.120 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	83.5	120	86	10
M 6	22	83.5	120	87	10
M 8	22	83.5	120	89	10
M10	23	83.5	120	152	10
M12	23	83.5	120	156	10
M14	24	83.5	120	164	5

4020.140 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	103.5	140	95	10
M 6	22	103.5	140	96	10
M 8	22	103.5	140	98	10
M10	23	103.5	140	172	5
M12	23	103.5	140	176	5
M14	24	103.5	140	184	5

XZN



XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S	(ref. mm)	3.60	4.80	6.00	7.20	9.60	11.41	13.22	15.63	16.85












RS4020/6-L60	6 Pieces Set/Rail 150mm	(g)
M5, M6, M8, M10, M12, M14		500

RS4020/6-L60



Socket Set on Rail
Juego de Vasos en Regleta



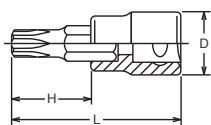
	 Phillips (PH)	 PZ	 Slotted	 HEX	 HEX (ball point)	 Triple Square (XZN)	 TORX® (T)	 TORX® (TH)	 TORXplus® (IP)	 Penta-Lobe (PR)	 Ribe-CV
1/4"	No.2000 series	No.2000(PZ) series	No.2005 series	No.2010M/A series	No.2011M series	No.2020 series	No.2025 series	No.2025(TH) series	No.2025(IP) series	No.2025(PR) series	—
3/8"	No.3000 No.3001 series	No.3000(PZ) series	No.3005 No.3006 series	No.3010M/A No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(PR) series	No.3027 series
1/2"	No.4000 No.4001 series	No.4000(PZ) series	No.4005 No.4006 series	No.4010M/A No.4012M/A series	—	No.4020 series	No.4025 series	—	No.4025(IP) series	—	No.4027 series

Hand Sockets 1/2"

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

4025-60 · -100 · -140 (T)

 TORX® Bit Sockets
Vasos con Punta TORX®

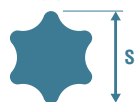


4025.60 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20	22	23.5	60	59	10
T25	22	23.5	60	60	10
T27	22	23.5	60	60	10
T30	22	23.5	60	60	10
T40	22	23.5	60	62	10
T45	22	23.5	60	64	10
T50	22	23.5	60	74	10
T55	23	23.5	60	96	10
T60	24	23.5	60	122	10
T70	24	23.5	60	135	10
New T80	24	20	60	168	10

4025.100 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20	22	73.5	100	76	10
T25	22	73.5	100	76	10
T27	22	73.5	100	77	10
T30	22	73.5	100	77	10
T40	22	73.5	100	78	10
T45	22	73.5	100	80	10
T50	22	73.5	100	98	10
T55	23	73.5	100	132	10
T60	24	73.5	100	170	5
T70	24	73.5	100	175	5

4025.140 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20	22	103.5	140	94	10
T25	22	103.5	140	95	10
T27	22	103.5	140	95	10
T30	22	103.5	140	95	10
T40	22	103.5	140	97	10
T45	22	103.5	140	99	10
T50	22	103.5	140	129	10
T55	23	103.5	140	175	5
T60	24	103.5	140	229	5
T70	24	103.5	140	245	5
New T80	24	100	140	320	5

TORX® (T)



T	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S (ref. mm)	2.30	2.48	2.72	3.26	3.84	4.40	4.96	5.49	6.60	7.77	8.79	11.17	13.20	15.49	17.51	19.88	22.09

RS4025/9-L60

 Socket Set on Rail
Juego de Vasos en Regleta



RS4025/9-L60	9 Pieces Set/Rail 250mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55, T60		700

4025-60-T35

 Bit Socket
Vasos con Punta



4025.60 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T35	22	23.5	60	96	10

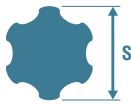
1/2" Hand Sockets

4025.60 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
20IP	22	23.5	60	60	10
25IP	22	23.5	60	60	10
27IP	22	23.5	60	60	10
30IP	22	23.5	60	60	10
40IP	22	23.5	60	60	10
45IP	22	23.5	60	64	10
50IP	22	23.5	60	74	10
55IP	23	23.5	60	96	10
60IP	24	23.5	60	122	10
70IP	24	23.5	60	170	10

4025.100 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
40IP	22	63.5	100	79	10
45IP	22	63.5	100	81	10
50IP	22	63.5	100	100	10
55IP	23	63.5	100	133	10
60IP	24	63.5	100	172	5
70IP	25	63.5	100	241	5

RS4025/9-IP	9 Pieces set/Rail 250mm	(g)
20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP, 60IP		700

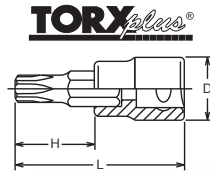
TORXplus® (IP)



IP	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S (ref. mm)	2.29	2.48	2.72	3.25	3.84	4.39	4.95	5.49	6.60	7.77	8.79	11.16	13.20	15.49

4025-60 · -100 (IP)

TORX PLUS® Bit Sockets
Vasos con Punta TORX PLUS®



RS4025/9-IP

Socket Set on Rail
Juego de Vasos en Regleta



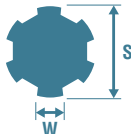
4027.60	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	62	10
M 7	22	23.5	60	63	10
M 8	22	23.5	60	64	10
M 9	22	23.5	60	70	10
M10	22	23.5	60	74	10
M12	23	23.5	60	96	10
M13	24	23.5	60	116	10
M14	24	23.5	60	122	10
M16	24	25	60	135	10

4027.100	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	63.5	100	67	10
M 6	22	63.5	100	68	10
M 7	22	63.5	100	75	10
M 8	22	63.5	100	81	10
M 9	22	63.5	100	90	10
M10	22	63.5	100	101	10
M12	23	63.5	100	134	10
M13	24	63.5	100	155	5
M14	24	63.5	100	173	5
M16	24	60	100	241	5

4027.140	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 8	22	103.5	140	98	10
M10	22	103.5	140	127	10
M12	23	103.5	140	171	5
M14	24	103.5	140	226	5
M16	24	100	140	320	5

RS4027/6-L60	6 Pieces set/Rail 200mm	(g)
M5, M6, M8, M10, M12, M14		600

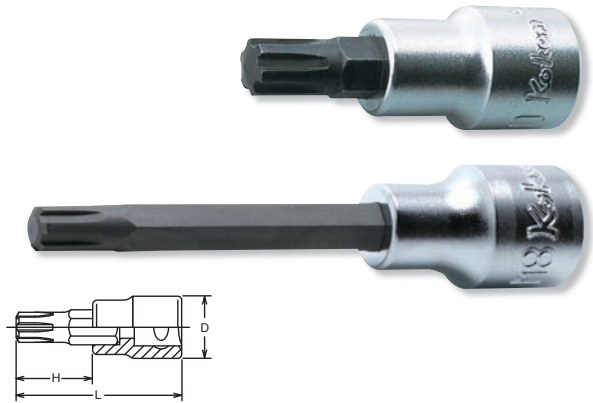
Ribe CV



CV	M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
S (ref. mm)	5	6	7	8	9	10	12	13	14	16
W (ref. mm)	1.1	1.3	1.4	1.7	1.9	2.2	2.6	3.0	3.1	3.5

4027-60 · -100 · -140

Bit Sockets for Ribe Screws
Vasos con Punta para Tornillos Ribe



RS4027/6-L60

Socket Set on Rail
Juego de Vasos en Regleta



Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

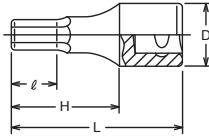
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

4012M-43 · -60 · -75 · -100

 Inhex Sockets
Vasos con Punta de Hexagonal 



4012M.43 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	21.1	11.5	23	43	40	10
5	21.1	11.5	23	43	46	10
6	21.1	11.5	23	43	42	10
7	21.1	11.5	23	43	46	10
8	21.1	11.5	23	43	49	10
9	21.1	11.5	23	43	63	10
10	23	11.5	23	43	63	10
11	25	11.5	23	43	74	10
12	25	11.5	23	43	81	10
13	25	11.5	23	43	85	10
14	25	11.5	23	43	88	10
15	26	11.5	23	43	91	10
16	26	11.5	23	43	100	10
17	26	11.5	23	43	101	10
18	26	11.5	23	43	106	10
19	26	11.5	23	43	110	10
20	26	11.5	23	43	130	10
21	26	11.5	23	43	140	10
22	26	11.5	23	43	145	10
23	28	11.5	23	43	167	10
24	28	11.5	23	43	170	10
27	32	11.5	23	43	226	10

4012M.75 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	21.1	15.5	53	75	52	10
5	21.1	15.5	53	75	58	10
6	21.1	15.5	53	75	62	10
7	21.1	15.5	53	75	70	10
8	21.1	15.5	53	75	74	10
9	21.1	15.5	53	75	88	10
10	23	15.5	53	75	94	10
11	25	15.5	53	75	119	10
12	25	15.5	53	75	122	10
13	25	15.5	53	75	137	10
14	25	15.5	53	75	148	10
15	26	15.5	53	75	151	10
16	26	15.5	53	75	171	10
17	26	15.5	53	75	184	10
18	26	15.5	53	75	196	10
19	26	15.5	53	75	212	10

4012M.60 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	21.1	15.5	38	60	49	10
5	21.1	15.5	38	60	55	10
6	21.1	15.5	38	60	56	10
7	21.1	15.5	38	60	60	10
8	21.1	15.5	38	60	64	10
9	21.1	15.5	38	60	78	10
10	23	15.5	38	60	78	10
11	25	15.5	38	60	100	10
12	25	15.5	38	60	107	10
13	25	15.5	38	60	111	10
14	25	15.5	38	60	122	10
15	26	15.5	38	60	125	10
16	26	15.5	38	60	134	10
17	26	15.5	38	60	141	10
18	26	15.5	38	60	153	10
19	26	15.5	38	60	159	10
21	26	15.5	38	60	197	10
22	26	22.5	38	60	205	10
23	28	22.5	38	60	242	10
24	28	22.5	38	60	245	10


4012M.100 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	24	15.5	78	100	75	10
5	24	15.5	78	100	81	10
6	24	15.5	78	100	85	10
7	24	15.5	78	100	93	10
8	24	15.5	78	100	97	10
9	24	15.5	78	100	111	10
10	24	15.5	78	100	117	10
11	24	15.5	78	100	142	10
12	24	15.5	78	100	143	10
13	24	15.5	78	100	158	10
14	24	15.5	78	100	169	10
15	24	15.5	78	100	172	10
16	24	15.5	78	100	192	5
17	24	15.5	78	100	215	5
18	24	15.5	78	100	227	5
19	24	15.5	78	100	243	5

RS4012M/10-L60

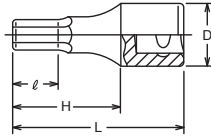
 Socket Set on Rail
Juego de Vasos en Regleta



RS4012M/10-L60	10 Pieces set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		910

 4012M/A are for hand use only.
Do not use with an impact wrench.

4012A-43 · -60 · -75 · -100



4012A.43 (inch)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/32	21.1	11.5	23	43	40	10
3/16	21.1	11.5	23	43	46	10
7/32	21.1	11.5	23	43	42	10
1/4	21.1	11.5	23	43	43	10
9/32	21.1	11.5	23	43	46	10
5/16	21.1	11.5	23	43	49	10
11/32	21.1	11.5	23	43	63	10
3/8	23	11.5	23	43	59	10
7/16	25	11.5	23	43	74	10
1/2	25	11.5	23	43	85	10
9/16	25	11.5	23	43	88	10
5/8	26	11.5	23	43	100	10
3/4	26	11.5	23	43	110	10

4012A.60 (inch)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/32	21.1	15.5	38	60	49	10
3/16	21.1	15.5	38	60	55	10
7/32	21.1	15.5	38	60	56	10
1/4	21.1	15.5	38	60	57	10
9/32	21.1	15.5	38	60	60	10
5/16	21.1	15.5	38	60	64	10
11/32	21.1	15.5	38	60	78	10
3/8	23	15.5	38	60	74	10
7/16	25	15.5	38	60	100	10
1/2	25	15.5	38	60	111	10
9/16	25	15.5	38	60	122	10
5/8	26	15.5	38	60	134	10
3/4	26	15.5	38	60	159	10

4012A.75 (inch)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/32	21.1	15.5	53	75	52	10
3/16	21.1	15.5	53	75	58	10
7/32	21.1	15.5	53	75	62	10
1/4	21.1	15.5	53	75	65	10
9/32	21.1	15.5	53	75	70	10
5/16	21.1	15.5	53	75	74	10
11/32	21.1	15.5	53	75	88	10
3/8	23	15.5	53	75	86	10
7/16	25	15.5	53	75	119	10
1/2	25	15.5	53	75	137	10
9/16	25	15.5	53	75	148	10
5/8	26	15.5	53	75	171	10
3/4	26	15.5	53	75	212	10

4012A.100 (inch)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/32	24	15.5	78	100	75	10
3/16	24	15.5	78	100	81	10
7/32	24	15.5	78	100	85	10
1/4	24	15.5	78	100	88	10
9/32	24	15.5	78	100	93	10
5/16	24	15.5	78	100	97	10
11/32	24	15.5	78	100	111	10
3/8	24	15.5	78	100	109	10
7/16	24	15.5	78	100	142	10
1/2	24	15.5	78	100	158	10
9/16	24	15.5	78	100	169	10
5/8	24	15.5	78	100	192	5
3/4	24	15.5	78	100	243	5

RS4012A/10-L60	10 Pieces set/Rail 300mm	(g)
3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4		950

RS4012A/10-L60



4012M/A are for hand use only.
Do not use with an impact wrench.

Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3749S-1/2 Reversible Ratchet Short Llave de Carraca Reversible Corta

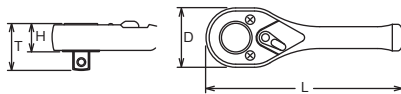


* Renewal Kits → 3749SRK-1/2 → P287

3749SB-1/2 Reversible Ratchet Short with Quick Release Button Llave de Carraca Reversible corta con botón de extracción rápida



* Renewal Kits → 3749SBRK-1/2 → P287



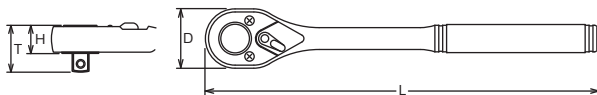
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3749S-1/2	34	29	14.4	110	200	5
3749SB-1/2	34	29	14.4	110	200	5

⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

4749N-250 Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 4749RK → P287



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
4749N-250	44.6	33	18.4	250	616	1

4749N-380 Reversible Ratchet Long Llave de Carraca Reversible Larga

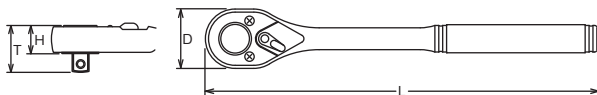


* Renewal Kits → 4749RK → P287

4749J-380 Reversible Ratchet Long Llave de Carraca Reversible Larga



* Renewal Kits → 4749RK → P287



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
4749N-380	44.6	33	18.4	380	753	1
4749J-380	44.6	33	18.4	380	743	1

[4750 series]



Two dogs are set in the same axis and the three teeth hold the ratchet gear.
The enlarged contact area produces an about 10% higher torque value and the S.O.D.H system provides smooth and light movements.

Se disponen dos trinquetes en el mismo eje y la rueda de la llave de carraca se bloquea por medio de tres dientes.
El aumento de la superficie de contacto produce un aumento del par de aproximadamente 10% y el sistema S.O.D.H permite movimientos suaves y sin esfuerzo.



* Renewal Kits → **4750RK** → P287

4750N Reversible Ratchet Llave de Carraca Reversible



4750P Reversible Ratchet Llave de Carraca Reversible



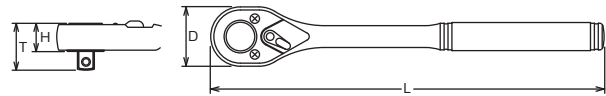
* Renewal Kits → **4750RK** → P287

4750J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → **4750RK** → P287

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4750N	38	35.9	21.3	250	548	1
4750P	38	35.9	21.3	250	553	1
4750J	38	35.9	21.3	250	508	1



4750NB Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida ⚠



* Renewal Kits → **4750BRK** → P287



4750PB Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida ⚠



* Renewal Kits → **4750BRK** → P287



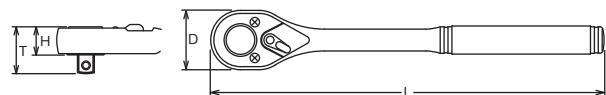
4750JB Reversible Ratchet with Quick Release Button Llave de Carraca con botón de extracción rápida ⚠



* Renewal Kits → **4750BRK** → P287



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4750NB	38	35.9	21.3	250	548	1
4750PB	38	35.9	21.3	250	553	1
4750JB	38	35.9	21.3	250	508	1



⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

CONSTRUCTION
CONSTRUCCIÓN

4752N Reversible Ratchet
Llave de Carraca Reversible

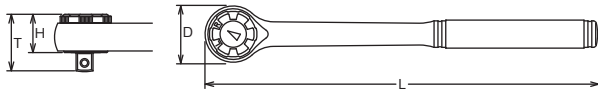


* Renewal Kits → **4752RK** → P287

4752J Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **4752RK** → P287



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4752N	35	38.8	24.5	250	480	1
4752J	35	38.8	24.5	250	470	1

[L/R Marking]



A pointer and L/R markings on the ratchet head indicate the turning direction. The reduced diameter of the head allows easier access in tight spots.

Una flecha y unas marcas L/R en el cabezal de la llave (L = Izquierda / R = Derecha) indican el sentido de giro. El diámetro reducido del cabezal permite un acceso más fácil en lugares estrechos.

4753N Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **4753RK** → P287

4753P Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **4753RK** → P287

4753J Reversible Ratchet
Llave de Carraca Reversible

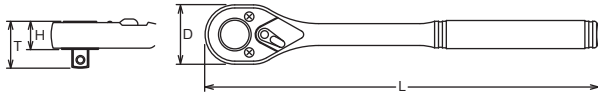


* Renewal Kits → **4753RK** → P287

D4753J Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **4753RK** → P287

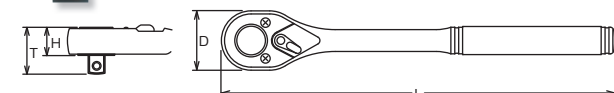


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753N	38	36.2	21.6	250	595	1
4753P	38	36.2	21.6	250	570	1
4753J	38	36.2	21.6	250	545	1
D4753J	38	36.2	21.6	250	510	1

4753P-410 Reversible Ratchet Long
Llave de Carraca Reversible Larga



* Renewal Kits → **4753RK** → P287



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753P-410	38	36.2	21.6	410	790	1

1/2" Hand Sockets

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION



* Renewal Kits → 4753BRK → P287

4753NB Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida ⚠



* Renewal Kits → 4753BRK → P287

4753PB Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida ⚠

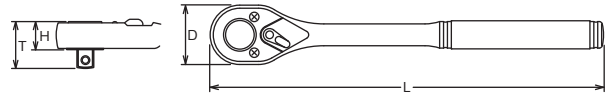


* Renewal Kits → 4753BRK → P287

4753JB Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida ⚠



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753NB	38	36.2	21.6	250	595	1
4753PB	38	36.2	21.6	250	570	1
4753JB	38	36.2	21.6	250	545	1



⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Reversible Ratchet with Quick Release Button :
Sockets and accessories are safely locked.
By pushing the button the sockets or extension bars are released from the ratchet.

Llave de Carraca Reversible con Botón de Extracción Rápida : Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.



GEAR TEETH



4749series



4753series



4750series



4752series



4774series



Hand Sockets **1/2"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4774N Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → **4753RK** → **P287**



4774P Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



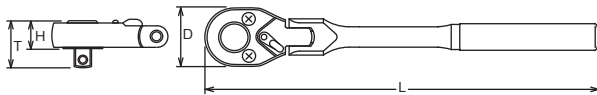
* Renewal Kits → **4753RK** → **P287**



4774J Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → **4753RK** → **P287**

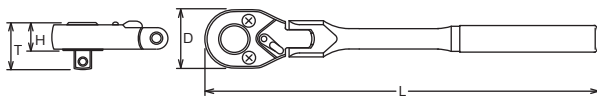


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4774N	38	36.2	21.6	330	700	1
4774P	38	36.2	21.6	330	700	1
4774J	38	36.2	21.6	330	685	1


4774P-450 Flexible Ratchet, Reversible 
Llave de Carraca Flexible, Reversible



* Renewal Kits → **4753RK** → **P287**



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4774P-450	38	36.2	21.6	450	790	1

 **4774P-450** has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

1/2" Hand Sockets



4774NB Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, reversible con botón de extracción rápida ⚠

* Renewal Kits → 4753BRK → P287



4774PB Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, reversible con botón de extracción rápida ⚠

* Renewal Kits → 4753BRK → P287

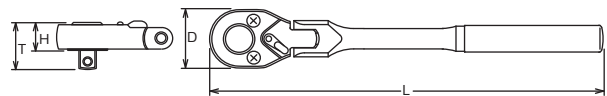


4774JB Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, reversible con botón de extracción rápida ⚠

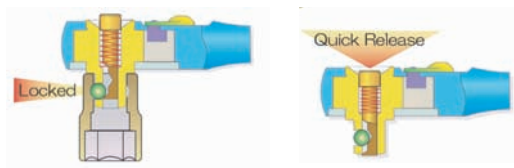
* Renewal Kits → 4753BRK → P287



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4774NB	38	36.2	21.6	330	700	1
4774PB	38	36.2	21.6	330	700	1
4774JB	38	36.2	21.6	330	685	1



⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.



Reversible Ratchet with Quick Release Button :
Sockets and accessories are safely locked.
By pushing the button the sockets or extension bars are released from the ratchet.

Llave de Carraca Reversible con Botón de Extracción Rápida : Los vasos y accesorios se bloquean en posición. Los vasos o las alargaderas se extraen de la llave apretando el botón.

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

4768N-300 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P288



4768N-380 • -450 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P288



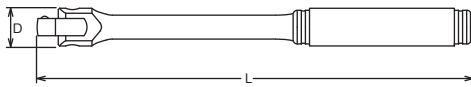
4768P-380 • -450 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P288



4768J-380 • -450 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P288



⚠ 4768-450 has longer handle than standard, and can be loaded to excessive torque value. Please use carefully.

	D (mm)	L (mm)	(g)	(pcs.)
4768N-300	28	300	600	2
4768N-380	28	380	696	2
4768N-450	28	450	784	2
4768P-380	28	380	665	2
4768P-450	28	450	748	2
4768J-380	28	380	600	1
4768J-450	28	450	690	1

4768N-600 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P288



4768P-600 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P288



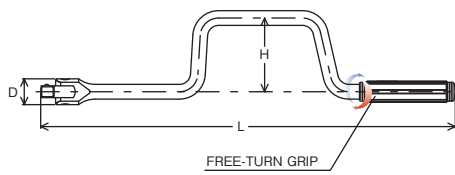
4768J-600 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P288



⚠ 4768-600 has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

	D (mm)	L (mm)	(g)	(pcs.)
4768N-600	28	600	1100	1
4768P-600	28	600	1170	1
4768J-600	28	600	1120	1



4781N-450 Flexible Speed Handle
Manivela Rápida Flexible



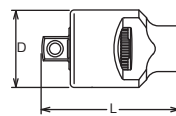
* Renewal Kits → 4768RK → P288

	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4781N-450	28	80	450	1000	1

4755 Ratchet Adaptor
Adaptador de carraca

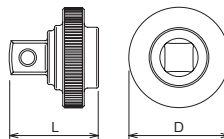


* Renewal Kits → 4755RK → P288



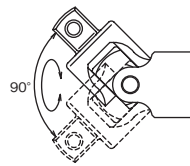
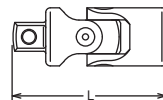
	D (mm)	L (mm)	(g)	(pcs.)
4755	33.5	65	270	5

4756 Quick Spinner
Disco de Giro Rápido



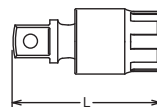
	D (mm)	L (mm)	(g)	(pcs.)
4756	38	34.5	95	10

4770 Universal Joint
Articulación Universal



	L (mm)	(g)	(pcs.)
4770	62.4	150	10

4771 Universal Joint
Articulación Universal



	L (mm)	(g)	(pcs.)
4771	57.7	113	10



Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

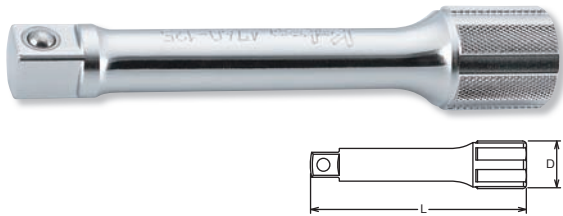
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4760-50 · -75 · -100 · -125 · -150 · -200 · -250 · -300 · -400 · -500 · -600 · -900 · -1000

Extension Bars
Alargaderas



4760	D (mm)	L (mm)	(g)	(pcs.)
50	24	50	92	10
75	24	75	138	10
100	24	100	158	5
125	24	125	194	5
150	24	150	266	5
200	24	200	295	5
250	24	250	358	5
300	24	300	492	2
400	24	400	650	1
500	24	500	808	1
600	24	600	968	1
900	24	900	1430	1
1000	24	1000	1593	1

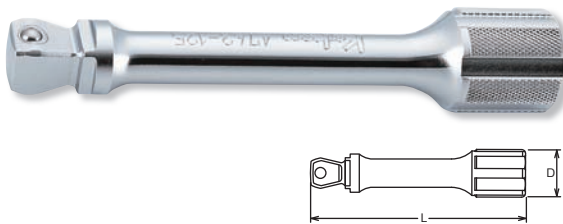
PK4760/5 Set Juego



PK4760/5	5 Pieces Set/△=1,050g
PLASTIC TRAY	
Extension Bars	
4760 Extension Bars 50, 75, 125, 150, 250	

4763-50 · -75 · -125 · -150 · -250 · -400

Wobble-Fix Extension Bars
Alargaderas Articuladas-Fijas ⚠



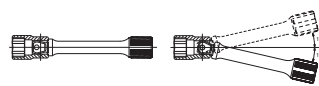
4763	D (mm)	L (mm)	(g)	(pcs.)
50	24	50	95	10
75	24	75	111	10
125	24	125	157	5
150	24	150	181	5
250	24	250	357	5
400	24	400	650	1

⚠ The Wobble-Fix Extension Bar has less strength than normal extension bar due to its specific design with a reduced square drive. Make sure to use it correctly.

PK4763/5 Set Juego



PK4763/5	5 Pieces Set/△=950g
PLASTIC TRAY	
Extension Bars	
4763 Wobble-Fix Extension Bars 50, 75, 125, 150, 250	



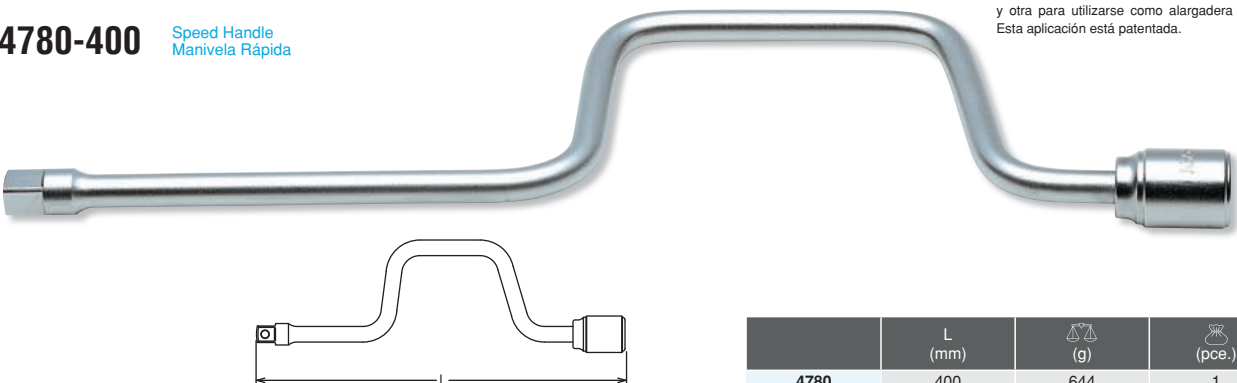
Wobble-Fix Extension Bar

Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

Alargadera Articulada-Fija

Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

4780-400 Speed Handle Manivela Rápida



4780	L (mm)	(g)	(pce.)
4780	400	644	1



4785 T-Handle
Mango Corredizo



Innovative Oval shaped bar provides higher durability and stops the sliding square part turning around the bar.

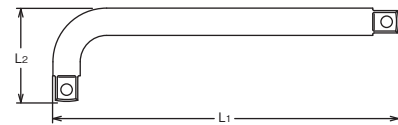
	L (mm)	(g)	(pcs.)
4785	300	410	2



4747 L-Handle
Mango Acodado



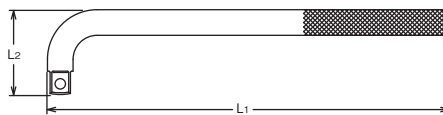
	L1 (mm)	L2 (mm)	(g)	(pcs.)
4747	260	50	470	1



4788-250 · -300 · -450 L-Handles
Mango Acodado



	L1 (mm)	L2 (mm)	(g)	(pcs.)
4788				
250	250	53	417	2
300	300	53	503	1
450	450	53	745	1



4433A-35 · -75 · -125 · -250 · -600

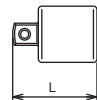
Adaptors
Adaptadores Warranty 290Nm
Garantía 290Nm ⚠

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)
4433A					
35	1/2"	3/8"	35	50	10
75	1/2"	3/8"	75	120	10
125	1/2"	3/8"	125	164	5
250	1/2"	3/8"	250	275	5
600	1/2"	3/8"	600	530	1

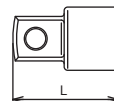
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)
4466A	1/2"	3/4"	42	108	10



4466A Adaptor
Adaptador



Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS/REPUSTO


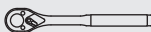
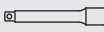

CONSTRUCTION
CONSTRUCCION

4222M Socket Set Juego de Vasos



4222M 13 Pieces Set/⚖️=2,780g

METAL CASE:W415xH120xT50mm


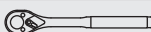
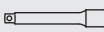

Sockets	Accessories
 4405M 12-pt. Sockets 10, 11, 12, 13, 14, 17, 19, 21, 22, 24	 4753N  4760-125  4770

4223M Socket Set Juego de Vasos



4223M 15 Pieces Set/⚖️=2,600g

METAL CASE:W415xH120xT50mm


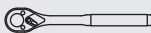


Sockets	Accessories
 4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	 4753N  4760-125  4770

4227M Bit Socket Set Juego de Vasos con Punta



4227M 10 Pieces Set/⚖️=2,550g

METAL CASE:W310xH150xT50mm


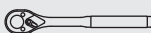

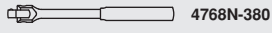

Sockets	Accessories
 4012M.75 Hex Bit Sockets 5, 6, 8, 10, 12, 14, 17	 4749N-250  4760-75  4760-125

4230M · 4230A Socket Sets Juegos de Vasos




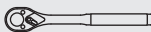


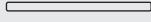
4230M 17 Pieces Set/⚖️=3,150g

METAL CASE:W395xH90xT50mm

Sockets	Accessories
 4405M 12-pt. Sockets 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26	 4753N  4760-125  4768N-380  4710

4230A 17 Pieces Set/⚖️=3,150g

METAL CASE:W395xH90xT50mm


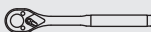


Sockets	Accessories
 4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1	 4753N  4760-125  4768N-380  4710

4232M Socket Set Juego de Vasos



4232M 16 Pieces Set/⚖️=3,300g

METAL CASE:W415xH120xT50mm

Sockets	Accessories
 4405M 12-pt. Sockets 8, 9, 10, 12, 13, 14, 17, 19, 21, 22, 23, 24, 26	 4753N  4760-125  4768N-380

1/2" Hand Sockets

HAND MANUALES Z-SERIES TITANIUM DE TITANIO ACCESSORIES ACCESORIOS SCREWDRIVERS DESTORNILLADORES IMPACT DE IMPACTO SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES PROTECTOR PROTECTORES AUTOMOTIVE CONSTRUCTION CONSTRUCCION RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

4240M-00 · 4240A-00
4240M-05 · 4240A-05



4240M-00	4400M	32 Pieces Set/△=4,400g
4240M-05	4405M	32 Pieces Set/△=4,400g
DISPLAY STAND:W410xH160xT500mm		
Sockets		
Sockets (2pcs.each)		
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 27, 30, 32		
4240A-00	4400A	32 Pieces Set/△=4,700g
4240A-05	4405A	32 Pieces Set/△=4,700g
DISPLAY STAND:W410xH160xT500mm		
Sockets		
Sockets (2pcs.each)		
3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4		



S4240M-00 · S4240A-00
S4240M-05 · S4240A-05



S4240M-00	4400M	117 Pieces Set/△=13,000g
S4240M-05	4405M	117 Pieces Set/△=13,000g
DISPLAY STAND:W510xH150xT230mm		
Sockets		
10mm:9pcs	16mm:9pcs	24mm:6pcs
11mm:9pcs	17mm:8pcs	27mm:5pcs
12mm:9pcs	19mm:7pcs	30mm:5pcs
13mm:9pcs	21mm:7pcs	32mm:4pcs
14mm:9pcs	22mm:6pcs	
15mm:9pcs	23mm:6pcs	
S4240A-00	4400A	103 Pieces Set/△=13,000g
S4240A-05	4405A	103 Pieces Set/△=13,000g
DISPLAY STAND:W510xH150xT230mm		
Sockets		
3/8" :9pcs	11/16":8pcs	1" :5pcs
7/16":9pcs	3/4" :7pcs	1.1/16":5pcs
1/2" :9pcs	13/16":7pcs	1.1/8" :5pcs
9/16":9pcs	7/8" :6pcs	1.3/16":5pcs
5/8" :9pcs	15/16":6pcs	1.1/4" :4pcs



Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUES

4238AM Socket Set Juego de Vasos



4238AM 38 Pieces Set/⚖️=8,050g

METAL CASE:W446xH266xT50mm

Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	4753N 4760-125 4760-250 4770 4780 4785
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	
4300C Spark Plug Socket 20.8	

4241M Socket Set Juego de Vasos



4241M 28 Pieces Set/⚖️=6,500g

METAL CASE:W445xH190xT50mm

Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	4753N 4760-125 4760-250 4768N-380 4770 4785

4241A Socket Set Juego de Vasos



4241A 19 Pieces Set/⚖️=5,350g

METAL CASE:W445xH190xT50mm

Sockets	Accessories
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	4753N 4760-125 4760-250 4768N-380 4770 4785

4244M • 4244A Socket Sets Juegos de Vasos



4244M 22 Pieces Set/⚖️=5,500g

METAL CASE:W445xH190xT50mm

Sockets	Accessories
4405M 12-pt. Sockets 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26, 29, 32	4753N 4760-125 4760-250 4768N-380 4770 4785 4710






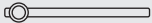
4244A 22 Pieces Set/⚖️=5,650g

METAL CASE:W445xH190xT50mm

Sockets	Accessories
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/8, 1.1/4	4753N 4760-125 4760-250 4768N-380 4770 4785 4710



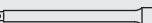

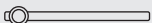
1/2" Hand Sockets

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPLUSTO

4248M 24 Pieces Set/△=5,700g	
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	 4753N  4760-125  4760-250  4770  4780  4785

4248M Socket Set
Juego de Vasos



4250M 18 Pieces Set/△=3,700g	
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	 4753N  4760-125  4760-250  4770  4785

4250M Socket Set
Juego de Vasos



4251M 22 Pieces Set/△=3,200g	
METAL CASE:W330xH68xT48mm	
Sockets	
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	

4251M · 4251A Socket Sets
Juegos de Vasos









4251A 18 Pieces Set/△=2,660g	
METAL CASE:W330xH68xT48mm	
Sockets	
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 19/32, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4	

4252M 13 Pieces Set/△=1,200g	
METAL CASE:W168xH60xT42mm	
Sockets	
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	

4252M · 4252A Socket Sets
Juegos de Vasos



4252A 13 Pieces Set/△=1,300g	
METAL CASE:W168xH60xT42mm	
Sockets	
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16	

4254 12 Pieces Set/△=1,070g	
METAL CASE:W215xH80xT47mm	
Sockets	Accessories
 3425- E6, E8	 4763-50
 4425- E10, E12, E14	 4433A-35
 3325- E6, E8	
 4325- E10, E12, E14	

4254 Socket Set
Juego de Vasos



Hand Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUES

4261M Socket Set Juego de Vasos



4261M 18 Pieces Set/⚖️=4,870g	
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
4405M 12-pt. Sockets 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 26, 27	4753N 4760-125 4760-250 4768N-380 4770

4263M Socket Set Juego de Vasos



4263M 21 Pieces Set/⚖️=6,100g	
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
4405M 12-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 23, 24, 26, 27	4753N 4760-125 4760-250 4768N-380 4770 4715S

4273AM Socket Set Juego de Vasos



4273AM 30 Pieces Set/⚖️=6,940g	
METAL CASE:W446xH266xT50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 26, 27	4753N 4760-125 4760-250 4768N-380 4770 4785
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	

P4241M-01 Socket Sets Juegos de Vasos

P4241M-06


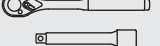
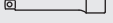
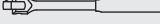

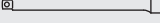
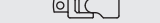
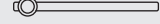




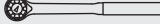

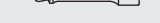
P4241M-01 28 Pieces Set/⚖️=6,400g	
PLASTIC CASE:W425xH332xT65mm	
Sockets	Accessories
4401M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	4753J 4760-125 4760-250 4768J-380 4770 4785


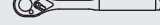

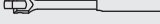

P4241M-06 28 Pieces Set/⚖️=6,400g	
PLASTIC CASE:W425xH332xT65mm	
Sockets	Accessories
4406M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	4753J 4760-125 4760-250 4768J-380 4770 4785


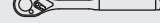

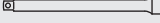


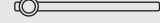
1/2" Hand Sockets


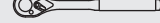
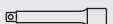
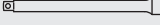


HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

4275		24 Pieces Set/△=5.340g	
METAL CASE:W445xH190xT50mm			
Sockets	Accessories		
 4400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	 4750N	 4760-125	 4768N-380
 4300C Spark Plug Sockets 16, 20.8	 4760-250	 4770	 4785
 4300M Wheel Nut Sockets 17(L60), 19(L60), 21(L60)			

4276		17 Pieces Set/△=2.890g	
METAL CASE:W370xH150xT50mm			
Sockets	Accessories		
 4010M.50 Bit Sockets 6, 7, 8, 10, 12, 14	 4752N		
 4025.60 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50, T55, T60	 4763-125		

4277		27 Pieces Set/△=5.660g	
METAL CASE:W445xH190xT50mm			
Sockets	Accessories		
 4405M 12-pt. Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	 4750N	 4760-125	 4768N-380
 4305M 12-pt. Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24			

4279AM		36 Pieces Set/△=6.000g	
METAL CASE:W445xH190xT50mm			
Sockets	Accessories		
 4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	 4753N	 4760-125	 4760-250
 4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	 4770	 4785	

4289M		18 Pieces Set/△=4.200g	
METAL CASE:W445xH190xT50mm			
Sockets	Accessories		
 4405M 12-pt. Sockets 8, 10, 12, 13, 14, 17, 19, 21, 22, 24, 27, 30, 32	 4753N	 4760-125	 4760-250
	 4768N-450	 4771	

4275 Socket Set
Juego de Vasos



4276 Socket Set
Juego de Vasos



4277 Socket Set
Juego de Vasos



4279AM Socket Set
Juego de Vasos



4289M Socket Set
Juego de Vasos





Hand Sockets 3/4"

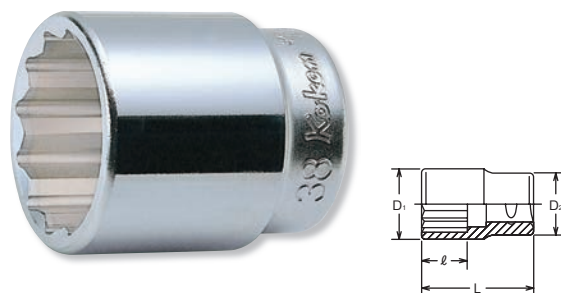
HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO



6400M • 6400A 6-point Sockets Vasos Hexagonales



6400M 6405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
17	26	34	12.5	50	175	5
18	27	34	13	50	178	5
19	28.5	34	13.5	50	179	5
20	29.5	34	14	50	185	5
21	31	34	14.5	50	185	5
22	32	34	15	50	187	5
23	33.5	34	16	50	187	5
24	34.5	34	17	50	200	5
25	36	34	17.5	50	217	5
26	37	34	18	50	222	5
27	38.5	37	19	53	254	5
28	39.5	38	19.5	53	298	5
29	41	38	20	55	292	5
30	42	38	21	55	301	5
31	43.5	38	22	57	294	5
32	44.5	40	23	57	351	5
33	46	40	23.5	57	384	5
34	47	40	24	57	397	5
35	48.5	42	24.5	59	422	5
36	49.5	42	25	59	438	5
37	51	42	25.5	59	484	5
38	52	45	26	59	523	5
39	53.5	45	26.5	59	538	5
40	54.5	45	27	62	550	5
41	56	47	28	62	633	5
42	57	47	28.5	62	652	2
43	58.5	47	29	62	659	2
44	59.5	47	29.5	62	657	2
45	61	47	30	68	734	2
46	62	47	31	68	791	2
47	63.5	48	31.5	68	816	2
48	64.5	45	32	68	800	2
50	67	48	34	68	880	2
52	69.5	53	33	72	925	2
54	72	55	33	72	1040	2
55	73.5	53	36	72	1006	2
56	74.5	53	36	72	1092	2
57	76	53	36	72	1169	2
58	77	53	36	72	1149	2
60	79.5	58	39	76	1402	2
63	83.5	58	39	76	1494	2
65	86	63	42	80	1608	2
70	92	68	45	84	1785	2
75	98.5	73	48	86	2186	1
78	102.1	73	55	86	2425	2
80	104.5	78	52	90	2475	1
85	111	78	52	90	2620	1



6405M • 6405A 12-point Sockets Vasos Bihexagonales



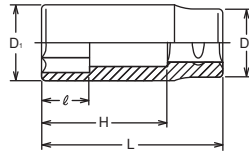
6400A 6405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
11/16	27	34	13	50	178	5
3/4	28.5	34	13.5	50	179	5
25/32	29.5	34	14	50	185	5
13/16	31	34	14.5	50	185	5
7/8	32	34	15	50	187	5
15/16	34.5	34	17	50	200	5
31/32	36	34	17.5	50	217	5
1	37	34	18	50	222	5
1. 1/16	38.5	37	19	53	254	5
1. 1/8	41	38	20	53	292	5
1. 3/16	42	38	21	55	301	5
1. 1/4	44.5	40	23	57	351	5
1. 5/16	46	40	23.5	57	384	5
1. 3/8	48.5	42	24.5	57	422	5
1. 7/16	51	42	25.5	59	484	5
1. 1/2	52	45	26	59	523	5
1. 9/16	54.5	45	27	59	550	5
1. 5/8	56	47	28	62	633	5
1.11/16	58.5	47	29	62	659	2
1. 3/4	59.5	47	29.5	62	657	2
1.13/16	62	47	31	68	791	2
1. 7/8	64.5	45	32	68	892	2
1.15/16	66	48	32.5	68	870	2
2	68.5	52	34.5	68	949	2
2. 1/16	71	54	33	72	983	2
2. 1/8	72	55	33	72	1040	2
2. 3/16	74.5	53	36	72	1092	2
2. 1/4	76	53	36	72	1169	2
2. 5/16	78.5	53	36	72	1344	2
2. 3/8	79.5	58	39	76	1402	2
2. 7/16	82	58	39	76	1420	2
2. 1/2	84.5	58	39	76	1497	2
2. 9/16	86	63	42	80	1608	2
2. 5/8	88.5	63	42	80	1709	2
2.11/16	89.5	63	42	80	1634	2
2. 3/4	92	68	45	84	1785	2
2.13/16	94.5	68	45	84	2018	2
2. 7/8	96	68	45	84	2062	2
2.15/16	98.5	73	48	86	2186	1
3	101	73	48	86	2309	1
3. 1/8	104.5	78	52	90	2475	1



6425 TORX® Sockets Vasos TORX®



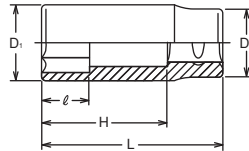
6425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
New E18	22.1	34	11.9	50	156	5
New E20	24.6	34	13.3	50	166	5
New E22	27.1	34	14.4	50	178	5
New E24	28.6	34	16	50	185	5
New E26	31.1	34	17.7	55	217	5
New E28	32.1	34	24.1	60	237	5
New E30	35	34	24.1	60	242	5
New E32	36.1	34	24.1	60	247	5



6300M • 6300A 6-point Deep Sockets Vasos Hexagonales Largos





6300M 6305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
17	26	34	18	64	90	278	5
18	27	34	19	64	90	281	5
19	28.5	34	20	64	90	292	5
20	29.5	34	21	64	90	334	5
21	31	34	22	64	90	343	5
22	32	34	23	64	90	347	5
23	33.5	34	24	64	90	361	5
24	34.5	34	25	64	90	352	5
25	36	34	26	64	90	369	5
26	37	34	27	64	90	384	5
27	38.5	37	28	64	90	425	5
28	39.5	38	29	63	90	470	5
29	41	38	30	63	90	503	5
30	42	38	31	63	90	503	5
31	43.5	38	32	62	90	517	5
32	44.5	40	34	62	90	544	5
33	46	40	34	62	90	557	5
34	47	40	35	61	90	570	5
35	48.5	42	36	61	90	622	5
36	49.5	42	37	61	90	631	2
38	52	45	39	60	90	710	2
40	54.5	45	41	60	90	742	2
41	56	47	42	59	90	802	2
42	57	47	43	59	90	829	2
44	59.5	47	45	59	90	838	2
46	62	47	47	58	90	906	2
48	64.5	50	49	57	90	998	2
50	67	48	51	57	90	1005	2
52	69.5	53	49	—	100	1270	2
53	71	54	49	—	100	1338	2
54	72	55	49	—	100	1351	2
55	73.5	53	52	—	100	1388	2
56	74.5	53	52	—	100	1389	2
57	76	53	52	—	100	1467	2
58	77	53	52	—	100	1480	2
60	79.5	58	55	—	100	1626	2
63	83.5	58	55	—	100	1740	2

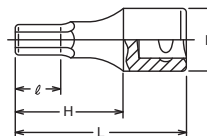
6305M • 6305A 12-point Deep Sockets Vasos Bihexagonales Largos



6300A 6305A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3/4	28.5	34	20	64	90	292	5
25/32	29.5	34	21	64	90	334	5
13/16	31	34	22	64	90	343	5
7/8	32	34	23	64	90	347	5
15/16	34.5	34	25	64	90	352	5
1	37	34	27	64	90	384	5
1. 1/16	38.5	37	28	64	90	425	5
1. 1/8	41	38	30	63	90	503	5
1. 3/16	42	38	31	63	90	503	5
1. 1/4	44.5	40	34	62	90	544	5
1. 5/16	46	40	34	62	90	557	5
1. 3/8	48.5	42	36	61	90	622	5
1. 7/16	51	42	38	61	90	656	2
1. 1/2	52	45	39	60	90	710	2
1. 9/16	54.5	45	41	60	90	742	2
1. 5/8	56	47	42	59	90	802	2
1.11/16	58.5	47	44	59	90	831	2
1. 3/4	59.5	47	45	59	90	838	2
1.13/16	62	47	47	58	90	906	2
2	68.5	52	52	57	90	1061	2
2. 1/16	71	54	49	—	100	1338	2
2. 1/8	72	55	49	—	100	1351	2
2. 3/16	74.5	53	52	—	100	1389	2
2. 1/4	76	53	52	—	100	1467	2
2. 5/16	78.5	53	52	—	100	1787	2
2. 3/8	79.5	58	55	—	100	1626	2
2. 7/16	82	58	55	—	100	1715	2

6012M.75 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
12	35	15.5	40	75	253	10
14	35	15.5	40	75	265	10
15	35	15.5	40	75	271	10
16	35	15.5	40	75	285	10
17	35	15.5	40	75	292	10
18	35	15.5	40	75	302	10
19	35	15.5	40	75	312	10
20	35	15.5	40	75	323	10
22	38	22.5	40	75	340	10
24	38	22.5	40	75	362	10
27	38	22.5	40	75	402	10
30	38	28.5	40	75	445	10
32	38	28.5	40	75	485	10
36	42	28.5	40	75	663	10

6012M-75 Inhex Sockets Vasos con Punta Hexagonal



Hand Sockets **3/4"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

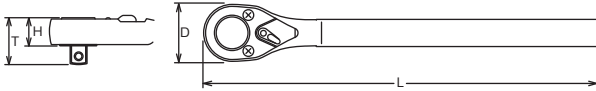
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

6749 Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → **6749RK** → P287

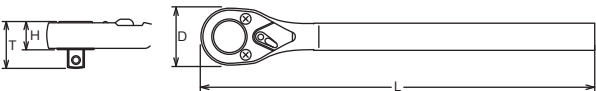


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
6749	68	49.6	29.6	565	2800	1

6749-1000 Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → **6749RK** → P287

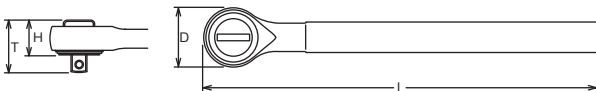


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
6749-1000	68	49.6	29.6	1000	3600	1

6752 Reversible Ratchet Llave de Carraca Reversible

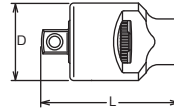


* Renewal Kits → **6752RK** → P287



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
6752	67	55.5	35.5	500	2380	1

6755 Ratchet Adaptor Adaptador de carraca



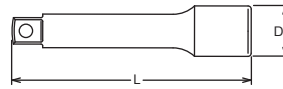
60

* Renewal Kits → 6755RK → P288

	D (mm)	L (mm)	(g)	(pcs.)
6755	62	97	1162	1



6760-75 · -100 · -125 · -150 · -200 · -300 · -400 Extension Bars Alargaderas



6760	D (mm)	L (mm)	(g)	(pcs.)
75	35	75	335	10
100	35	100	434	10
125	35	125	528	10
150	35	150	624	2
200	35	200	815	1
300	35	300	1203	1
400	35	400	1585	1



Hand Sockets **3/4"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
MANGOS

INDUSTRIAL
INDUSTRIALES

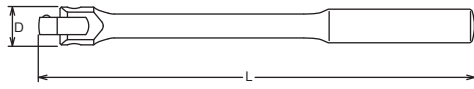
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

6768 Hinge Handle
Mango Articulado



* Renewal Kits → **6768RK** → **P288**

	D (mm)	L (mm)	(g)	(pce.)
6768	42	450	1715	1

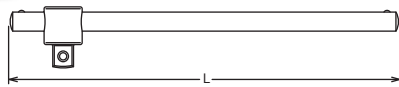
6768-600 · -1000 Hinge Handles
Mangos Articulados



* Renewal Kits → **6768RK** → **P288**

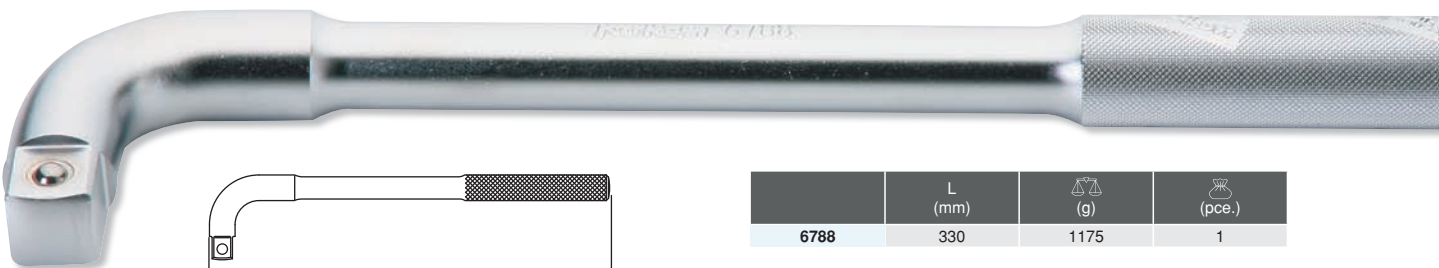
	D (mm)	L (mm)	(g)	(pce.)
6768				
600	42	600	2800	1
1000	42	1000	3400	1

6785 T-Handle
Mango Corredizo



	L (mm)	(g)	(pce.)
6785	500	1542	1

6788 L-Handle
Mango Acodado

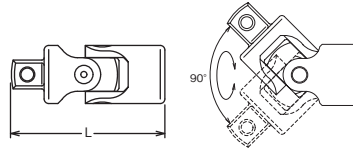


	L (mm)	(g)	(pce.)
6788	330	1175	1

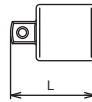
6770 Universal Joint
Articulación Universal



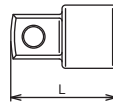
	L (mm)	(g)	(pcs.)
6770	105	478	2



6644A Adaptor Warranty 668Nm
Adaptador Garantía 668Nm ⚠



6688A Adaptor
Adaptador



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)
6644A	3/4"	1/2"	47	136	5
6688A	3/4"	1"	60	285	5

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

Hand Sockets 3/4"

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

6201M • 6201A Socket Sets Juegos de Vasos



6201M		16 Pieces Set/△=17,300g	
METAL CASE:W580×H200×T85mm			
Sockets		Accessories	
6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50, 55, 60			6749
			6760-200
			6760-400
			6768
			6785

6201A		18 Pieces Set/△=17,600g	
METAL CASE:W580×H200×T85mm			
Sockets		Accessories	
6405A 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.7/16, 1.1/2, 1.5/8, 1.11/16, 1.13/16, 1.7/8, 2			6749
			6760-200
			6760-400
			6768
			6785

6212M • 6212A Socket Sets Juegos de Vasos



6212M		12 Pieces Set/△=11,000g	
METAL CASE:W580×H124×T70mm			
Sockets		Accessories	
6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50			6749
			6760-200
			6785

6212A		12 Pieces Set/△=11,000g	
METAL CASE:W580×H124×T70mm			
Sockets		Accessories	
6405A 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.3/16, 1.1/4, 1.7/16, 1.5/8, 1.13/16, 2			6749
			6760-200
			6785

Sockets in sets can be supplied in 6-pt. or 12-pt. format.

6260M • 6260A Socket Sets Juegos de Vasos



6260M		20 Pieces Set/△=15,800g	
METAL CASE:W580×H200×T85mm			
Sockets		Accessories	
6405M 12-pt. Sockets 21, 23, 26, 29, 31, 32, 34, 35, 36, 38, 41, 46, 50	6749 6760-75 6760-200 6760-400 6770 6785		
6101 Drag Link Socket			

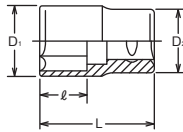
6260A		25 Pieces Set/△=19,000g	
METAL CASE:W580×H200×T85mm			
Sockets		Accessories	
6405A 12-pt. Sockets 15/16, 31/32, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2, 1.9/16, 1.5/8, 1.11/16, 1.3/4, 1.13/16, 1.7/8, 2	6749 6760-75 6760-200 6760-400 6770 6785		
6101 Drag Link Socket			



6268M Socket Sets Juegos de Vasos



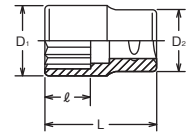
6268M		15 Pieces Set/△=12,500g	
METAL CASE:W580×H124×T70mm			
Sockets		Accessories	
6405M 12-pt. Sockets 19, 22, 24, 27, 29, 30, 32, 36, 38, 41, 46, 50	6749 6760-200 6768		



8400M • 8400A 6-point Sockets Vasos Hexagonales



8400M 8405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)
24	36.5	44	17	60	348	1
27	40.5	44	19	60	362	1
30	44	45	21	65	410	1
32	46.5	45	23	65	455	1
33	48	46	23.5	65	485	1
35	50.5	48	24.5	65	536	1
36	51.5	48	25	65	600	1
38	54	50	26	65	624	1
40	56.5	53	27	65	686	1
41	58	53	28	68	747	1
42	59	53	28.5	68	789	1
46	64	53	31	72	928	1
50	69	53	34	72	943	1
54	74	55	37	72	1016	1
55	75.5	53	42	77	1167	1
58	79	53	41	77	1200	1
60	81.5	58	46	82	1440	1
63	85.5	58	45	82	1470	1
65	88	63	49	86	1683	1
67	90.5	63	49	86	1840	1
68	91.5	63	49	86	1800	1
70	94	68	50	88	1963	1
71	95.5	68	50	88	2200	1
75	100.5	73	53	90	2204	1
78	104	75	52.5	90	2500	1
80	106.5	75	58	95	2550	1
83	110.5	78	57	95	2730	1
85	113	80	57	95	2680	1
90	119	80	59	100	3420	1
95	125.5	85	58	100	4900	1
100	131.5	85	57	100	4840	1

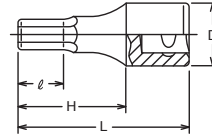
8405M • 8405A 12-point Sockets Vasos Bihexagonales



8400A 8405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)
15/16	36.5	44	17	60	355	1
1. 3/16	44	45	21	65	410	1
1. 1/4	46.5	45	23	65	455	1
1. 5/16	48	46	23.5	65	485	1
1. 3/8	50.5	48	24.5	65	536	1
1. 7/16	53	50	25.5	65	607	1
1. 1/2	54	50	26	65	624	1
1. 9/16	56.5	53	27	65	686	1
1. 5/8	58	53	28	68	747	1
1.11/16	60.5	53	29	68	830	1
1. 3/4	61.5	53	29.5	68	807	1
1.13/16	64	53	31	72	928	1
1. 7/8	66.5	53	32	72	936	1
1.15/16	68	53	32.5	72	941	1
2	70.5	53	37	72	976	1
2. 1/16	73	54	37	72	1027	1
2. 1/8	74	55	37	72	1016	1
2. 3/16	76.5	53	41	77	1192	1
2. 1/4	78	53	41	77	1177	1
2. 5/16	80.5	53	41	77	1292	1
2. 3/8	81.5	58	46	82	1440	1
2. 7/16	84	58	45	82	1495	1
2. 1/2	86.5	58	45	82	1497	1
2. 9/16	88	63	49	86	1683	1
2. 5/8	90.5	63	49	86	1840	1
2.11/16	91.5	63	49	86	1800	1
2. 3/4	94	68	50	88	1963	1
2.13/16	96.5	68	50	88	2035	1
2. 7/8	98	70	50	88	2100	1
2.15/16	100.5	73	53	90	2204	1
3	103	75	53	90	2406	1
3. 1/8	106.5	75	58	95	2550	1
3. 1/4	110.5	78	57	95	2730	1
3. 3/8	114	80	57	95	3050	1
3. 1/2	119	80	59	100	3420	1
3. 3/4	125.5	85	58	100	4900	1

8012M.80 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	44.2	15.5	45	80	400	5
19	44.2	15.5	45	80	410	5
22	47.9	22.5	45	80	436	5
24	47.9	22.5	45	80	471	5
27	47.9	22.5	45	80	526	5
30	47.9	22.5	45	80	658	5
32	47.9	22.5	45	80	715	5
36	54.2	22.5	45	80	945	5

8012M-80 Inhex Sockets Vasos con Punta de Hexagonal

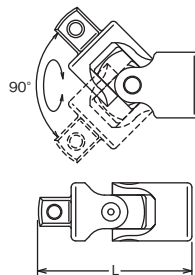


8760-200 · -400 Extension Bars Alargaderas



8760	D (mm)	L (mm)	(g)	(pcs.)
200	44	200	1300	1
400	44	400	2570	1

	L (mm)	(g)	(pcs.)
8770	143	1170	1




8770 Universal Joint Articulación Universal

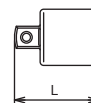


8866A Adaptor Warranty 1850Nm Adaptador Garantía 1850Nm

	(mm)	(mm)	L (mm)	(g)	(pcs.)
8866A	1"	3/4"	60	338	5

 Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.



Hand Sockets 1”

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

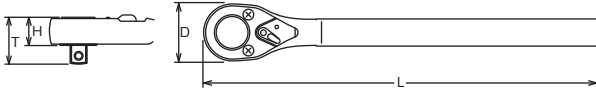
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

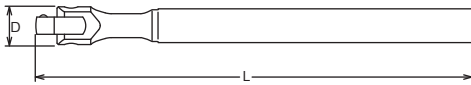
8749 Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 8749RK → P287

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
8749	70	62.2	36.2	800	4090	1

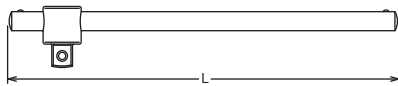
8768 Hinge Handle
Mango Articulado



* Renewal Kits → 8768RK → P288

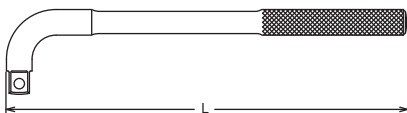
	D (mm)	L (mm)	(g)	(pce.)
8768	55	600	3190	1

8785 T-Handle
Mango Corredizo



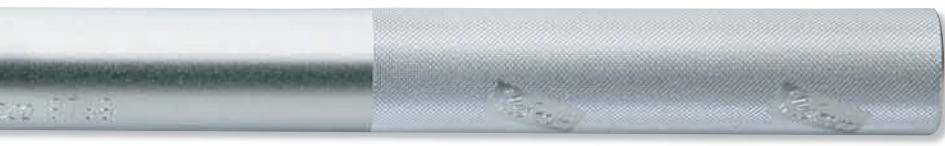
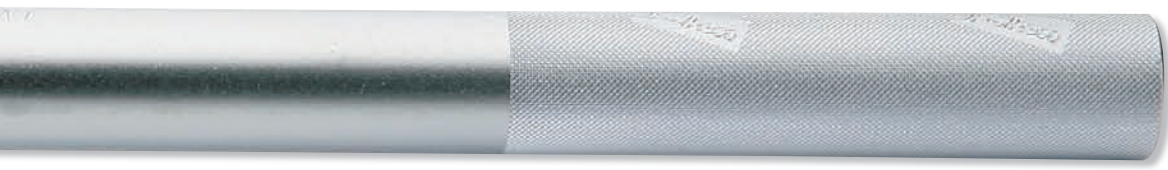
	L (mm)	(g)	(pce.)
8785	550	3190	1

8788 L-Handle
Mango Acodado



	L (mm)	(g)	(pce.)
8788	600	3600	1












1" Hand Sockets














HAND MANUALES	Z-SERIES	TITANIUM DE TITANIO	ACCESSORIES ACCESORIOS	SCREWDRIVERS DESTORNILLADORES	IMPACT DE IMPACTO	SLEEVE-DRIVE	INDUSTRIAL INDUSTRIALES	PROTECTOR PROTECTORES	AUTOMOTIVE	CONSTRUCTION CONSTRUCCION	RENEWAL KITS JUEGOS DE PIEZAS/REPOSTO
---------------	----------	---------------------	------------------------	-------------------------------	-------------------	--------------	-------------------------	-----------------------	------------	---------------------------	---------------------------------------

8200M • 8200A Socket Sets Juegos de Vasos














8200M		12 Pieces Set/⚖️=18,600g	
METAL CASE:W600xH150xT110mm			
Sockets		Accessories	
 8405M 12-pt. Sockets 35, 38, 41, 46, 50, 54, 58, 63			8760-200
			8760-400
			8770
			8785
			

8200A		12 Pieces Set/⚖️=18,600g	
METAL CASE:W600xH150xT110mm			
Sockets		Accessories	
 8405A 12-pt. Sockets 1.7/16, 1.1/2, 1.5/8, 1.13/16, 2, 2.1/8, 2.1/4, 2.1/2			8760-200
			8760-400
			8770
			8785
			

8225M Socket Set Juego de Vasos



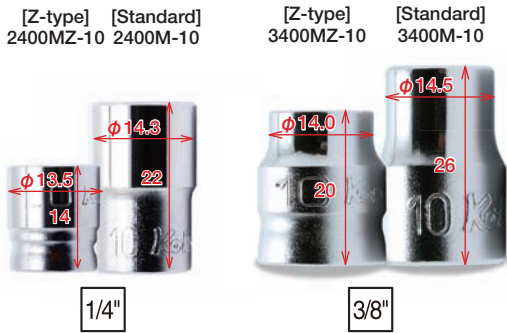
8225M		15 Pieces Set/⚖️=27,000g	
METAL CASE:W620xH217xT97mm			
Sockets		Accessories	
 8405M 12-pt. Sockets 32, 33, 36, 41, 46, 50, 55, 60, 65, 70, 75, 80			8749
			8760-200
			8760-400
			
			

Sockets in sets can be supplied in 6-pt. or 12-pt. format.

Z-series

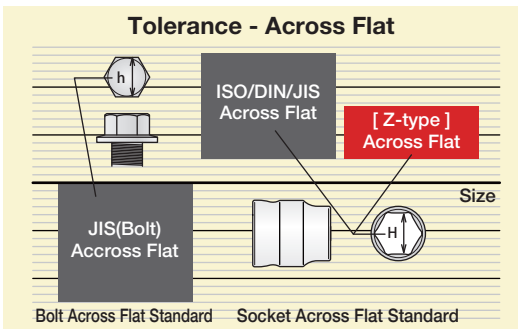


Z-Series : Feature



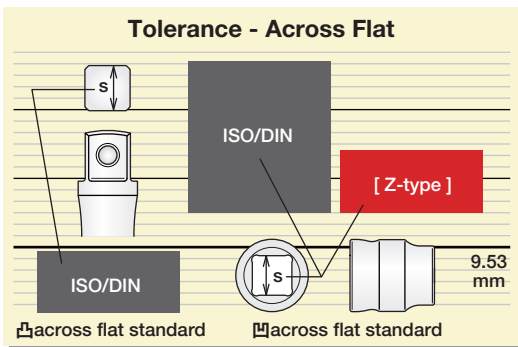
COMPACT

2400MZ and 3400MZ are designed 5-9mm shorter than standard 2400M and 3400M. Ideal for working in confined and tight areas.



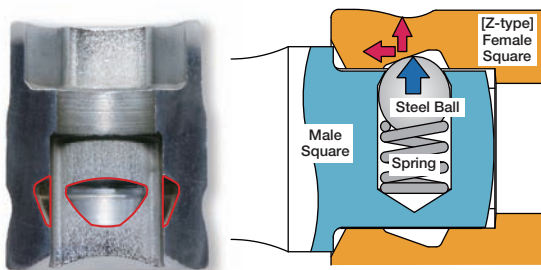
TOLERANCE-Hexagon Opening

Ko-ken standard sockets are manufactured according to DIN/ISO standards. The tolerances of 2400MZ, 2300MZ, 3400MZ and 3300MZ sockets are precisely controlled to achieve a more positive fit between bolt and socket.



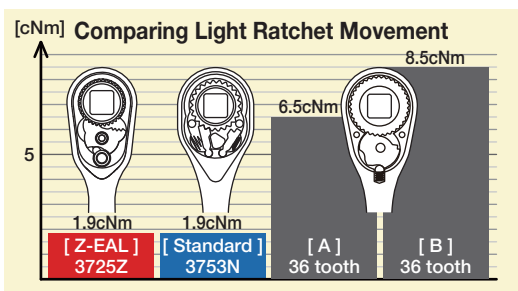
TOLERANCE-Square Drive

Manufacturing tolerance of Male and Female Square are precisely controlled to achieve a more secure fit between Socket and Handle.



BALL HOLDING GROOVE

Original Ball Holding system is applied on Z-series. This mechanism gives secure connection between Socket and Handle.



RATCHET HANDLE

Smaller head with 36 tooth gear and light ratchet movement allow working in narrow space and confined areas.

Specifications or design of any product in this catalogue are subject to change without notice.

Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.

* A, B : Other Brand

2400MZ (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
4	6.4	11	3	14	6	10
4.5	7	11	3	14	6	10
5	7.6	11	3	14	6	10
5.5	8.2	11	3.5	14	6	10
6	8.8	11	3.5	14	6	10
7	9.9	11	3.5	14	6	10
8	11.1	11.7	4.5	15	7	10
10	13.5	12.5	7	15	8	10
11	14.7	13.2	7	15	9	10
12	15.9	14.4	7	15	11	10
13	17.1	15.6	7	15	14	10
14	18.3	16.8	7	15	16	10

RS2400MZ/12	12 Pieces Set/Rail 200mm	(g)
4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14		228

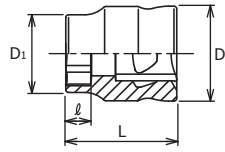
2300XZ (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 5.5	8.2	11	6	20	30	10	10
New 6	8.8	11	7	20	30	10	10
New 7	9.9	11	8	20	30	11	10
New 8	11.1	11.7	9	20	30	13	10
New 10	13.5	12.5	11	20	30	16	10
New 11	14.7	13.2	12	20	30	19	10
New 12	15.9	14.4	13	20	30	22	10
New 13	17.1	15.6	14	20	30	26	10
New 14	18.3	16.8	14	20	30	30	10

RS2300XZ/9	9 Pieces Set/Rail 200mm	(g)
5.5, 6, 7, 8, 10, 11, 12, 13, 14		290

2300MZ (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	6.4	11	5	41	50	14	10
4.5	7	11	5.5	41	50	16	10
5	7.6	11	6	41	50	16	10
5.5	8.2	11	6.5	41	50	16	10
6	8.8	11	7	41	50	17	10
7	9.9	11	8	41	50	20	10
8	11.1	11.7	9	41	50	22	10
10	13.5	12.5	11	41	50	29	10
11	14.7	13.2	12	41	50	33	10
12	15.9	14.4	13	41	50	40	10
13	17.1	15.6	14	41	50	45	10
14	18.3	16.8	16	41	50	51	10

RS2300MZ/12	12 Pieces Set/Rail 200mm	(g)
4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14		445

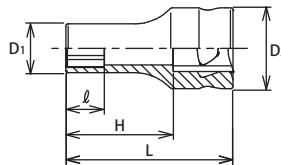
2400MZ 6-point Sockets Vasos Hexagonales



RS2400MZ/12 Socket Set on Rail Juego de Vasos en Regleta



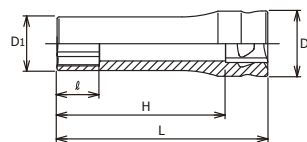
2300XZ 6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos



RS2300XZ/9 Socket Set on Rail Juego de Vasos en Regleta



2300MZ 6-point Deep Sockets Vasos Hexagonales Largos



RS2300MZ/12 Socket Set on Rail Juego de Vasos en Regleta



Z-series 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

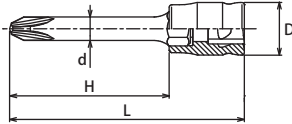
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

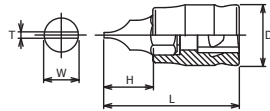
2000Z-28 • -50 Phillips Bit Sockets Vasos con Punta Phillips



2000Z.28 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	11.2	12	28	9	10
2	11.2	12	28	10	10
3	11.2	12	28	10	10

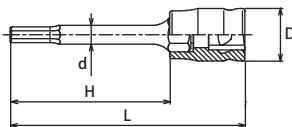
2000Z.50 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 1	11.2	4	34	50	11	10
New 2	11.2	5	34	50	13	10
New 3	11.2	-	34	50	16	10

2005Z-25 Slotted Bit Sockets Vasos con Punta Recta para Cabeza Ranurada



2005Z.25	T x W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0 x 5.5	11.2	9	25	9	10
6	1.2 x 6.5	11.2	9	25	10	10

2010MZ-25 • -50 Inhex Bit Sockets Vasos con Punta Hexagonal



2010MZ.25 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	11.2	9	25	9	10
4	11.2	9	25	9	10
5	11.2	9	25	10	10
6	11.2	9	25	10	10

2010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 3	11.2	4	34	50	11	10
New 4	11.2	5	34	50	13	10
New 5	11.2	6	34	50	15	10
New 6	11.2	-	34	50	17	10

RS20XXZ/9 Socket Set on Rail Juego de Vasos en Regleta



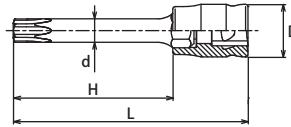
RS20XXZ/9	9 Pieces Set/Rail 200mm	(g)
2000Z.28	1, 2, 3	213
2005Z.25	5, 6	
2010MZ.25	3, 4, 5, 6	

2025Z.28 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	11.2	12	28	9	10
T15	11.2	12	28	9	10
T20	11.2	12	28	9	10
T25	11.2	12	28	10	10
T27	11.2	12	28	10	10
T30	11.2	12	28	10	10
T40	11.2	12	28	11	10

2025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
New T10	11.2	4	34	50	11	10
New T15	11.2	4	34	50	11	10
New T20	11.2	4.5	34	50	12	10
New T25	11.2	5	34	50	13	10
New T27	11.2	5	34	50	13	10
New T30	11.2	5.6	34	50	15	10
New T40	11.2	-	34	50	17	10

2025Z-28 • -50

 TORX® Bit Sockets
Vasos con Punta TORX®



RS2025Z/7-L28	7 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40		195

RS2025Z/7-L50	7 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40		220

RS2025Z/7-L28 RS2025Z/7-L50

 Socket Set on Rail
Juego de Vasos en Regleta



Z-series 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

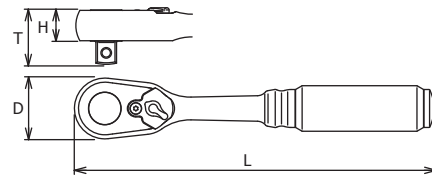
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS/REPUES

2725Z Reversible Ratchet
Llave de Carraca Reversible

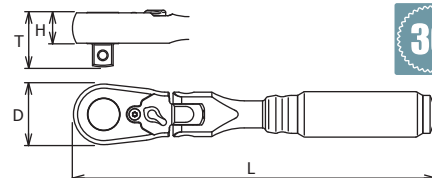


36

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2725Z	20.5	17.1	9.5	114	79	2

* Renewal Kits → 2725RK → P286

2726Z Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)



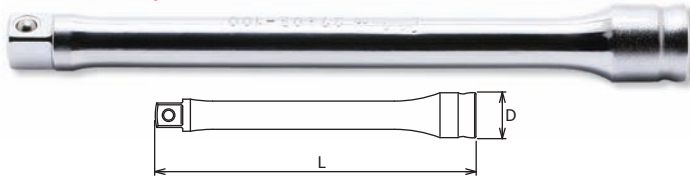
36



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2726Z	20.5	17.1	9.5	114	103	2

* Renewal Kits → 2725RK → P286

2760Z Extension Bars
Alargaderas



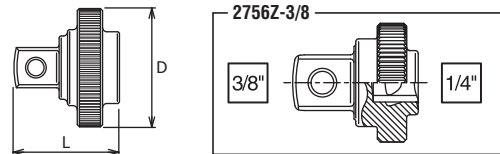
2760Z	D (mm)	L (mm)	(g)	(pcs.)
50	11.5	50	21	10
100	11.5	100	39	10
150	11.5	150	58	10

2771Z Universal Joint
Articulación Universal



	D (mm)	L (mm)	(g)	(pcs.)
2771Z	11.7	29.9	15	10

2756Z
2756Z-3/8 Quick Spinner
Disco de Giro Rápido



	D (mm)	L (mm)	(g)	(pcs.)
2756Z	20.3	18	15	10
2756Z-3/8	20.3	21.5	24	10

P2285Z Socket Set
Juego de Vasos



P2285Z		26 Pieces Set/△=660g	
PLASTIC CASE: W245xH120xT45			
Sockets		Accessories	
	2400MZ 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14		2725Z
	2000Z.28 1, 2, 3		2756Z
	2005Z.25 5, 6		2771Z
	2010MZ.25 3, 4, 5, 6		2760Z-50
			2760Z-150

2285ZE



2285ZE		10 Pieces Set/△=300g	
Rail 200mm/PLASTIC BAG			
Sockets		Accessories	
	2400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14		2725Z
			2756Z

3400MZ (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	8.5	17	3.5	19	16	10
6	9.1	17	3.5	19	17	10
7	10.3	17	3.5	19	17	10
8	11.5	17	4.5	20	17	10
10	14	17	4.5	20	18	10
11	15.3	17	5.5	21	18	10
12	16.5	17	5.5	21	19	10
13	17.8	17	8.5	21	19	10
14	19	17	8.5	21	20	10
15	20.2	18.2	8.5	21	24	10
16	21.3	19.3	8.5	21	28	10
17	22.5	20.5	8.5	21	32	10
18	23.6	21.6	9.5	22	38	10
19	24.8	22.8	9.5	22	41	10
21	27	25	10.5	23	51	10
22	28.3	26.3	10.5	23	58	10

3400MZ is designed 5-9mm shorter than standard 3400M.
Ideal for working in confined and tight areas.

RS3400MZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		320

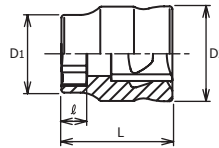
RS3400MZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		490

3300XZ (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 7	10.3	17	8	23	35	23	10
New 8	11.5	17	9	23	35	24	10
New 10	14	17	11	23	35	26	10
New 11	15.3	17	12	23	35	28	10
New 12	16.5	17	13	23	35	29	10
New 13	17.8	17	14	23	35	32	10
New 14	19	17	16	23	35	34	10
New 15	20.2	18.2	16	23	35	40	10
New 16	21.3	19.3	16.5	23	35	45	10
New 17	22.5	20.5	16.5	23	35	50	10
New 18	23.6	21.6	16.5	23	35	56	10
New 19	24.8	22.8	18	23	35	60	10

RS3300XZ/8	8 Pieces Set/Rail 200mm	(g)
New 8, 10, 11, 12, 13, 14, 17, 19		420

RS3300XZ/12	12 Pieces Set/Rail 300mm	(g)
New 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		630

3400MZ 6-point Sockets Vasos Hexagonales

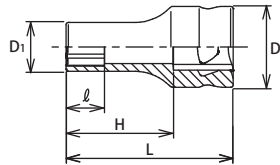


RS3400MZ/8 Socket Set on Rail Juego de Vasos en Regleta

RS3400MZ/12

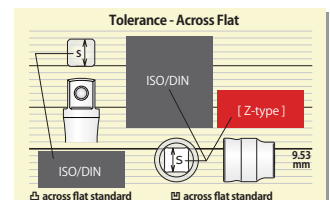
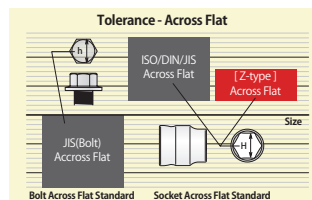


3300XZ 6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos



RS3300XZ/8 Socket Set on Rail Juego de Vasos en Regleta

RS3300XZ/12



Manufacturing tolerance is precisely controlled to achieve a secure fitting.

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE HEADS/REPUESTO

Z-series 3/8"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

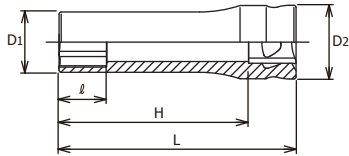
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

3300MZ 6-point Deep Sockets Vasos Hexagonales Largos



3300MZ (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	10.3	17	8	41.5	55	29	10
8	11.5	17	9	41.5	55	34	10
10	14	17	11	41.5	55	43	10
11	15.3	17	12	41.5	55	45	10
12	16.5	17	13	41.5	55	49	10
13	17.8	17	14	41.5	55	52	10
14	19	17	16	41.5	55	55	10
15	20.2	18.2	16	40.5	55	65	10
16	21.3	19.3	17	40.5	55	74	10
17	22.5	20.5	18	40.5	55	83	10
18	23.6	21.6	19	39.5	55	90	10
19	24.8	22.8	20	39.5	55	95	10

RS3300MZ/8 Socket Set on Rail Juego de Vasos en Regleta

RS3300MZ/12



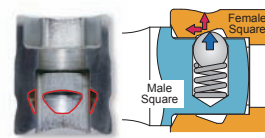
RS3300MZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		600

RS3300MZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		900

RS3X00MZ/12 Socket Set on Rail Juego de Vasos en Regleta



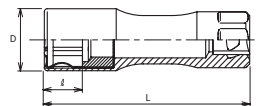
RS3X00MZ/12	12 Pieces Set/Rail 300mm	(g)
3400MZ	8, 10, 11, 12, 13, 14, 17, 19	550
3300MZ	8, 10, 12, 14	



BALL HOLDING GROOVE

Original Ball Holding system is applied on Z-series. This mechanism gives secure connection between Socket and Handle.

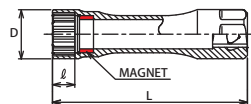
3300CZ Spark Plug Sockets with Spring Clips Llaves de Bujía con Presillas



3300CZ (mm)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
14	18.4	11	70	67	10
16	20.5	13	70	71	10
18	22.9	12	70	75	10
20.8	26.3	13.5	70	105	10

Slim & light weight body with smaller outside diameter for work in tight spaces.

3305PZ Spark Plug Socket with Magnet, 12-pt. opening Llaves de bujía con Imán, Boca Bihex



3305PZ (mm)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
New 14	17.9	8	70	56	10
New 16	20	8	70	55	10

Spark Plug Socket with Magnet, 12-pt. opening: size 14mm



3010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	17	4	23.5	50	28	10
4	17	5	23.5	50	29	10
5	17	6	23.5	50	30	10
6	17	7	23.5	50	35	10
7	17	-	23.5	50	38	10
8	17	-	23.5	50	40	10
10	17	-	23.5	50	50	10
12	19	-	23.5	50	70	10

3010MZ.75 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 3	17	6	48.5	75	33	10
New 4	17	6	48.5	75	35	10
New 5	17	6	48.5	75	36	10
New 6	17	7	48.5	75	41	10
New 7	17	7.9	48.5	75	45	10
New 8	17	-	48.5	75	48	10
New 10	17	-	48.5	75	65	10
New 12	19	-	48.5	75	90	10

RS3010MZ/8-L50	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		460

RS3010MZ/8-L75	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		530

3025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	17	3	23.5	50	27	10
T15	17	3.5	23.5	50	28	10
T20	17	3.9	23.5	50	28	10
T25	17	4.5	23.5	50	29	10
T27	17	5	23.5	50	30	10
T30	17	5.6	23.5	50	31	10
T40	17	6.7	23.5	50	35	10
T45	17	7.83	23.5	50	38	10
T50	17	8.90	23.5	50	48	10
T55	19	11.3	23.5	50	70	10

3025Z.75 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
New T20	17	4.5	48.5	75	32	10
New T25	17	5	48.5	75	33	10
New T27	17	5	48.5	75	33	10
New T30	17	5.6	48.5	75	35	10
New T40	17	6.7	48.5	75	41	10
New T45	17	7.9	48.5	75	45	10
New T50	17	8.9	48.5	75	55	10
New T55	19	11.3	48.5	75	80	10

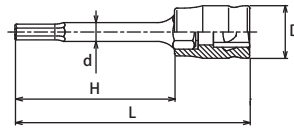
RS3025Z/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		450

RS3025Z/8-L75	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		480

3010MZ-50 · -75



Inhex Bit Sockets
Vasos con Punta Hexagonal



RS3010MZ/8-L50 RS3010MZ/8-L75



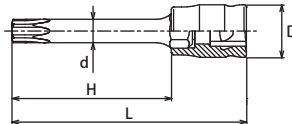
Socket Set on Rail
Juego de Vasos en Regleta



3025Z-50 · -75



TORX® Bit Sockets
Vasos con Punta TORX®



RS3025Z/8-L50 RS3025Z/8-L75



Socket Set on Rail
Juego de Vasos en Regleta



Z-series 3/8"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

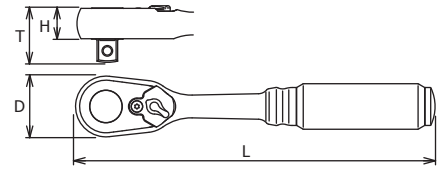
CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

2725Z-3/8 Reversible Ratchet Short
Llave de Carraca Reversible Corta



36

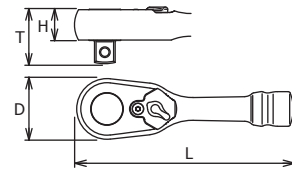


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2725Z-3/8	20.5	20.5	9.5	114	83	2

3725ZS Reversible Ratchet Short
Llave de Carraca Reversible Corta



36



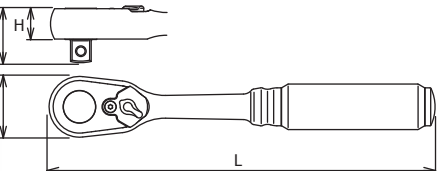
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3725ZS	28	24.5	13.7	100	157	2

* Renewal Kits → **3725RK** → **P286**

3725Z Reversible Ratchet
Llave de Carraca Reversible



36



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3725Z	28	24.5	13.7	178	254	1

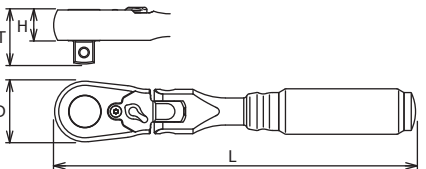
* Renewal Kits → **3725RK** → **P286**

2726Z-3/8 Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)



36

Flexible Head



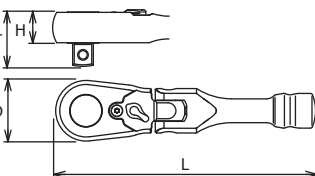
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2726Z-3/8	20.5	20.5	9.5	114	107	2

3726ZS Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)



36

Flexible Head



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3726ZS	28	24.5	13.7	120	196	2

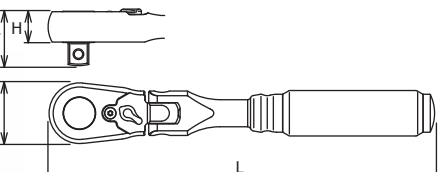
* Renewal Kits → **3725RK** → **P286**

3726Z Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



36

Flexible Head



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3726Z	28	24.5	13.7	178	317	1

* Renewal Kits → **3725RK** → **P286**

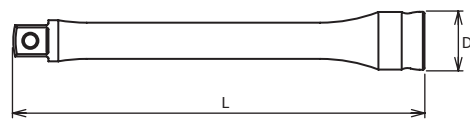
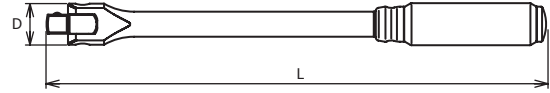


3768Z-250 Hinge Handle Mango Articulado



	D (mm)	L (mm)	(g)	(pcs.)
3768Z-250	20.5	250	309	2

* Renewal Kits → **3768ZRK** → P288



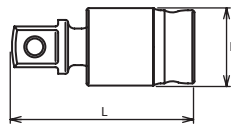
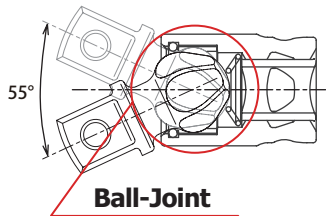
3760Z-75 · -125 · -250 Extension Bars Alargaderas



3760Z	D (mm)	L (mm)	(g)	(pcs.)
75	17.5	75	66	10
125	17.5	125	103	10
250	17.5	250	195	5

	D (mm)	L (mm)	(g)	(pcs.)
3771Z	18	42.5	44	10

3771Z Universal Joint Articulación Universal

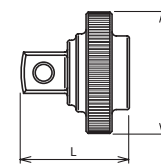


	D (mm)	L (mm)	(g)	(pcs.)
3756Z	28	25	40	10

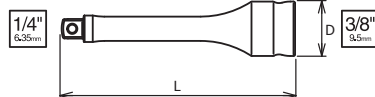
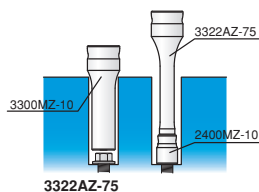
Outside diameter is smaller compared to standard 3756.
Ideal for working in combination with 3725Z



3756Z Quick Spinner Disco de Giro Rápido



	D (mm)	L (mm)	(g)	(pcs.)
3322AZ-75	17.5	75	42	10



3322AZ-75 Extension Adaptor Adaptador Alargadera



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Z-series 3/8"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3285Z Socket Set Juego de Vasos



3285ZA Socket Set Juego de Vasos



3285ZE Socket Set Juego de Vasos



RSAL200-1/4x12 · -3/8x8 Rail Regleta

RSAL300-3/8x12 · -1/2x10







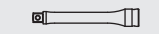

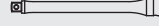
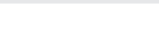


RSAL-200 · -300 CLIP.P/5-1/4 · -3/8 · -1/2







3285Z 26 Pieces Set/ =2,100g

PLASTIC TRAY:W390xT180xH25

Sockets	Accessories
 3400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14, 17, 19, 21, 22	 3725Z
 3300MZ 6-pt. Deep Sockets 8, 10, 12, 14	 3756Z
 3300CZ Spark Plug Sockets 14, 16, 20.8	 3771Z
	 3768Z-250
	 3760Z-75
	 3760Z-125
	 3760Z-250




3285ZA 15 Pieces Set/ =750g






PLASTIC TRAY:W300xT90xH25






Sockets	Accessories
 3400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14, 17, 19, 21, 22	 3725Z
	 3756Z
	 3771Z

3285ZE 9 Pieces Set/ =600g

Rail 200mm/PLASTIC BAG



Sockets	Accessories
 3400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19	 3725Z
	 3756Z

RSAL200		RAIL (mm)	CLIP (pcs.)	 (g)	 (pce.)
1/4x12	 1/4"	200	12	125	1
3/8x8	 3/8"	200	8	130	1







RSAL300		RAIL (mm)	CLIP (pcs.)	 (g)	 (pce.)
3/8x12	 3/8"	300	12	180	1
1/2x10	 1/2"	300	10	190	1



RAIL

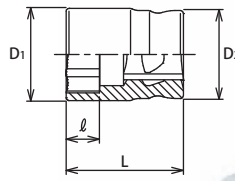
	RAIL (mm)	 (g)	 (pce.)
RSAL200	200	110	1
RSAL300	300	145	1

CLIP

CLIP.P/5		 (g)	 (pcs.)
1/4	 1/4"	10	5
3/8	 3/8"	13	5
1/2	 1/2"	20	5

	4400MZ (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New	8	12.6	20.6	4.5	26	30	10
New	10	15	20.6	4.5	26	31	10
New	12	17.5	20.6	5.5	27	32	10
New	13	18.7	21.5	6.5	28	40	10
New	14	19.8	21.5	6.5	28	40	10
New	16	22.3	21.5	7.5	28	43	10
New	17	23.6	22.5	7.5	29	49	10
New	18	24.8	23.7	7.5	29	56	10
New	19	26	24.4	9.5	29	62	10
New	21	28.4	26.3	10.5	29	76	10
New	22	29.6	27.5	11	29	83	10
New	24	32	29.2	12	29	96	5
New	27	35.7	32.2	13.5	30	124	5
New	30	39.3	35.2	14.5	31	156	5
New	32	41.7	36.8	15.5	32	178	5

4400MZ 6-point Sockets Vasos Hexagonales



	RS4400MZ/10	10 Pieces Set/Rail 300mm	(g)
New	10, 12, 13, 14, 17, 19, 21, 22, 24, 27		830

RS4400MZ/10 Socket Set on Rail Juego de Vasos en Regleta



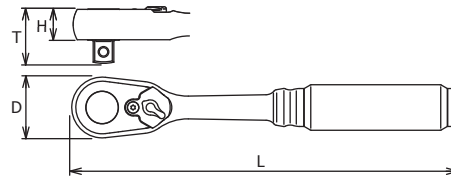
4725Z Reversible Ratchet Llave de Carraca Reversible

36



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)	
New	4725Z	36.5	32.8	18.2	253	590	1

* Renewal Kits → 4725RK → P287

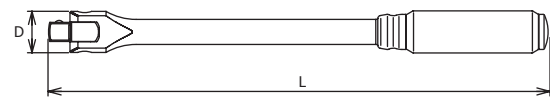


4768Z-430 Hinge Handle Mango Articulado



	D (mm)	L (mm)	(g)	(pce.)	
New	4768Z-430	28	430	720	1

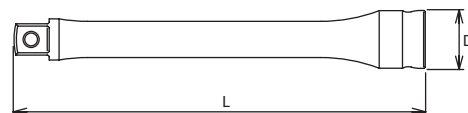
* Renewal Kits → 4768ZRK → P288



4760Z-125 • -250 Extension Bars Alargaderas



	4760Z	D (mm)	L (mm)	(g)	(pcs.)
New	125	22.5	125	180	5
New	250	22.5	250	340	5



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Z-series 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

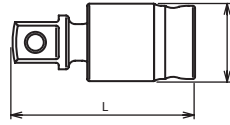
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

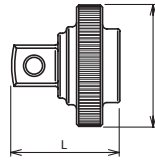
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4771Z Universal Joint Articulación Universal



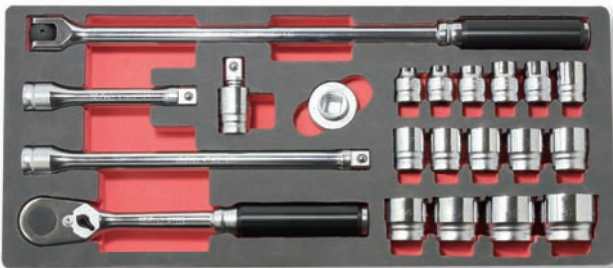
	D (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
New 4771Z	23.7	55.8	100	10

4756Z Quick Spinner Disco de Giro Rápido








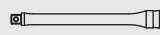
	D (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
New 4756Z	36.3	33.5	84	10

4285Z Socket Set Juego de Vasos



New 4285Z 21 Pieces Set/⚖️=4,800g

METAL CASE:W445×T190×H50



Sockets		Accessories	
⬡	4400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32		4725Z
			4756Z
			4771Z
			4768Z-430
			4760Z-125
			4760Z-250

4285ZE Socket Set Juego de Vasos



New 4285ZE 11 Pieces Set/⚖️=1,380g

Rail 300mm/PLASTIC BAG

Sockets		Accessories	
⬡	4400MZ 6-pt. Sockets 10, 12, 13, 14, 17, 19, 21, 22, 24		4725Z
			4756Z

Titanium Sockets









HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
RENEWAL KITS CONSTRUCTION CONSTRUCCIÓN
JUEGOS DE PIEZAS REPUESTO

TI4261M

Socket Set Titanium
Juego de Vasos de Titanio



TI4261M		18 Pieces Set/△=4,280g	
WOODEN CASE:W445xH190xT60mm			
Sockets		Accessories	
	TI4400M 6-pt. Sockets 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 26, 27		TI4749J
			TI4760-125
			TI4760-250
			TI4768J-380
			TI4770

Characteristic of Titanium

- Light weight** : Makes it effective for operating tools. The specific gravity is only about 58% of chrome molybdenum steel which is used for our normal products.
- Non-Corrosion** : Corrosion Resistance is greatly improved against salt water and any kind of chemical products.
- Non-Magnetic** : Non-Magnetic material will prevent the tools from magnetizing.

Características del Titanio

- Peso ligero** : Aumenta la eficiencia de las herramientas de trabajo. El peso específico es aproximadamente sólo el 58% del acero al cromo-molibdeno de nuestros productos normales.
- No se oxida** : Se aumenta significativamente la resistencia a la corrosión por ambiente salino o por cualquier clase de productos químicos.
- No es magnético** : Material paramagnético que evita la magnetización de las herramientas.

Pentagonal drive is designed to avoid using with normal square drive items, so that it will provide extra safety and much more strength.

El diseño de conductor pentagonal evita su utilización con conductores normales cuadrados, proporcionando más seguridad y mucha mayor resistencia.

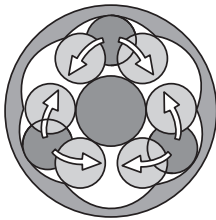
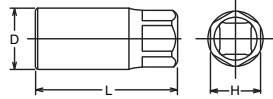


Accessories



4100M • 4100A

Screw and Stud Pullers
Extractores de Espárragos y Tornillos



Screw and Stud Pullers

Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.

Extractores de Tornillos y Espárragos

El diseño hexagonal del cuerpo evita cargas excesivas en las celdas y rodillos internos del extractor.

4100M (mm)		D (mm)	L (mm)	H (mm)	(g)	(pcs.)	
5	1/2"	24	65	21	145	10	
6		24	65	21	150	10	
7		24	65	21	150	10	
8		24	65	21	147	10	
9		28	75	21	217	10	
10		28	75	21	213	10	
10.5		28	75	21	202	10	
11		28	75	21	218	10	
12		28	75	21	220	10	
14		34	75	27	340	5	
16		-⚠	34	75	27	315	5

4100A (inch)		D (mm)	L (mm)	H (mm)	(g)	(pcs.)
1/4	1/2"	24	65	21	150	10
5/16		24	65	21	147	10
3/8		28	75	21	213	10
7/16		28	75	21	218	10
1/2		28	75	21	191	10
9/16		34	75	27	340	5
5/8	-⚠	34	75	27	315	5

* Renewal Kits → **4100MRK/4100ARK** → P289

4100M-16 and 4100A-5/8 do not have 1/2" square drive.
Drive the outer hexagon part with 27mm sockets or ring wrenches.

4100M-16 y 4100A-5/8 no tienen conductores cuadrados de 1/2"
Apretar la parte hexagonal exterior con vasos de 27mm o llaves de tuerca.

Tolerance/Tolerancia

4100M (mm)	4100A (inch)
5	1/4
6	5/16
7	3/8
8	7/16
9	1/2
10	9/16
10.5	5/8
11	
12	
14	
16	

4211M • 4211A

Screw and Stud Pullers Sets
Juegos de Extractores de Tornillos y Espárragos



4211M	4 Pieces Set/△=1,040g
METAL CASE:W215xH80xT47mm	
PULLER	
	4100M Stud Pullers 6, 8, 10, 12

4211A	4 Pieces Set/△=1,040g
METAL CASE:W215xH80xT47mm	
PULLER	
	4100A Stud Pullers 1/4, 5/16, 3/8, 1/2

4214M

Screw and Stud Pullers Set
Juegos de Extractores de Tornillos y Espárragos



4214M	5 Pieces Set/△=1,450g
METAL CASE:W215xH80xT47mm	
PULLER	
	4100M Stud Pullers 6, 8, 10, 12, 14

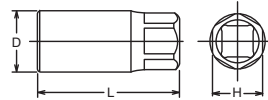
6100M (mm)		D (mm)	L (mm)	H (mm)	(g)	(pcs.)
18	3/4"	48	100	36	840	1
20		48	100	36	816	1
22		48	100	36	745	1
24		48	100	36	739	1
27		63	125	46	1707	1
28		63	125	46	1701	1
29		63	125	46	1696	1
30		63	125	46	1691	1

* Renewal Kits → 6100MRK → P289

6100M-22 to -30 do not have 3/4" square drive.
Drive the outer hexagon part with sockets or ring wrenches (size 22-24mm = 36H, 27-30mm = 46H).

6100M-22-30 no tienen conductores cuadrados de 3/4"
Apretar la parte hexagonal exterior con vasos o llaves de tuerca (medidas 22-24mm = 36H, 27-30mm = 46H)

6100M Screw and Stud Pullers Extractores de Tornillos y Espárragos



Tolerance/Tolerancia

6100M (mm)	
18	16.9-18
20	18.8-20
22	20.8-22
24	22.7-24
27	25.7-27
28	26.7-28
29	27.6-29
30	28.6-30

14100M (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
6	1/2"	24	25	48	126	10	*1
7		24	25	48	126	10	*1
8		24	25	48	122	10	*1
9		28	30	48	181	10	*2
10		28	30	48	181	10	*2
12		28	30	48	175	10	*2

14100A (inch)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
1/4	1/2"	24	25	48	126	10	*1
5/16		24	25	48	122	10	*1
3/8		28	30	48	181	10	*2
7/16		28	30	48	181	10	*2
1/2		28	30	48	180	10	*2

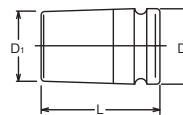
*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P238-239

Tolerance/Tolerancia

14100M (mm)		14100A (inch)	
6	5.6- 6	1/4	6 - 6.4
7	6.6- 7	5/16	7.6- 8
8	7.6- 8	3/8	9 - 9.6
9	8.4- 9	7/16	10.5-11.1
10	9.4-10	1/2	12.1-12.7
12	11.4-12		

14100M • 14100A Impact Screw and Stud Pullers Extractores de Tornillos y Espárragos de Impacto



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

Stud Puller & Setter

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

141S Stud Puller Ratchets Extractores de Espárragos de Carraca



141S (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

141 Stud Puller Ratchets Extractores de Espárragos de Carraca

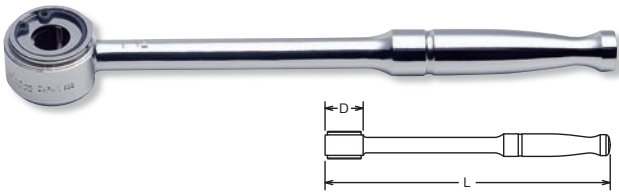


141S (inch)	D (mm)	L (mm)	(g)	(pce.)
5/16	28	120	150	1
3/8	32	120	153	1
1/2	32	120	152	1

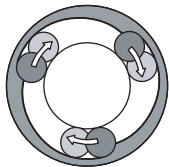
141 (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	205	215	1
8	28	205	215	1
10	32	205	234	1
12	32	205	233	1

141 (inch)	D (mm)	L (mm)	(g)	(pce.)
5/16	28	205	215	1
3/8	32	205	234	1
1/2	32	205	233	1

141P Stud Puller Ratchets Extractores de Espárragos de Carraca



141P (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	205	210	1
8	28	205	210	1
10	32	205	229	1
12	32	205	227	1



The three roller system can protect the studs from damage.

El sistema de tres rodillos puede proteger los espárragos de cualquier daño.



1201 Stud Puller Ratchets Set Juego de Extractores de Espárragos de Carraca



1201	4 Pieces Set/973g
METAL CASE:W240xH100xT32mm	
PULLER	
141S Stud Puller Ratchet	
6, 8, 10, 12	

4104 Screw and Stud Puller Extractor de Tornillos y Espárragos

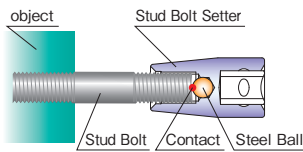


4104	1/2	Tolerance		D (mm)	L (mm)	(g)	(pcs.)
		min	max				
		φ 6	φ 19	54	56	489	2

4103M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
6(1.0)	1/2"	10.3	22	9	37	54	10
7(1.0)		11.5	22	10	37	58	10
8(1.25)		13.2	22	11	37	60	10
10(1.25)		15.3	23	13	44	86	10
10(1.5)		15.3	23	13	44	86	10
12(1.25)		17.8	23	14	44	86	10
12(1.75)		17.8	23	14	44	86	10

4203M 4 Pieces Set/⚖️=530g
METAL CASE:W130xH65xT26mm
 Stud Bolt Setter
4103M Stud Bolt Setters
 6(1.0), 8(1.25), 10(1.5), 12(1.75)

4203MF 4 Pieces Set/⚖️=530g
METAL CASE:W130xH65xT26mm
 Stud Bolt Setter
4103M Stud Bolt Setters
 6(1.0), 8(1.25), 10(1.25), 12(1.25)



A special socket for installing a stud bolt.
 Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

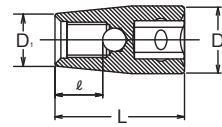
13103M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
5(0.8)	3/8"	9.5	19	8	32	39	10	*1
6(1.0)		10.8	19	9	32	41	10	*1
7(1.0)		12.5	19	10	32	44	10	*1
8(1.25)		13.5	19	11	35	49	10	*1
10(1.25)		15.8	19	13	35	49	10	*1
10(1.5)		15.8	19	13	35	49	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B →P238-239

14103M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6(1.0)	1/2"	12	25	11	42	75	10	*1
7(1.0)		13.2	25	12	42	78	10	*1
8(1.25)		14.5	25	15	42	81	10	*1
10(1.25)		17	25	18	49	106	10	*1
10(1.5)		17	25	18	49	106	10	*1
12(1.25)		19.5	25	19	49	107	10	*1
12(1.75)		19.5	25	19	49	107	10	*1
14(1.5)	22	25	21	55	128	10	*1	
14(2.0)	22	25	21	55	128	10	*1	

*1 C-Ring=1401C, Pin/O-Ring=1401A/B →P238-239

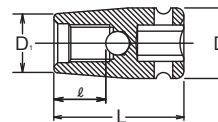
4103M Stud Bolt Setters
 Vasos para apretar pernos



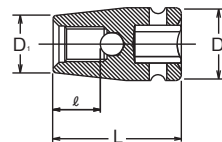
4203M Stud Bolt Setters Set
4203MF Juego de Vasos para apretar Pernos



13103M Impact Stud Bolt Setters
 Vasos para apretar Pernos de Impacto

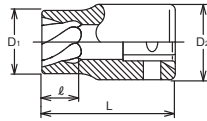





14103M Impact Stud Bolt Setters
 Vasos para apretar Pernos de Impacto



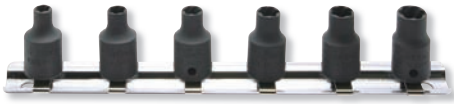
HAND MANUALES
 Z-SERIES
 TITANIUM DE TITANIO
 ACCESSORIES ACCESORIOS
 SCREWDRIVERS DESTORNILLADORES
 IMPACT DE IMPACTO
 SLEEVE-DRIVE INDUSTRIAL
 PROTECTOR PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION CONSTRUCCION
 RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

2127  NUTTWISTER®
AFLOJA TUERCAS



2127 (mm)		D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	 (g)	 (pcs.)
4	1/4"	7	13	4	23	14	10
4.5		7.4	13	4	23	14	10
5		8	13	5	23	14	10
5.5		8.8	13	5	23	14	10
6		9.5	13	6	23	14	10
7		10.9	13	6	23	14	10
8		11.5	13	8	23	14	10
9		13	13	8	23	15	10
9.5		13.8	13	10	23	16	10
10		14.8	13	10	23	17	10

RS2127/6   Socket Set on Rail
Juego de Vasos en Regleta



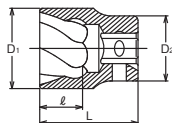
RS2127/6	6 Pieces Set/Rail 150mm	 (g)
4, 4.5, 5, 5.5, 6, 7		105




RS2127/10   Socket Set on Rail
Juego de Vasos en Regleta



RS2127/10	10 Pieces Set/Rail 150mm	 (g)
4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5, 10		180

3127  NUTTWISTER®
AFLOJA TUERCAS



3127 (mm)		D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	 (g)	 (pcs.)
8	3/8"	11.5	19	8	32	40	10
9		13	19	8	32	40	10
9.5		13.8	19	8	32	41	10
10		14.8	19	10	32	41	10
11		16	19	10	32	43	10
12		17	19	12	32	44	10
13		18.5	19	12	32	46	10
14		19.7	19	14	32	48	10
15		20.7	19	14	32	52	10
16		22.2	22	14	32	66	10
17	23.5	22	16	35	80	10	
19	26	22	16	35	92	10	

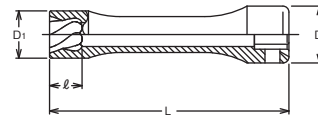
RS3127/8   Socket Set on Rail
Juego de Vasos en Regleta



RS3127/8	8 Pieces Set/Rail 200mm	 (g)
8, 9, 10, 11, 12, 13, 14, 16		420

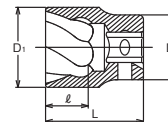
3128.80 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	3/8"	11.5	19	6	80	58	10
9		13	19	6	80	61	10
10		14.8	19	8	80	66	10
11		16	19	8	80	70	10
12		17	19	10	80	77	10
13		18.5	19	10	80	80	10
14		19.7	19	12	80	82	10

3128-80 NUTTWISTER® (Long type)
AFLOJA TUERCAS (Serie Larga)



4127 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
14	1/2"	19.7	30	14	42	125	5
17		23.5	30	16	42	137	5
19		26	30	16	42	146	5
21		28	30	17	42	153	5
22		29.5	30	17	42	158	5
24		32	30	18	42	174	5
25.4		33.5	30	18	42	183	5

4127 NUTTWISTER®
AFLOJA TUERCAS

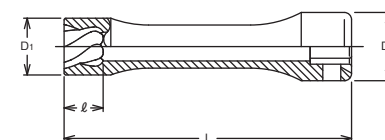


RS4127/6	6 Pieces Set/Rail 200mm	(g)
17, 19, 21, 22, 24, 25.4		960

RS4127/6 Socket Set on Rail
Juego de Vasos en Regleta



4128-120 NUTTWISTER® (Long type)
AFLOJA TUERCAS (Serie Larga)



4128.120 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
17	1/2"	23.5	30	16	120	227	10
19		26	30	16	120	247	10
21		28	30	17	120	262	10
22		29.5	30	17	120	259	10

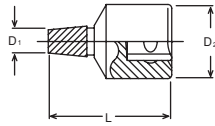
A very effective method and easy solution for removing rounded off nuts, bolts and studs. The sharp edges of the NUTTWISTER® Socket opening will tighten around the nut, bolt or stud and turn it easily off.

Un método muy efectivo y una fácil solución para aflojar tuercas, pernos y espárragos redondeados por desgaste. Las afiladas aristas de la boca del vaso AFLOJA TUERCAS NUTTWISTER®, aprietan contra la tuerca, perno o espárrago, haciéndolo girar fácilmente.



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUES TO

3129-32 BOLTTWISTER®
AFLOJA PERNOS



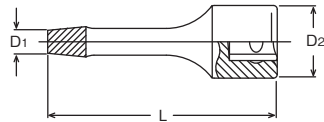
3129.32 (mm)	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	32	32	10
3		3	19	32	33	10
4		4	19	32	33	10
6		6	19	32	35	10
8		8	19	32	37	10
10		10	19	32	40	10

RS3129/6-L32 Socket Set on Rail
Juego de Vasos en Regleta



RS3129/6-L32	6 Pieces Set/Rail 150mm	(g)
2, 3, 4, 6, 8, 10		250

3129-60 BOLTTWISTER®
AFLOJA PERNOS

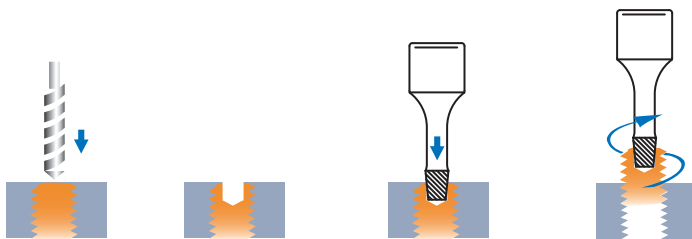


3129.60 (mm)	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	60	38	10
3		3	19	60	42	10
4		4	19	60	44	10
6		6	19	60	47	10
8		8	19	60	53	10
10		10	19	60	64	10

RS3129/6-L60 Socket Set on Rail
Juego de Vasos en Regleta







RS3129/6-L60	6 Pieces Set/Rail 150mm	(g)
2, 3, 4, 6, 8, 10		320







Effective method and easy solution for removing twisted off bolt. Drill a hole in the center of bolt and drive BOLTTWISTER® firmly into the hole. The sharp spiral edges will hold the broken bolt and easily remove it.

Un método efectivo y una fácil solución para aflojar pernos rotos. Taladrar un agujero en el centro del perno e introducir el AFLOJA PERNOS BOLTTWISTER® presionando y girando. Las afiladas aristas espirales agarran el perno roto sacándolo.

BOLTTWISTER	Bolt size	Drill size
2	M5	φ 2.4- 2.6
3	M6	φ 3.2- 3.5
4	M8	φ 4.2- 4.5
6	M10-M12	φ 6.2- 6.5
8	M14-M16	φ 8.2- 8.5
10	M18-M20	φ 10.2-10.5
12	M22-M24	φ 12.2-12.5
14	M27-M30	φ 14.2-14.5
16	M33	φ 16.2-16.5

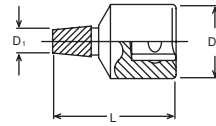
4129.37 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	 (g)	 (pcs.)
8		8	24	37	59	10
10		10	24	37	63	10
12		12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10

RS4129/5-L37	5 Pieces Set/Rail 150mm	 (g)
8, 10, 12, 14, 16		370

4129.75 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	 (g)	 (pcs.)
8		8	24	75	80	10
10		10	24	75	94	10
12		12	24	75	110	10
14		14	24	75	130	10
16		16	24	75	150	10

RS4129/5-L75	5 Pieces Set/Rail 150mm	 (g)
8, 10, 12, 14, 16		600

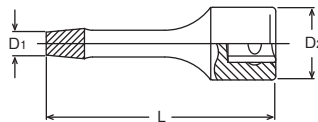
4129-37 BOLTTWISTER® AFLOJA PERNOS



RS4129/5-L37  Socket Set on Rail
Juego de Vasos en Regleta



4129-75 BOLTTWISTER® AFLOJA PERNOS



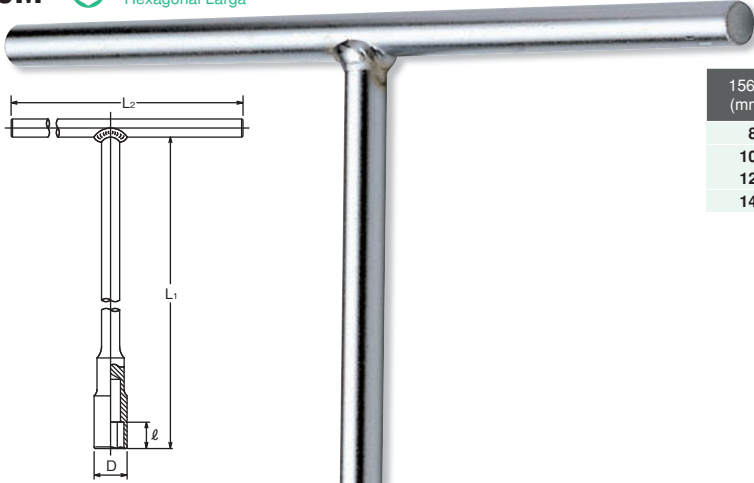
RS4129/5-L75  Socket Set on Rail
Juego de Vasos en Regleta



T-Type Wrench

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

156M 6-point Deep Hexagonal Larga



156M (mm)	D (mm)	ℓ (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
8	12	9	355	200	231	1
10	14.5	11	355	200	289	1
12	16.8	13	355	200	429	1
14	20	16	355	200	454	1

104M • 104A 6-point Hexagonal



104M (mm)	D (mm)	ℓ (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
6	9.5	8	200	180	150	1
7	11	9	200	180	152	1
8	12	10	250	200	183	1
9	14	12	250	200	188	1
10	14	13	250	200	230	1
11	16	14	250	200	234	1
12	18	15	250	250	384	1
13	18.5	17	300	250	412	1
14	20	18	300	250	428	1
15	21	19	300	250	443	1
16	22.5	21	350	300	528	1
17	24	22	350	300	707	1
18	25	23	350	300	707	1
19	26.5	25	350	300	717	1
21	29	27	350	300	1070	1
22	30	28	350	300	1062	1
24	33	30	350	300	1140	1

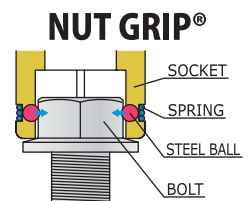
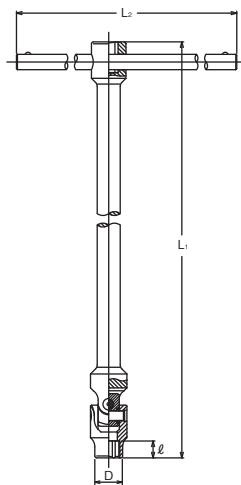
104A (inch)	D (mm)	ℓ (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
1/4	9.5	8	200	180	150	1
5/16	12	10	250	200	183	1
3/8	14	12	250	200	188	1
7/16	16	14	250	200	234	1
1/2	18.5	17	300	250	412	1
9/16	20	18	300	250	428	1
5/8	22.5	21	350	300	528	1
3/4	26.5	25	350	300	717	1

3116M  Universal with 6-point Socket
Con articulación universal con Vaso Hexagonal

124M-600 (2B)  Ball Joint plus Nut Grip Socket
Con articulación de rótula y Vaso Sujeta Tuerca

3116M (mm)	D (mm)	ℓ (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
10	14.5	8	800	190	796	1
12	17	10.3	800	190	797	1
13	18	11.3	800	190	797	1
14	19.5	11.3	800	190	797	1
15	21	12.8	800	190	799	1
16	22	12.8	800	190	806	1
17	23.6	13.8	800	190	801	1
18	24	13.8	800	190	809	1

124M.600 (mm)	D (mm)	ℓ (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
8(2B)	12	5	600	200	332	1
10(2B)	14.5	6	600	200	334	1
12(2B)	16.8	7	600	200	424	1
13(2B)	18	8	600	200	425	1
14(2B)	19.5	8.5	600	200	527	1
17(2B)	23.3	9.5	600	200	538	1



Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.

Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE HEZAS/REPUESTO

T-Type Wrench

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

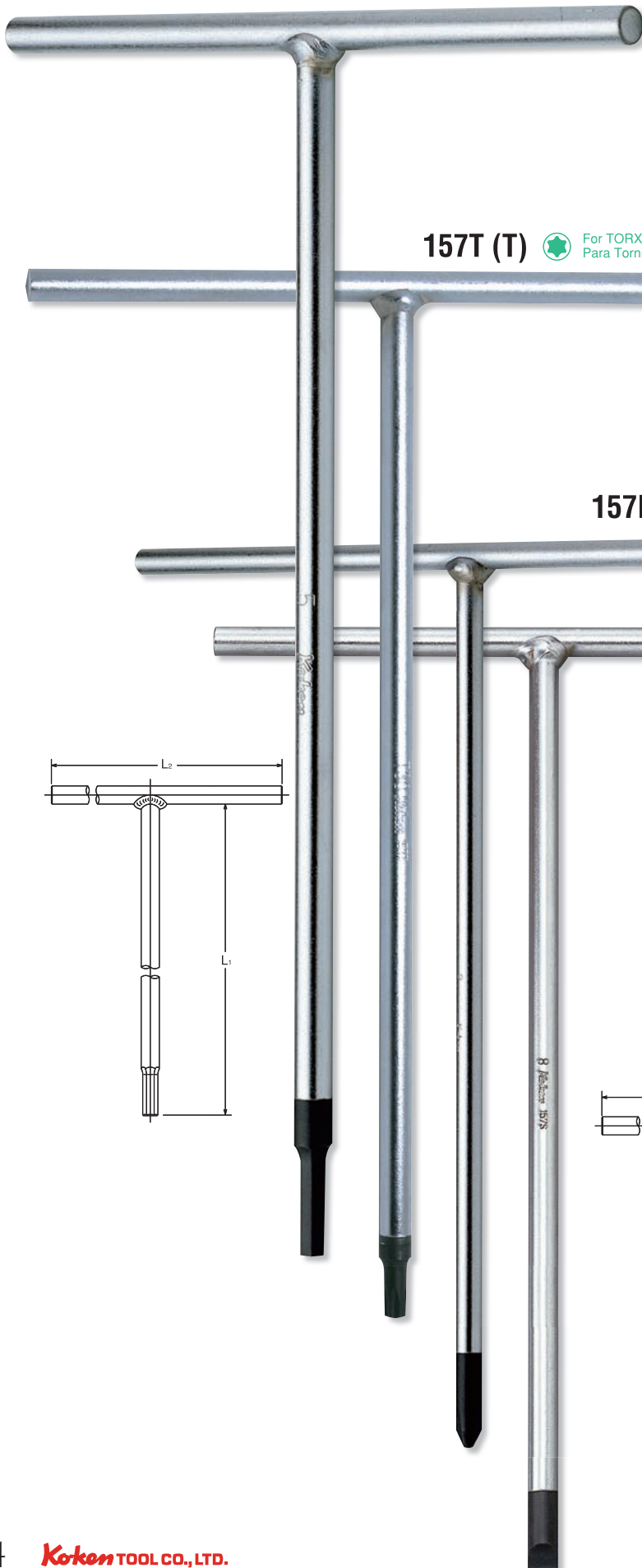
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

157H



For Inhex Screws
Para Tornillos de Seis Lados en el Interior (Inhex)

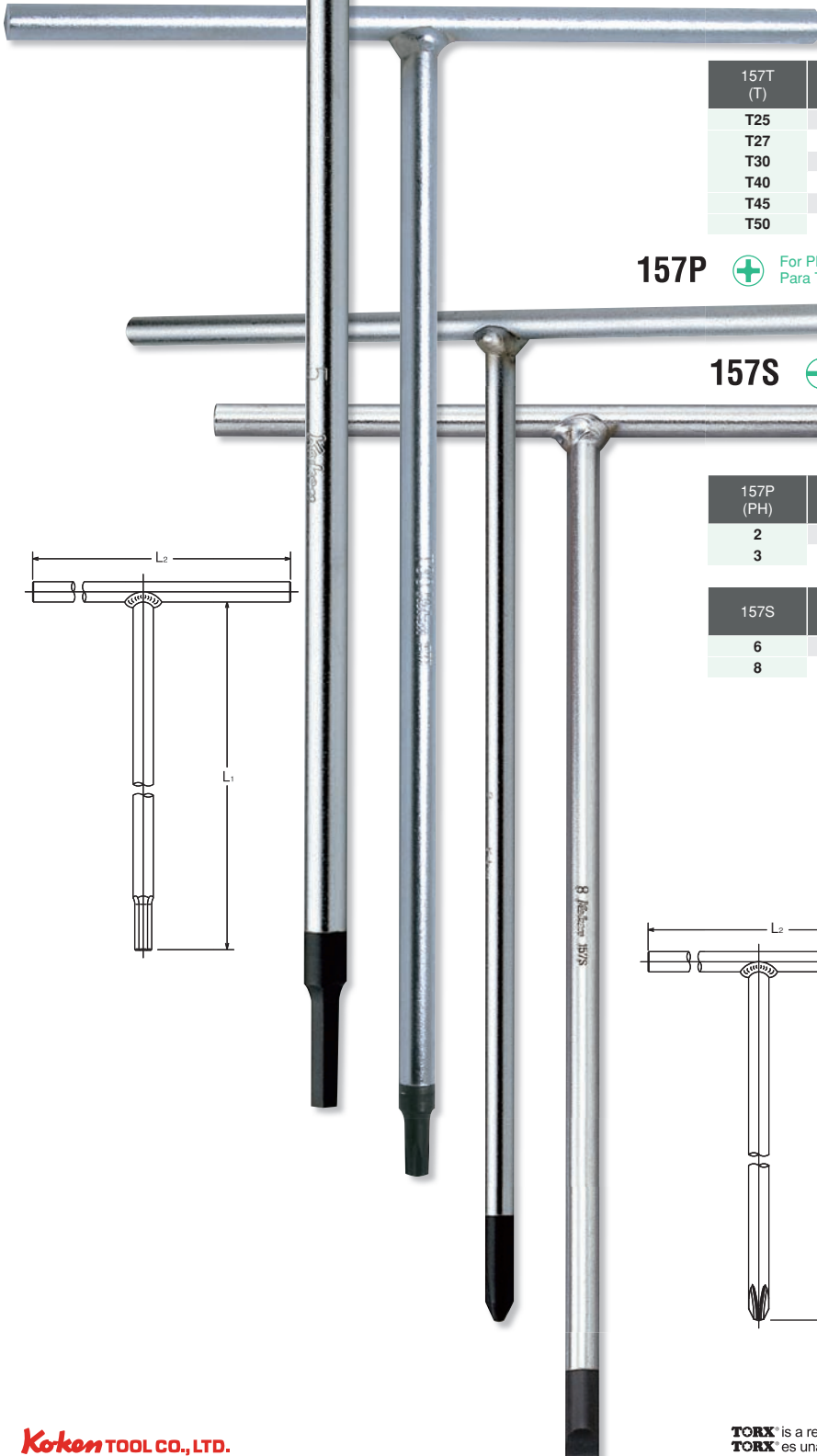


157H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
3	160	100	57	1
4	200	120	70	1
5	250	160	90	1
6	300	190	147	1
7	300	190	193	1
8	300	190	245	1
10	300	190	433	1
12	320	210	662	1
14	340	220	879	1
17	340	220	1369	1

157T (T)



For TORX® Screws
Para Tornillos TORX®

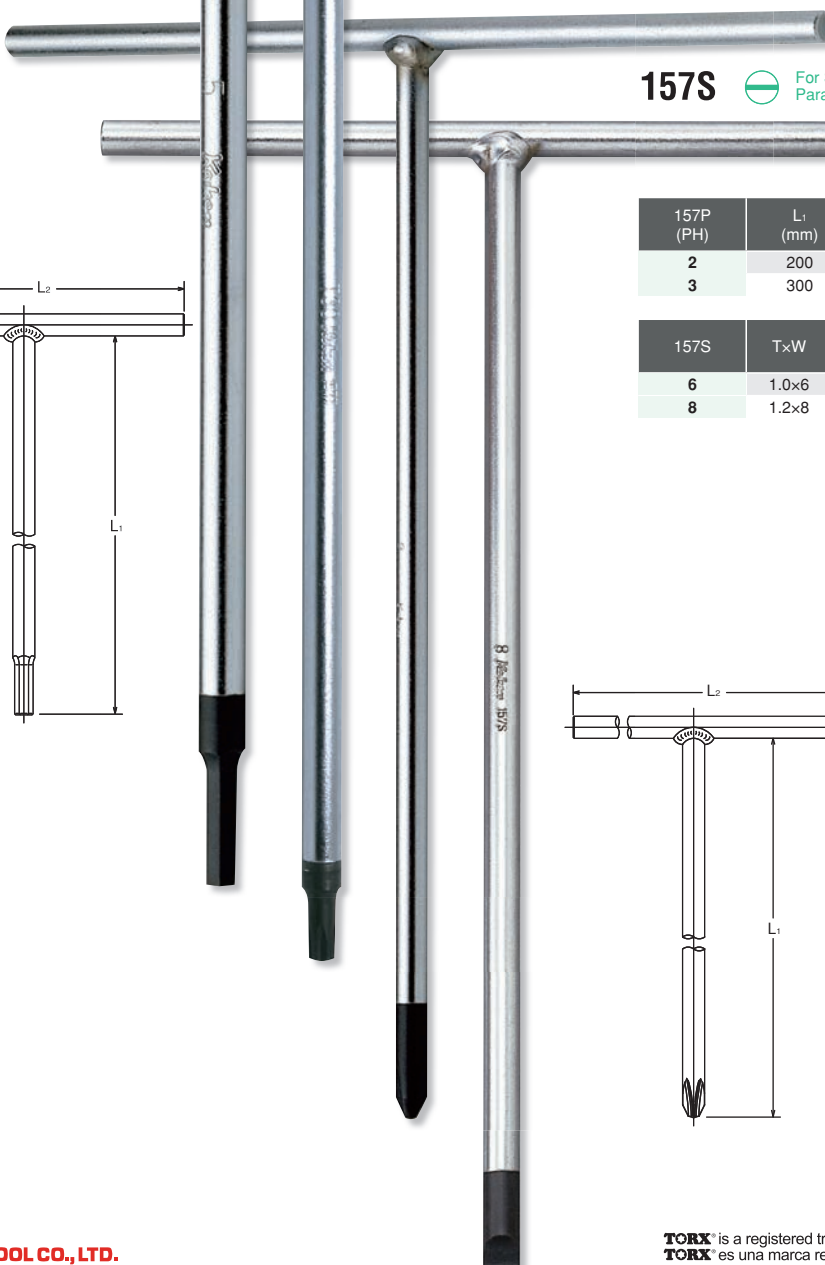


157T (T)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
T25	250	180	95	1
T27	250	180	96	1
T30	250	180	167	1
T40	250	180	168	1
T45	250	180	213	1
T50	250	180	215	1

157P



For Phillips Screws
Para Tornillos Phillips



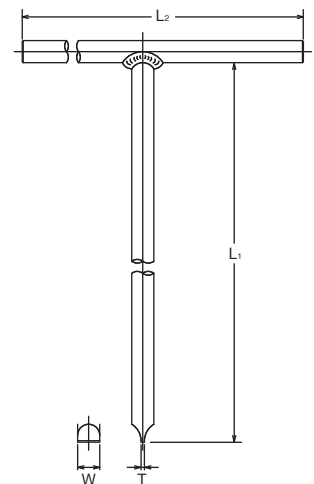
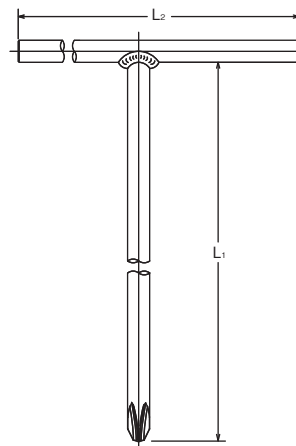
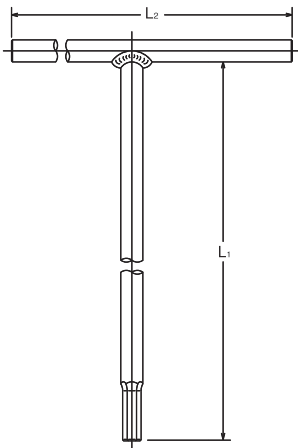
157P (PH)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
2	200	180	84	1
3	300	180	189	1

157S	T×W	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
6	1.0×6	200	180	84	1
8	1.2×8	250	180	170	1

157S



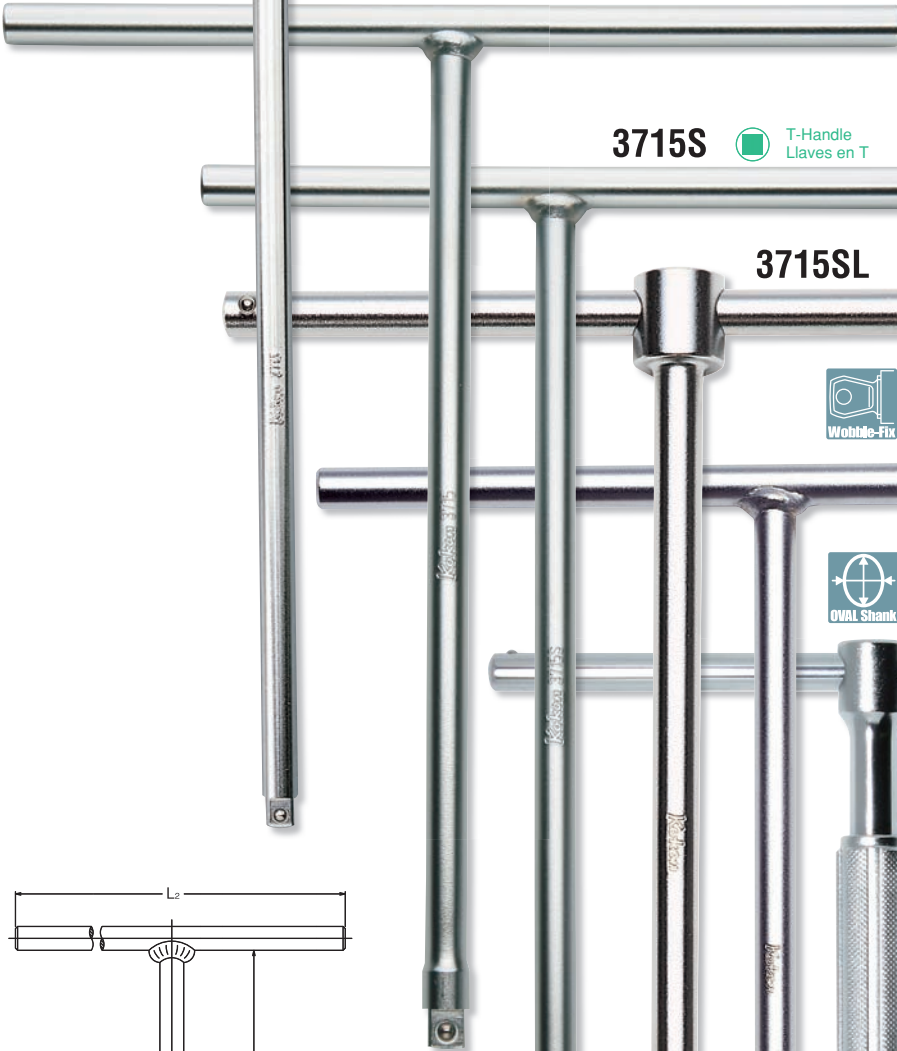
For Slotted Heads
Para Cabezas Ranuradas



2715  T-Handle
Llaves en T



3715  T-Handle
Llaves en T



3715S  T-Handle
Llaves en T



3715SL  T-Handle
Llaves en T



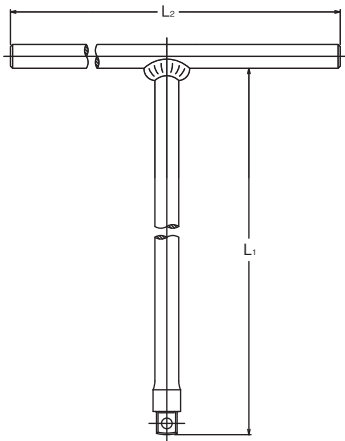
3716  T-Handle
Llaves en T 









3715SLK  T-Handle
Llaves en T




3715SLK



		L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
2715	1/4"	200	120	130	1

		L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
3715	3/8"	268	240	386	1
3715S		268	190	347	1
3715SL		237	200	325	1
3715SLK		236	200	470	1
3716		268	240	379	1

 2715/3715/3716
This tool is used sockets in hard to reach places. 3716 has a reduced square drive and similar function as offset extension bars.

HAND
MANUALES
Z-SERIES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HEADS/REPUESTO

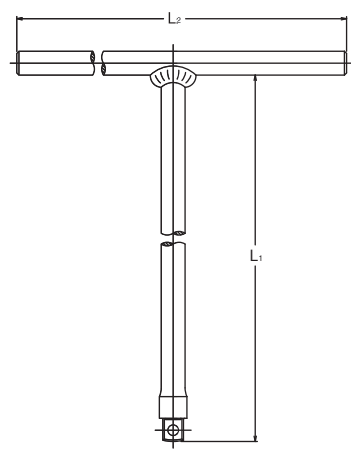
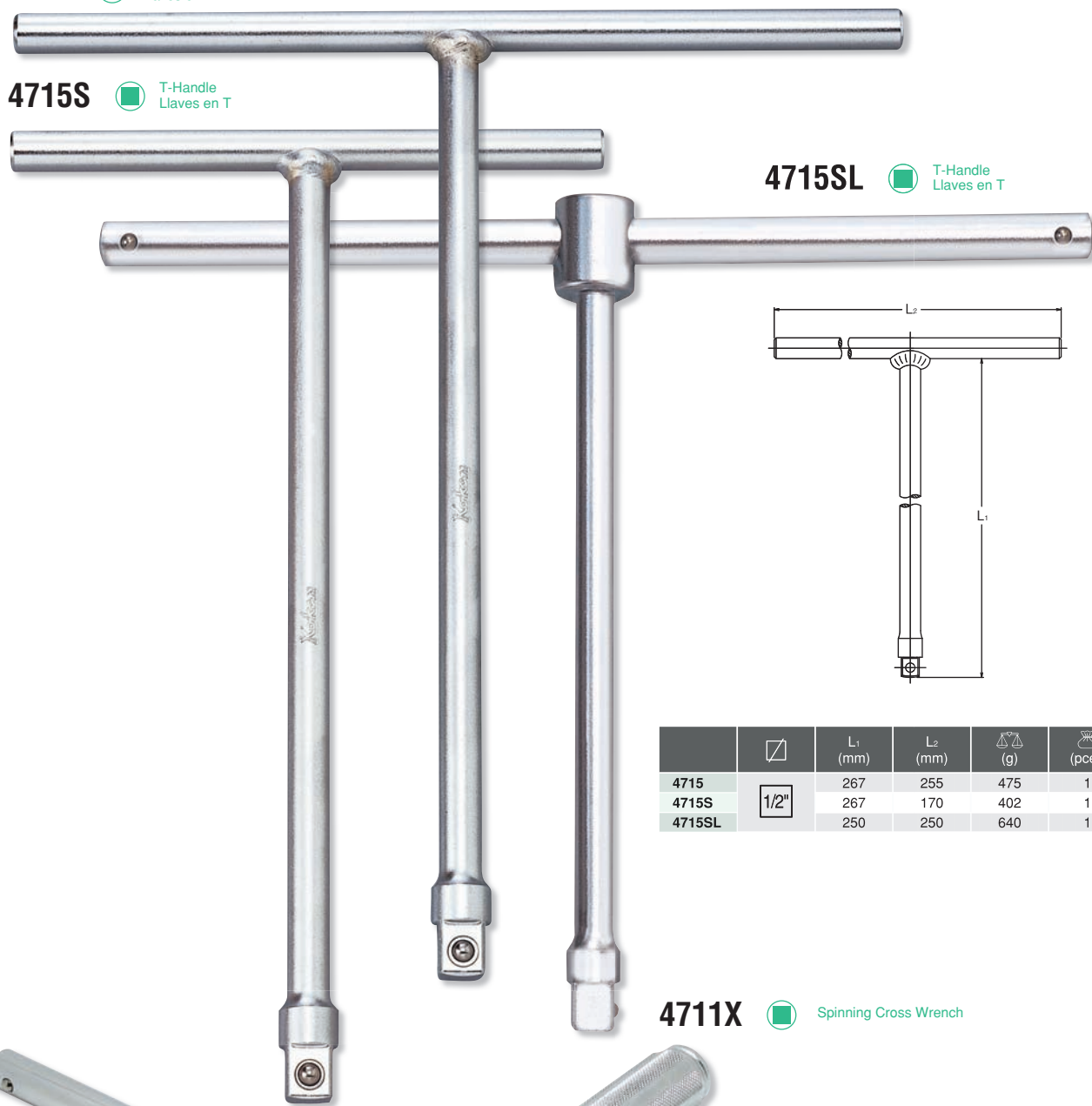
T-Type Wrench





HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

4715  T-Handle
Llaves en T

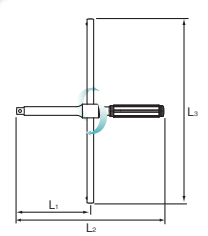
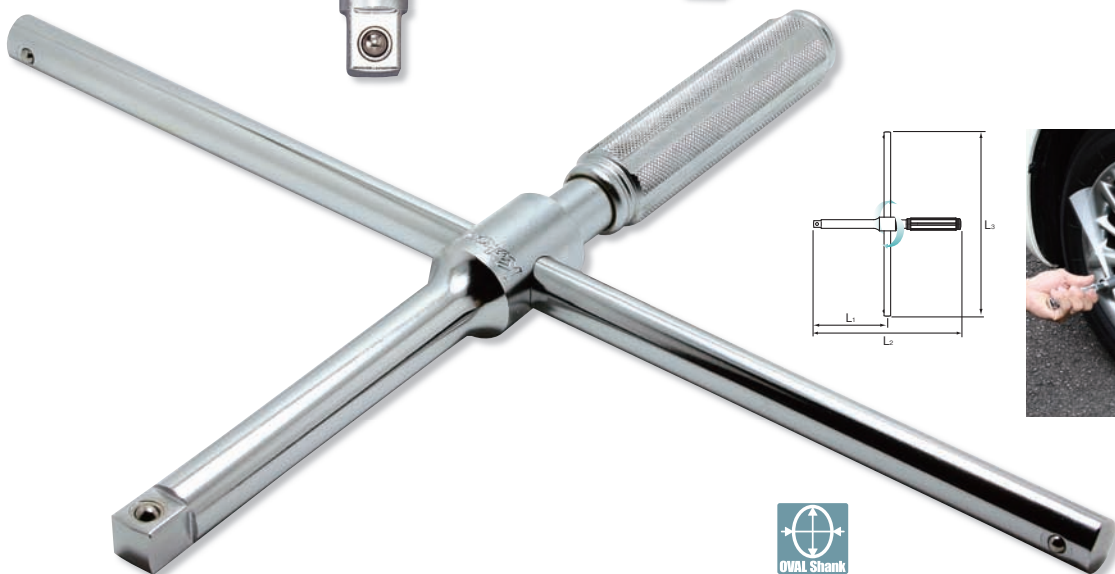
4715S  T-Handle
Llaves en T



4715SL  T-Handle
Llaves en T



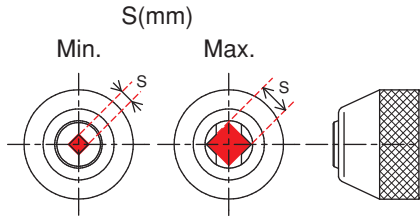
		L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
4715		267	255	475	1
4715S		267	170	402	1
4715SL		250	250	640	1

4711X  Spinning Cross Wrench



		L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	 (g)	 (pce.)
4711X		140	280	350	945	1

3131A	□	S(mm)		L (mm)	⚖ (g)	📦 (pcs.)
		Min.	Max.			
1	3/8"	2.0	5.0	42	80	5
2	3/8"	4.5	8.0	47	100	5



Tap is not included.

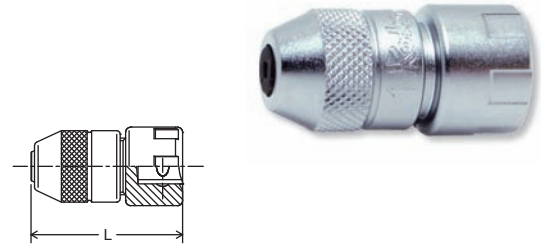
	□	C (mm)	L (mm)	⚖ (g)	📦 (pce.)
160K	3/8"	10	220	130	1
New 160K-1/2	1/2"	10	220	135	1

	□	S (mm)	D (mm)	H (mm)	ℓ (mm)	L (mm)	⚖ (g)	📦 (pcs.)
3132-20	3/8"	20	28	17	7	60	130	5
4132-25		25	34	22	9	60	170	2
4132-38	1/2"	38	48	24	13	80	315	2
4132-50		50	60	27	16	105	740	2

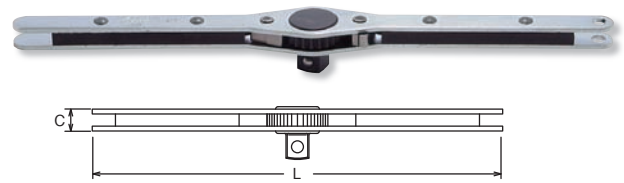


Die is not included.

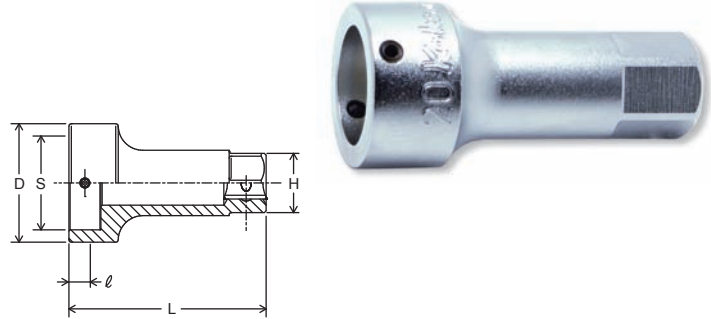
3131A Tap Holder, Adjustable
Adaptadores para machos de terrajas



160K Handle
Llave



3132 Die Holder
Adaptadores



4132 Die Holders
Adaptadores



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE HERRAMIENTAS

Ratcheting Ring Wrench

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

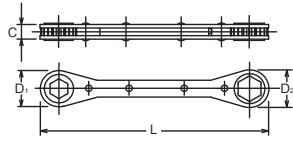
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

102NM • 102NA

Without Reverse Lever
Sin palanca de inversión

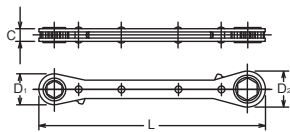


102NM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
6x7	108	15.3	16.4	7.5	60	10
7x8	108	15.3	16.4	7.5	60	10
8x9	134	17.1	19.7	7.5	80	10
8x10	134	17.1	19.7	7.5	80	10
10x11	140	20.1	22.7	7.5	87	10
10x12	140	20.1	22.7	7.5	87	10
12x13	145	23.6	24.6	9	112	10
12x14	145	23.6	24.6	9	112	10

102NA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
7/32 x 1/4	108	15.3	16.4	7.5	60	10
1/4 x 9/32	108	15.3	16.4	7.5	60	10
1/4 x 5/16	108	15.3	16.4	7.5	60	10
5/16x11/32	134	17.1	19.7	7.5	80	10
5/16x 3/8	134	17.1	19.7	7.5	80	10
3/8 x 7/16	140	20.1	22.7	7.5	87	10
7/16x 1/2	145	23.6	24.6	9	112	10
1/2 x 9/16	145	23.6	24.6	9	112	10

102KM • 102KA

Reversible
Reversible



102KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
6x7	108	15.3	16.4	7.2	51	10
7x8	108	15.3	16.4	7.2	51	10
8x9	134	17	20	9.1	76	10
8x10	134	17	20	9.1	76	10
10x11	141	21	23.5	9.1	84	10
10x12	141	21	23.5	9.1	84	10
12x13	146	24	25	9.1	89	10
12x14	146	24	25	9.1	89	5
13x17	200	27.1	31.8	11.5	190	5
14x17	200	27.1	31.8	11.5	200	5

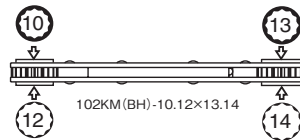
102KA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
7/32x1/4	108	15.3	16.4	7.2	51	10
1/4 x5/16	108	15.3	16.4	7.2	51	10
3/8 x7/16	141	21	23.5	9.1	84	10
1/2 x9/16	146	24	25	9.1	89	10

102KM (BH)

With Twin Openings (Two-in-One)
Con Bocas Gemelas (Dos en Uno)



102KM.BH (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
5.5 • 6x 7 • 8	108	15.3	16.4	10	60	10
8 • 10x12-13	141	21	23.5	13	87	10
9 • 10x11-12	141	21	23.5	13	87	10
10 • 12x13-14	146	24	25	13	98	5
13 • 14x15-17	200	27.1	31.8	16	200	5



102KT

Reversible TORX®
Reversible TORX®



102KT (E)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
E 4xE 6	108	15.3	16.4	7.5	51	10
E 6xE 8	108	15.3	16.4	7.5	51	10
E10xE12	134	17	20	9	76	10

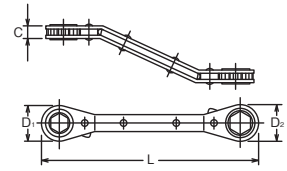
103KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
6x 7	108	15.3	16.4	7.5	51	5
7x 8	108	15.3	16.4	7.5	51	5
8x 9	134	17	20	9	76	5
8x10	134	17	20	9	76	5
10x11	140	21	23.5	9	84	5
10x12	140	21	23.5	9	84	5
12x13	145	24	25	9	89	5
12x14	145	24	25	9	89	5

103KA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
7/32x 1/4	108	15.3	16.4	7.5	51	5
1/4 x 5/16	108	15.3	16.4	7.5	51	5
5/16x11/32	134	17	20	9	76	5
3/8 x 7/16	140	21	23.5	9	84	5
1/2 x 9/16	145	24	25	9	89	5

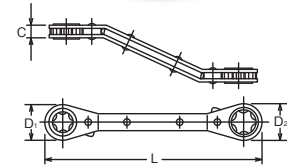
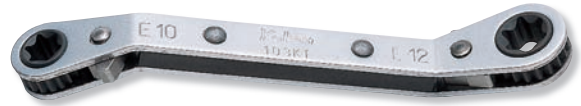
103KT (E)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
E 4xE 6	104	15.3	16.4	7.5	51	5
E 6xE 8	104	15.3	16.4	7.5	51	5
E10xE12	128	17	20	9	76	5
E14xE16	139	24	25	9	89	5

R810 (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
1/4x5/16	108	15.3	16.4	7.5	60	10
3/8x7/16	140	20.1	22.7	7.5	87	10
1/2x9/16	145	23.6	24.6	9	112	10

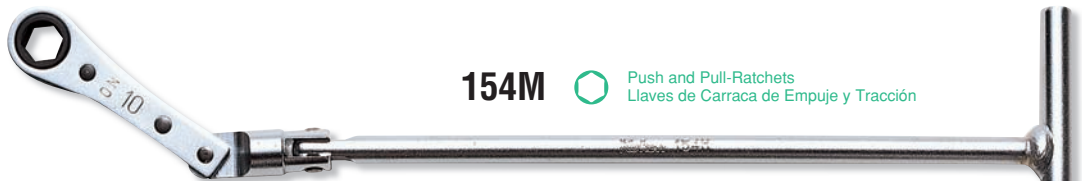
103KM • 103KA Reversible Reversible



103KT Reversible TORX® Reversible TORX®

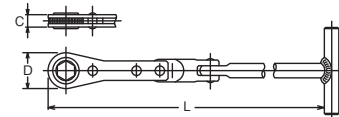


R810 Reversible Reversible



154M Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción

154M (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
8	294	17.1	7.5	178	2
10	297	20.1	7.5	183	2
12	300	23.6	9	189	2
13	301	24.6	9	194	2
14	301	24.6	9	194	2



154ML Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción

154ML (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
10	297	20.1	7.5	230	2
12	300	23.6	9	252	2

Ratcheting Ring Wrench

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

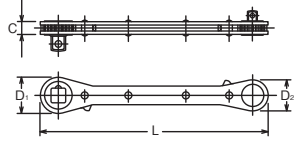
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

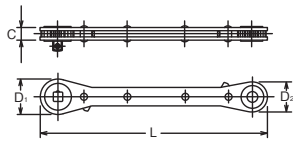
137  For 1/4" and 3/8" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4" y 3/8"



	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
137	141	23.5	21	9	104	5

1/4" x 3/8"

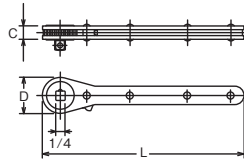
138  For Bits 101
Para Puntas 101



	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
138	141	23.5	21	9	97	10

1/4" x 1/4"

139  For 1/4" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4"

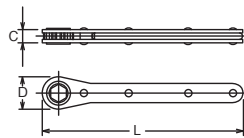


	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
139	125	20.1	7.5	80	10

1/4"

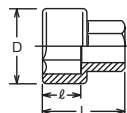


145KM-10H  Reversible, 10mm 6-point
Reversible, 10mm Hexagonal




145KM (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
10H	125	20.1	7.5	72	10

150-10H  Sockets with 10mm 6-point Drive End
Vasos con Conductor Hexagonal 10mm


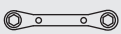



150.10H (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5	12	3.5	11	6	10
6	12	4.5	12.5	7	10
7	12	5	14	7	10
8	12	6	15.5	7	10
9	13	6	16	7	10
10	14.3	7	17	9	10

1203  Sockets with 10mm 6-point Drive End in Set with Ratchet
Juego de Vasos con Conductor Hex con Llave de Carraca







1203		7 Pieces Set/7=250g	
METAL CASE:W130xH65xT20mm			
Sockets		Accessory	
	150.10H 5, 6, 7, 8, 9, 10	145KM-10H	

R810A		5 Pieces Set/📦=208g	
METAL CASE:W130xH65xT20mm			
Bits	Accessory		
 101P Phillips Bits 1, 2, 3		102NA-1/4x5/16	
 101S Slotted Bit 1x7			


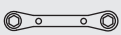



R810A Bit Set
Juego de Puntas



R810B		10 Pieces Set/📦=268g	
METAL CASE:W130xH65xT20mm			
Bits	Accessory		
 101P Phillips Bits 1, 2, 3		102NA-1/4x5/16	
 101S Slotted Bit 1x7			
 128H Hex Bits 3, 4, 5, 6, 8			







R810B Bit Set
Juego de Puntas



R810C		12 Pieces Set/📦=227g	
METAL CASE:W130xH65xT20mm			
Bits, Sockets	Accessories		
 101P Phillips Bits 1, 2, 3		102NA-1/4x5/16	
 101S Slotted Bit 1x7			
 2400M Sockets 5, 6, 7, 8, 9, 10		101A	


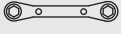
R810C Bit and Socket Set
Juego de Puntas y Vasos



R810D		17 Pieces Set/📦=336g	
METAL CASE:W130xH65xT20mm			
Bits, Sockets	Accessories		
 101P Phillips Bits 1, 2, 3		102NA-1/4x5/16	
 101S Slotted Bit 1x7			
 128H Hex Bits 3, 4, 5, 6, 8		101A	
 2400M Sockets 5, 6, 7, 8, 9, 10			

R810D Bit and Socket Set
Juego de Puntas y Vasos



R810E		9 Pieces Set/📦=445g	
METAL CASE:W130xH65xT20mm			
Sockets	Accessories		
 2300M Deep Sockets 6, 7, 8, 9, 10, 11, 12		102NA-1/4x5/16	

R810E Socket Set
Juego de Vasos



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE SLEEVES-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPOSTO

Ratcheting Ring Wrench

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

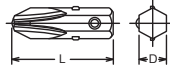
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

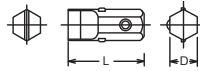
RENEWAL KITS
JUEGOS DE PIEZAS/REPUES TO

101P Phillips Bits Puntas Phillips



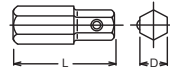
101P (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10

101S Bits for Slotted Head Puntas Rectas/Planas



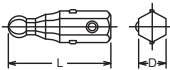
101S	D (mm)	L (mm)	(g)	(pcs.)
1.0x7	6.35	15	3	10
1.2x7	6.35	15	3	10

101H Hex Bits Puntas Hexagonales




101H (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	20.5	5	10
4	6.35	20.5	5	10
5	6.35	20.5	5	10
6	6.35	20.5	5	10
7	6.35	20.5	6	10
8	6.35	20.5	7	10

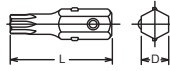
101B Ball point Hex Bits Puntas Hexagonales con bola



101B (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	4	10
5	6.35	25	5	10
6	6.35	25	5	10

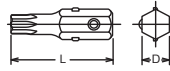
 Ball point bits have less strength due to the special design. Make sure to use them correctly.

101T (T) TORX® Bits Puntas TORX®




101T (T)	D (mm)	L (mm)	(g)	(pcs.)
T 9	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	5	10
T20	6.35	25	5	10
T25	6.35	25	5	10
T27	6.35	25	6	10
T30	6.35	25	6	10

101T (TH) Tamper-Resistant TORX® Bits Punta TORX®, indeformable



101T (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	5	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10

 Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

128H (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
8	8	32	13	10

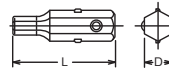
128T (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10

101A	D (mm)	S (mm)	L (mm)	(g)	(pcs.)
	8	6.35	20	8	10

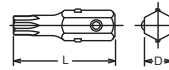
1202		15 Pieces Set/ 420g
METAL CASE: W190xH60xT30mm		
Bits	Accessory	
<ul style="list-style-type: none"> 101P Phillips Bits 1, 2, 3 101S Slotted Bit 1x7 101B Ballpoint Hex Bits 3, 4, 5, 6 101T Torx® Bits T10, T15, T20, T25, T27, T30 	138	

2254M		12 Pieces Set/ 450g
METAL CASE: W160xH100xT28mm		
Bits	Accessories	
<ul style="list-style-type: none"> 101P Phillips Bits 1, 2, 3 101S Slotted Bits 1x7, 1.2x7 101H Hex Bits 3, 4, 5 	102NA-1/4x5/16 2769F 101A 2137	

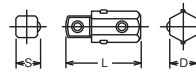
128H Hex Bits Puntas Hexagonales



128T TORX® Bits Puntas TORX®



101A Adaptor Adaptador



1202 Bit Set Juego de Puntas



2254M Bit Set Juego de Puntas



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REUESTO

ATTACK DRIVER®

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCCION
CONSTRUCCION

3112N Attack Driver
Destornillador de Impacto



	□	L (mm)	(g)	(pce.)
3112N	3/8"	159	730	1
3112G		159	810	1

* Renewal Kits → 3112RK → P289

3112G Attack Driver
Destornillador de Impacto



	□	L (mm)	(g)	(pce.)
4112N	1/2"	163	730	1
4112G		163	810	1

* Renewal Kits → 4112RK → P289

4112N Attack Driver
Destornillador de Impacto



	□	L (mm)	(g)	(pce.)
6112	3/4"	190	1900	1

* Renewal Kits → 6112RK → P289

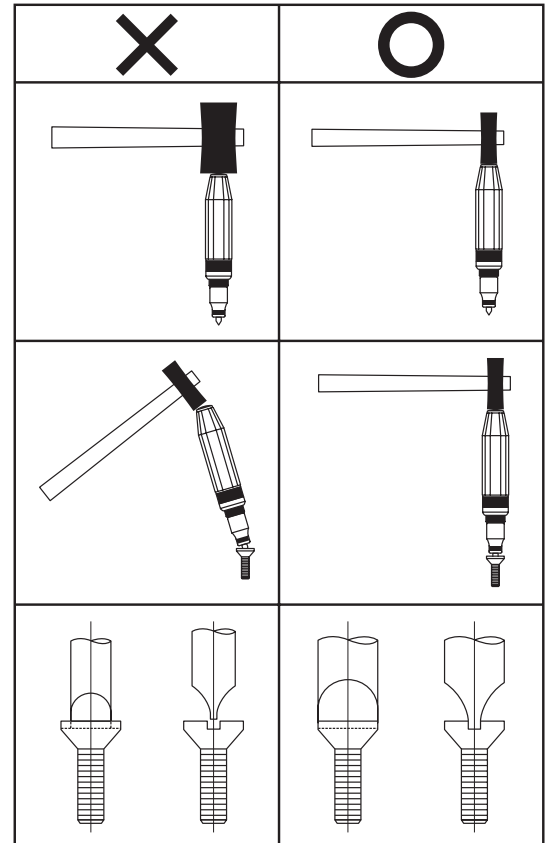


Black finished head prevents peeling off the chrome plate by striking the head.

4112G Attack Driver
Destornillador de Impacto



6112 Attack Driver
Destornillador de Impacto



AN318A 6 Pieces Set/△=1,070g	
METAL CASE:W190xH59xT45mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	3112N
100S.32 Slotted Bits 9, 11	3138

AN112A 6 Pieces Set/△=1,070g	
METAL CASE:W190xH59xT45mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	4112N
100S.32 Slotted Bits 9, 11	4138

AG318A 6 Pieces Set/△=1,150g	
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	3112G
100S.32 Slotted Bits 9, 11	3138

AG112A 6 Pieces Set/△=1,150g	
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	4112G
100S.32 Slotted Bits 9, 11	4138

AN112C 8 Pieces Set/△=1,350g	
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.80 Phillips Bits 1, 2, 3	4112N
100S.80 Slotted Bits 7, 9, 12	4138

AG112F 25 Pieces Set/△=1,530g	
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	4112G
100P.32 PZ Bits PZ2, PZ3	4138
100S.32 Slotted Bits 9, 11	
100H.32 Hex Bits 4, 5, 6, 7, 8, 10	
100T.32 TORX® Bits T25, T27, T30, T40, T45, T50	
100X.32 XZN Bits M5, M6, M8, M10, M12	

AG112H 18 Pieces Set/△=1,480g	
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3, 4	4112G
100S.32 Slotted Bits 8, 9, 10, 12, 14	4138
100H.32 Hex Bits 5, 6, 8, 10	
100T.32 TORX® Bits T30, T40, T45, T50	

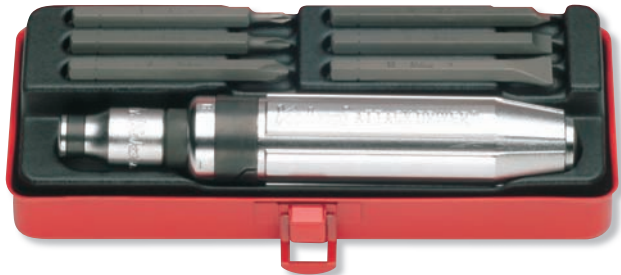
AN318A Attack Driver Set
AN112A Juego de Destornilladores de Impacto



AG318A Attack Driver Set
AG112A Juego de Destornilladores de Impacto



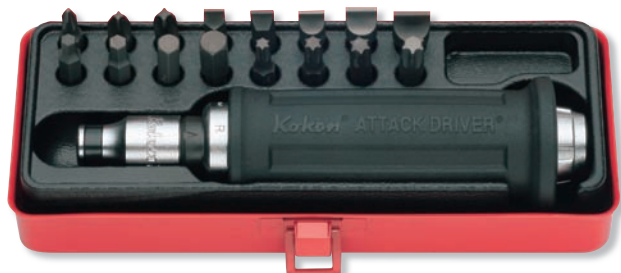
AN112C Attack Driver Set
 Juego de Destornilladores de Impacto



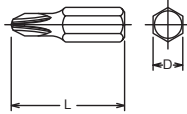
AG112F Attack Driver Set
 Juego de Destornilladores de Impacto



AG112H Attack Driver Set
 Juego de Destornilladores de Impacto



108P-25 · -32 · -50  Phillips Bits
Puntas Phillips

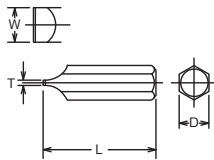


108P.25 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10

108P.32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	32	7	10
2	6.35	32	7	10
3	6.35	32	8	10

108P.50 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	50	10	10
2	6.35	50	11	10
3	6.35	50	11	10

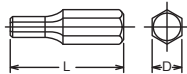
108S-25 · -39  Bits for Slotted head
Puntas Rectas/Planas



108S.25	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5x3	6.35	25	3	10
4	0.6x4	6.35	25	3	10
4.5	0.6x4.5	6.35	25	4	10
5	0.8x5	6.35	25	5	10
5.5	0.8x5.5	6.35	25	5	10
6	1.0x6	6.35	25	5	10
8	1.2x8	6.35	25	6	10

108S.39	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5x3	6.35	39	6	10
4	0.6x4	6.35	39	6	10
4.5	0.6x4.5	6.35	39	6	10
5	0.8x5	6.35	39	7	10
5.5	0.8x5.5	6.35	39	8	10
6	1.0x6	6.35	39	9	10
8	1.2x8	6.35	39	12	10

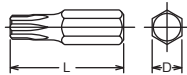
108H-25  Hex Bits
Puntas Hexagonales



108H.25 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10

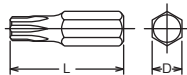
108H.25 (inch)	D (mm)	L (mm)	(g)	(pcs.)
1/8	6.35	25	4	10
9/64	6.35	25	5	10
3/16	6.35	25	5	10
7/32	6.35	25	6	10
1/4	6.35	25	7	10

108T-25 (T)  TORX® Bits
Puntas TORX®




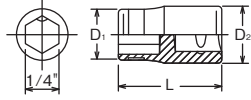
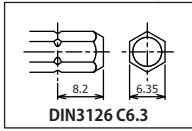
108T.25 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	6.35	25	4	10
T15	6.35	25	4	10
T20	6.35	25	5	10
T25	6.35	25	6	10
T27	6.35	25	6	10
T30	6.35	25	6	10
T40	6.35	25	6	10

108T-25 (TH)  Tamper-Resistant TORX® Bits
Punta TORX®, indeformable 



108T.25 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	6	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10
T40H	6.35	25	6	10

 Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.



	□	D ₁ (mm)	D ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
2137	1/4"	12	12	22.5	13	10
3137	3/8"	13	16.5	30	30	10
4137	1/2"	13	22	38	53	10

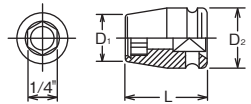
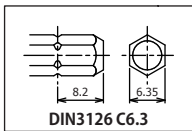
2137 ○ Bit Holder Porta-punta



3137 ○ Bit Holder Porta-punta



4137 ○ Bit Holder Porta-punta



	□	D ₁ (mm)	D ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⚡
12139-1/4	1/4"	11	13	26	15	10	*1
13139-1/4	3/8"	11	19	30	32	10	*2
14139-1/4	1/2"	11	25	38	62	10	*3

*1 Pin/O-Ring=1200A/B
*2 C-Ring=1301C,Pin/O-Ring=1301A/B
*3 C-Ring=1401C,Pin/O-Ring=1401A/B → P238-239

12139 ○ Impact Bit Holder Porta-punta de Impacto



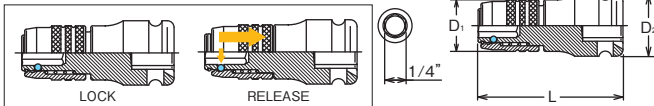
13139 ○ Impact Bit Holder Porta-punta de Impacto



14139 ○ Impact Bit Holder Porta-punta de Impacto



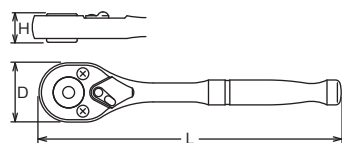
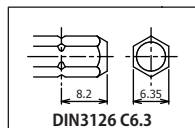
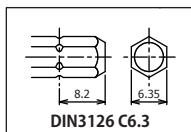
Lock & Quick Release



	□	D ₁ (mm)	D ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⚡
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

*1 C-Ring=1301C,Pin/O-Ring=1301A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B → P238-239

13142-D6.3 ○ Impact Bit Holder for 1/4" (6.3) Bits
14142-D6.3 ○ Porta-punta de Impacto para Puntas 1/4" (6.3)



	D (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
2749P-1/4HF	25	12	125	96	10
2774P-1/4HF	25	12	165	133	2

2749P-1/4HF ○ Reversible Ratchet, for Bits 1/4" Llave de Carraca Reversible, para Puntas 1/4"



2774P-1/4HF ○ Flexible Ratchet, Reversible, for Bits 1/4" Llave de Carraca Reversible, para Puntas 1/4"



100P-32 · -80 · -125

Phillips Bits
Puntas Phillips



100P.32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

100P.80 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	80	30	10
2	8	80	30	10
3	8	80	31	10
4	8	80	32	10

100P.125 (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	8	125	48	10
3	8	125	49	10

100P-32 (PZ)

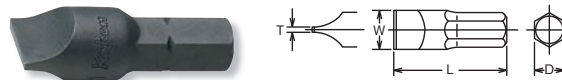
PZ Bits
Puntas PZ



100P.32 (PZ)	D (mm)	L (mm)	(g)	(pcs.)
PZ2	8	32	10	10
PZ3	8	32	11	10

100S-32 · -80

Bits for Slotted Head
Puntas Rectas/Planas



100S.32	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 × 6	8	32	10	10
7	1 × 7	8	32	11	10
8	1.2× 8	8	32	12	10
9	1.6× 9	8	32	12	10
10	1.6×10	8	32	13	10
11	1.6×11	8	32	15	10
12	2 ×12	8	32	18	10
14	2 ×14	8	32	21	10

100S.80	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 × 6	8	80	29	10
7	1 × 7	8	80	30	10
8	1.2× 8	8	80	31	10
9	1.6× 9	8	80	32	10
10	1.6×10	8	80	33	10
11	1.6×11	8	80	33	10
12	2 ×12	8	80	34	10
14	2 ×14	8	80	37	10

100H-32

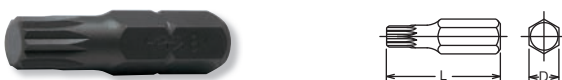
Hex Bits
Puntas Hexagonales



100H.32 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
7	8	32	13	10
8	8	32	13	10
10	8	32	16	10
12	8	32	23	10
14	8	32	29	10

100X-32 (XZN)

XZN Bits
Puntas XZN



100X.32 (XZN)	D (mm)	L (mm)	(g)	(pcs.)
M 5	8	32	10	10
M 6	8	32	11	10
M 8	8	32	12	10
M10	8	32	16	10
M12	8	32	19	10

100T-32 (T)

TORX® Bits
Puntas TORX®



100T.32 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

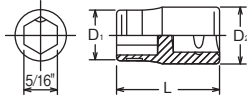
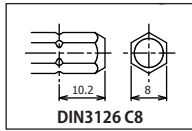
100T-32 (TH)

Tamper-Resistant TORX® Bits
Punta TORX®, indeformable

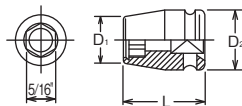
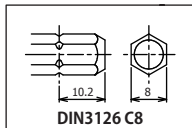


100T.32 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	8	32	9	10
T15H	8	32	9	10
T20H	8	32	9	10
T25H	8	32	10	10
T27H	8	32	10	10
T30H	8	32	11	10
T40H	8	32	12	10
T45H	8	32	12	10
T50H	8	32	12	10
T55H	8	32	12	10

⚠ Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.



	□	D ₁ (mm)	D ₂ (mm)	L (mm)	⚖️ (g)	◇ (pcs.)
2138	1/4"	16	16	26	32	10
3138	3/8"	16	18	38	55	10
4138	1/2"	16	22	38	62	10



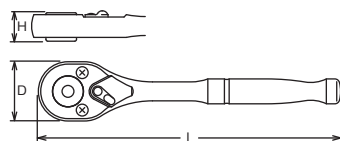
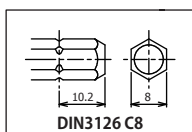
	□	D ₁ (mm)	D ₂ (mm)	L (mm)	⚖️ (g)	◇ (pcs.)	⚙️
12140-5/16	1/4"	14	13	26	15	10	*1
13140-5/16	3/8"	14	19	30	32	10	*2
14140-5/16	1/2"	14	25	38	62	10	*3

*1 Pin/O-Ring=1200A/B

*2 C-Ring=1301C,Pin/O-Ring=1301A/B

*3 C-Ring=1401C,Pin/O-Ring=1401A/B

→ P238-239



	D (mm)	H (mm)	L (mm)	⚖️ (g)	◇ (pcs.)
2749P-5/16HF	25	14	125	96	10
2774P-5/16HF	25	14	165	133	2

2138 ○ Bit Holder
Porta-punta



3138 ○ Bit Holder
Porta-punta



4138 ○ Bit Holder
Porta-punta



12140 ○ Impact Bit Holder
Porta-punta de Impacto



13140 ○ Impact Bit Holder
Porta-punta de Impacto



14140 ○ Impact Bit Holder
Porta-punta de Impacto



2749P-5/16HF ○ Reversible Ratchet, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"



2774P-5/16HF ○ Flexible Ratchet, reversible, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Double ended Bits **5/16"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES


AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

131P-80 Phillips Bits Puntas Phillips



131P.80		D (mm)	L (mm)	(g)	(pcs.)
1	No.1xNo.2	8	80	28	10
2	No.2xNo.3	8	80	29	10
3	No.3xNo.3	8	80	29	10


131S-80 Bits for Slotted heads Puntas Rectas/Planas



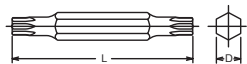
131S.80	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1.0x6	8	80	29	10
7	1.0x7	8	80	29	10
8	1.2x8	8	80	30	10
9	1.6x9	8	80	31	10

131PS-80 Double Ended Bits Puntas



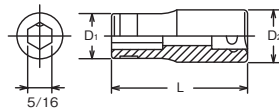
131PS.80		D (mm)	L (mm)	(g)	(pcs.)
2	No.2xNo.6	8	80	29	10
3	No.3xNo.8	8	80	29	10

131T-80 TORX® Bits Puntas TORX®

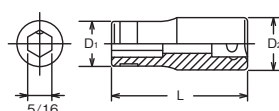



131T.80 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10xT15	8	80	27	10
T20xT25	8	80	27	10
T27xT30	8	80	28	10

3141 Bit Holder, Extra Deep for 131P-80, 131S-80, 131T-80 Porta-punta, extra-largo para 131P-80, 131S-80, 131T-80

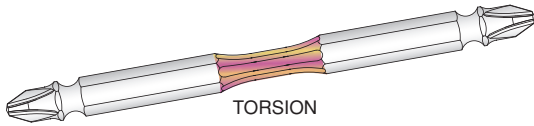


4141 Bit Holder, Extra Deep for 131P-80, 131S-80, 131T-80 Porta-punta, extra-largo para 131P-80, 131S-80, 131T-80

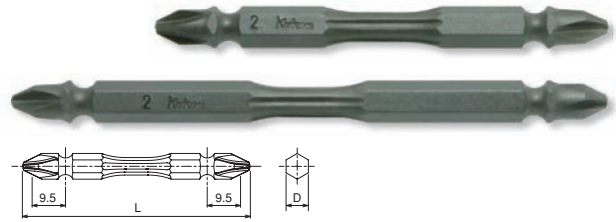


		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
3141	3/8"	16	18	48	60	10
4141	1/2"	16	22	52	70	10

123PT (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10



123PT-75 · -100 + Double Ended Torsion Bits Puntas Phillips, simétricas, Torsion

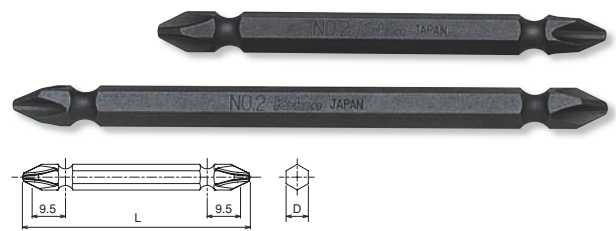


123PN.75 123PG.75 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10

123PN.100 123PG.100 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10

123PN-75 · -100 + Double Ended Bits Puntas Phillips, simétricas

123PG-75 · -100 + Magnetic type



165LM.45 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	13.5	3.5	45	55	10
10	16	4.2	45	58	10
12	18.5	5.6	45	65	10
14	21	6.4	45	70	10

Slide the socket by pulling holder, and pull back the socket to lock on the bit groove.
Ring magnet holds a bolt or nut for easy work.

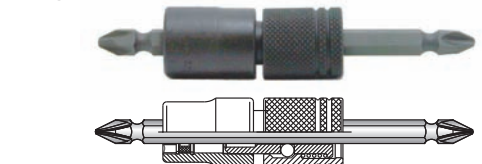
165LM ○ Slide Socket with Magnet



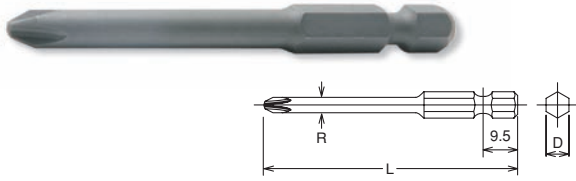
Nut Setter



Phillips Bit



121P-50 · -70 · -100 · -150  Phillips Bits
Puntas Phillips



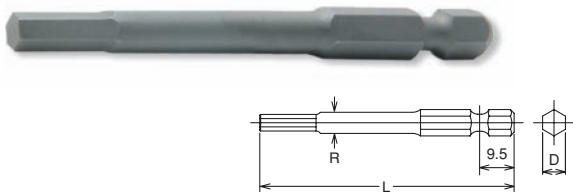
121P.50 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	-	50	13	10

121P.70 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	70	15	10
2	6.35	5.5	70	15	10
3	6.35	-	70	16	10

121P.100 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	100	23	10
2	6.35	5.5	100	23	10
3	6.35	-	100	24	10

121P.150 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	150	30	10
2	6.35	5.5	150	35	10
3	6.35	-	150	36	10

121H-50 · -70 · -100 · -150  Hex Bits
Puntas Hexagonales



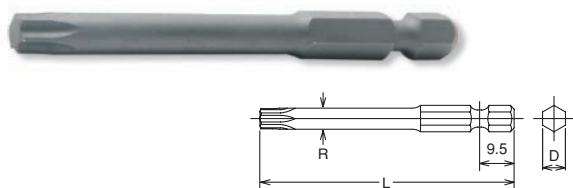
121H.50 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New 2.5	6.35	3.0	50	12	10
3	6.35	3.5	50	12	10
4	6.35	4.5	50	12	10
5	6.35	5.6	50	13	10
6	6.35	-	50	14	10

121H.70 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New 2.5	6.35	4.0	70	15	10
3	6.35	4.0	70	15	10
4	6.35	4.5	70	15	10
5	6.35	5.6	70	16	10
6	6.35	-	70	18	10

121H.100 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New 2.5	6.35	4.0	100	23	10
3	6.35	4.0	100	23	10
4	6.35	4.5	100	23	10
5	6.35	5.6	100	24	10
6	6.35	-	100	26	10

121H.150 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
3	6.35	4.5	150	37	10
4	6.35	5.0	150	37	10
5	6.35	6.0	150	38	10
6	6.35	-	150	39	10

121T-50 · -70 · -100 · -150 (T)  TORX® Bits
Puntas TORX®



121T.50 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New T10	6.35	3.0	50	12	10
T15	6.35	3.5	50	12	10
T20	6.35	4.1	50	12	10
T25	6.35	4.6	50	12	10
T27	6.35	5.2	50	13	10
T30	6.35	5.7	50	13	10
T40	6.35	-	50	14	10

121T.70 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New T10	6.35	3.5	70	16	10
T15	6.35	3.5	70	16	10
T20	6.35	4.1	70	16	10
T25	6.35	4.6	70	16	10
T27	6.35	5.2	70	17	10
T30	6.35	5.7	70	17	10
T40	6.35	-	70	18	10

121T.100 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New T10	6.35	3.5	100	24	10
T15	6.35	4.0	100	24	10
T20	6.35	4.1	100	24	10
T25	6.35	4.6	100	24	10
T27	6.35	5.2	100	24	10
T30	6.35	5.7	100	25	10
T40	6.35	-	100	26	10

121T.150 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15	6.35	4.0	150	37	10
T20	6.35	4.5	150	37	10
T25	6.35	5.0	150	37	10
T27	6.35	5.6	150	37	10
T30	6.35	6.0	150	38	10
T40	6.35	-	150	39	10

121T.70 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T20H	6.35	4.1	70	16	10
T25H	6.35	4.6	70	16	10
T27H	6.35	5.2	70	17	10
T30H	6.35	5.7	70	17	10
T40H	6.35	-	70	18	10

121T.100 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T20H	6.35	4.1	100	24	10
T25H	6.35	4.6	100	24	10
T27H	6.35	5.2	100	24	10
T30H	6.35	5.7	100	25	10
T40H	6.35	-	100	26	10

⚠ Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

121T.50 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New 20IP	6.35	4.1	50	12	10
New 25IP	6.35	4.6	50	12	10
New 27IP	6.35	5.2	50	13	10
New 30IP	6.35	5.7	50	13	10
New 40IP	6.35	-	50	14	10

121T.70 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
New 20IP	6.35	4.1	70	16	10
New 25IP	6.35	4.6	70	16	10
New 27IP	6.35	5.2	70	17	10
New 30IP	6.35	5.7	70	17	10
New 40IP	6.35	-	70	18	10

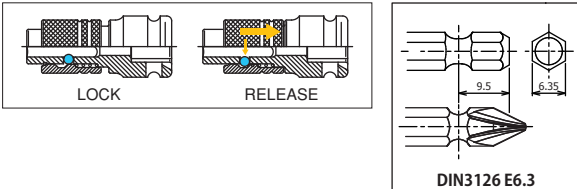
	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⚙
12137E	1/4"	12	13	36	22	10	*1
13137H	3/8"	13	19	42	77	10	*2
13137E		12	19	40	40	10	*2
14137E	1/2"	12	25	48	70	10	*3

*1 Pin/O-Ring=1200A/B

*2 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

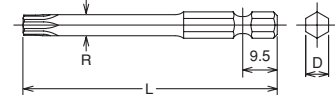
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

Lock & Quick Release



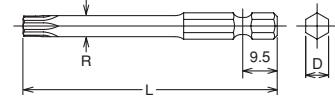
121T-70 · -100 (TH)

⚠ Tamper-Resistant TORX® Bits Punta TORX®, indeformable



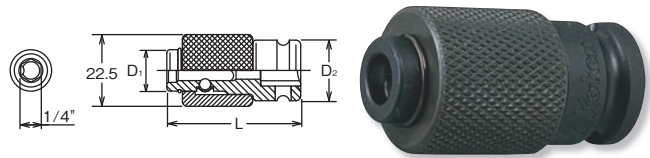
121T-50 · -70 (IP)

TORX Plus® Bits Putas TORX Plus®



13137H

Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)

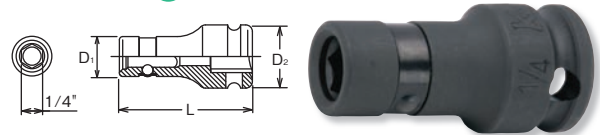


12137E

Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)

13137E

14137E

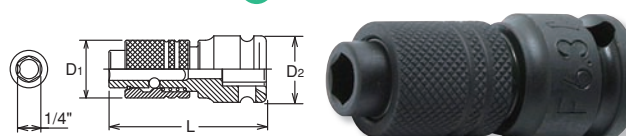


12142-F6.3

Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)

13142-F6.3

14142-F6.3



	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⚙
12142-F6.3	1/4"	16.5	13	36	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3

*1 Pin/O-Ring=1200A/B

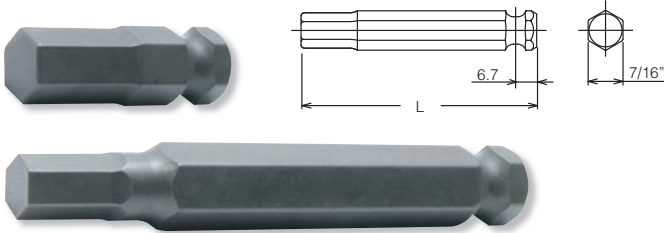
*2 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

*3 C-Ring=1401C, Pin/O-Ring=1401A/B

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

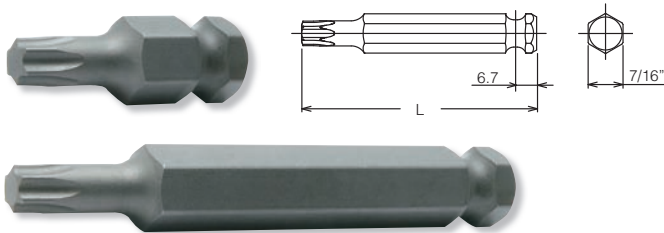
183H-35 · -75

Bits for Inhex Screws
Puntas para Tornillos Inhex



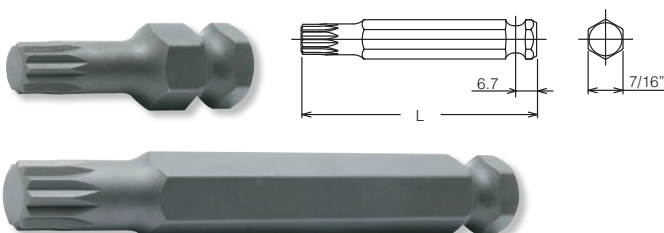
183T-35 · -75(T)

TORX® Bits
Puntas TORX®



183X-35 · -75(XZN)

XZN Bits
Puntas XZN



13134 ○ Bit Holder
Porta Punta

14134 ○

16134 ○



13142-F11.2 ○ Bit Holder
Porta Punta

14142-F11.2 ○



	183H.35 (mm)	L (mm)	(g)	(pcs.)
New	3	35	15	10
New	4	35	15	10
New	5	35	15	10
New	6	35	18	10
New	8	35	20	10
New	10	35	26	10
New	12	35	30	10

	183H.75 (mm)	L (mm)	(g)	(pcs.)
New	3	75	48	10
New	4	75	48	10
New	5	75	49	10
New	6	75	51	10
New	8	75	52	10
New	10	75	57	10
New	12	75	65	10

	183T.35 (T)	L (mm)	(g)	(pcs.)
New	T30	35	18	10
New	T40	35	20	10
New	T45	35	22	10
New	T50	35	26	10
New	T55	35	30	10
New	T60	35	38	10

	183T.75 (T)	L (mm)	(g)	(pcs.)
New	T30	75	48	10
New	T40	75	49	10
New	T45	75	51	10
New	T50	75	52	10
New	T55	75	57	10
New	T60	75	67	10

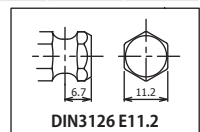
	183X.35 (XZN)	L (mm)	(g)	(pcs.)
New	M 5	35	18	10
New	M 6	35	20	10
New	M 8	35	22	10
New	M10	35	26	10
New	M12	35	30	10
New	M14	35	38	10

	183X.75 (XZN)	L (mm)	(g)	(pcs.)
New	M 5	75	48	10
New	M 6	75	49	10
New	M 8	75	51	10
New	M10	75	52	10
New	M12	75	57	10
New	M14	75	67	10

	□	D (mm)	L (mm)	(g)	(pcs.)	⚡	
New	13134	3/8"	22	32	70	10	*1
New	14134	1/2"	25	38	90	10	*2
New	16134	3/4"	44	52	200	2	*3

*1 C-Ring=1302C,Pin/O-Ring=1302A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B
*3 C-Ring=1600C,Pin/O-Ring=1601A/B

→ P238-239

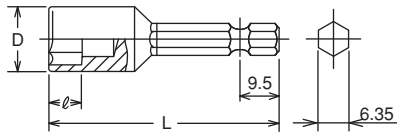


	□	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	⚡	
New	13142-F11.2	3/8"	18.9	22	46	116	10	*1
New	14142-F11.2	1/2"	18.9	25	46	207	10	*2

*1 C-Ring=1302C,Pin/O-Ring=1302A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B

→ P238-239

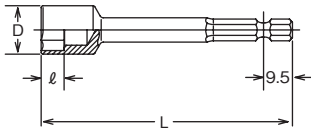
113-50 Nut Setters Vasos para apretar tuercas Hexagonales



113.50 (mm)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	31	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10

113.50 (inch)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14.2	7	50	31	10
1/2	18	8	50	42	10

113-75 · -100 · -150 · -200 · -250 Nut Setters Vasos para apretar tuercas Hexagonales



113.75 (mm)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	75	31	10
8	12.7	6	75	32	10
10	14.5	7	75	35	10
12	17	8	75	42	10
13	18	8	75	41	10
14	19	9	75	43	10

113.100 (mm)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	100	40	10
8	12.7	6	100	41	10
10	14.5	7	100	45	10
12	17	8	100	52	10
13	18	8	100	51	10
14	19	9	100	53	10

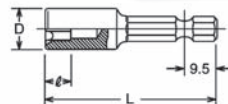
113.150 (mm)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	150	59	10
8	12.7	6	150	60	10
10	14.5	7	150	64	10
12	17	8	150	70	10
13	18	8	150	76	10
14	19	9	150	78	10

113.200 (mm)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10

113.250 (mm)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	250	99	10
8	12.7	6	250	100	10
10	14.5	7	250	105	10
12	17	8	250	113	10
13	18	8	250	114	10
14	19	9	250	119	10

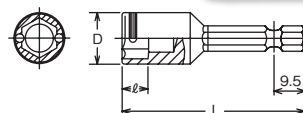
113.50 (E)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10

113-50 (E) Nut Setters, TORX® Vasos para apretar tuercas, TORX®



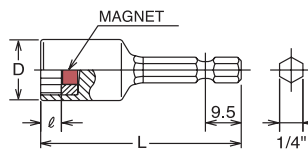
113.50 (mm)	D (mm)	l (mm)	L (mm)	(g)	(pcs.)
7(2B)	11	5	50	20	10
8(2B)	12	6	50	21	10
10(2B)	14.2	7	50	26	10
13(2B)	18	8	50	31	10

113-50 (2B) Nut Setters Nut Grip® Vasos para apretar tuercas con 2 bolas



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

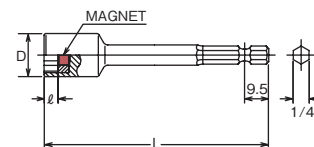
115-50  Nut Setters with Magnet
Vasos para tuercas con Imán



115.50 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

115.50 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	10	1.8	50	17	10
1/4(DP2.4)	10	2.4	50	17	10
5/16	12	3.5	50	20	10
3/8	14.2	4.2	50	29	10
1/2	18	6	50	50	10

115-75 · -100 · -150 · -200 · -250  Nut Setters with Magnet
Vasos para tuercas con Imán



115.75 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	75	32	10
8	12.7	3.5	75	33	10
10	14.5	4.2	75	38	10
12	17	5.6	75	46	10
13	18	6	75	49	10
14	19	6.4	75	52	10

115.100 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	100	41	10
8	12.7	3.5	100	42	10
10	14.5	4.2	100	50	10
12	17	5.6	100	58	10
13	18	6	100	62	10
14	19	6.4	100	65	10

115.150 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	150	60	10
8	12.7	3.5	150	61	10
10	14.5	4.2	150	68	10
12	17	5.6	150	77	10
13	18	6	150	82	10
14	19	6.4	150	85	10

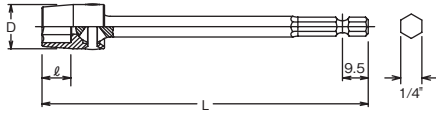
115.200 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	200	79	10
8	12.7	3.5	200	80	10
10	14.5	4.2	200	88	10
12	17	5.6	200	97	10
13	18	6	200	102	10
14	19	6.4	200	105	10

115.250 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	250	101	10
8	12.7	3.5	250	103	10
10	14.5	4.2	250	110	10
12	17	5.6	250	118	10
13	18	6	250	122	10
14	19	6.4	250	124	10



113UN-100 · -150 · -200

6-point Universal Joint Nut Setters
Vasos para apretar tuercas Hexagonales con Articulación Universal



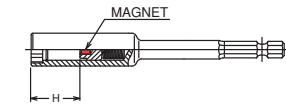
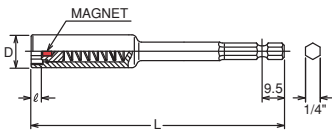
113UN.100 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	13	7	100	50	10
10	15	8	100	53	10
12	17	10	100	56	10
13	18	10	100	65	10
14	19.2	10	100	67	10

113UN.150 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10

113UN.200 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	13	7	200	75	10
10	15	8	200	87	10
12	17	10	200	98	10
13	18	10	200	116	10
14	19.2	10	200	116	10

115G-75 · -100 · -150 · -200

Nut Setters with sliding Magnet
Vasos para tuercas con Imán Corredizo

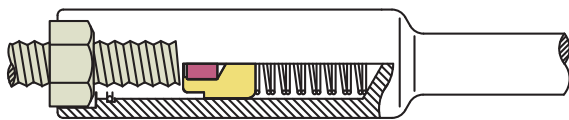


115G.75 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

115G.100 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	100	51	10
8	12.7	4	26	100	51	10
10	14.5	4.5	26	100	57	10
12	17	6	26	100	77	10
13	18	6.5	25	100	80	10
14	19	7	24	100	82	10

115G.150 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

115G.200 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	200	86	10
8	12.7	4	26	200	89	10
10	14.5	4.5	26	200	96	10
12	17	6	26	200	119	10
13	18	6.5	25	200	125	10
14	19	7	24	200	128	10

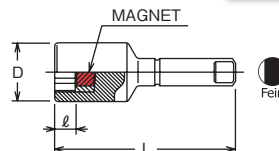


Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line work.

El sistema de imán corredizo proporciona espacio para el perno y al mismo tiempo acción magnética. El artículo 115G está diseñado específicamente para líneas de montaje.

119.50 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	17	10
6	10	2.4	50	20	10
7	11	2.8	50	22	10
8	12	3.5	50	23	10
10	14	4.2	50	30	10
12	17	5.6	50	42	10
13	18	6	50	52	10

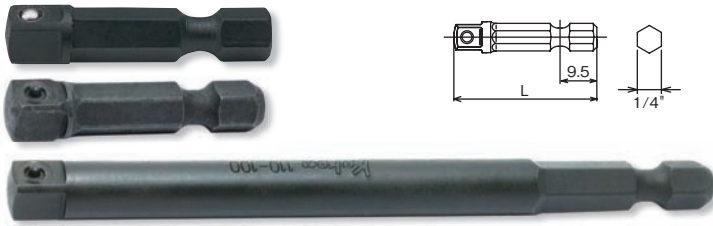
119 Nut Setters with Magnet Vasos para tuercas con Imán



119.50 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	10	1.8	50	20	10
5/16	12	3.5	50	23	10
3/8	14	4.2	50	30	10

**110-35B · -50B · -100B · -150B
-35P · -50P · -100P · -150P**

Adaptors
Adaptadores

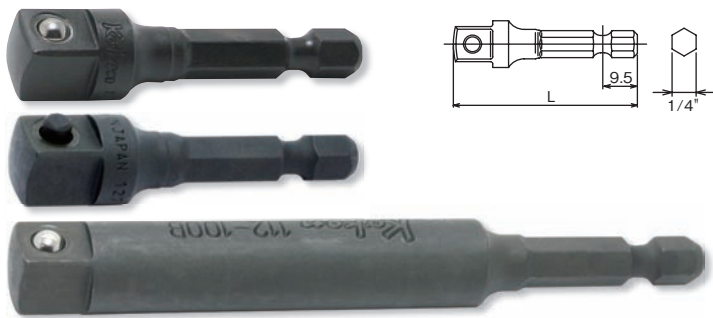


110	□	TYPE	L (mm)	(g)	(pcs.)
35B	1/4"	Ball	35	9	10
35P		Pin	35	9	10
50B		Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	34	10
100P		Pin	100	34	10
150B	Ball	150	54	10	
150P	Pin	150	54	10	

● DIN 3126 Form E 6.3

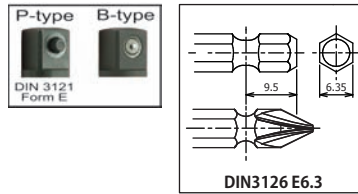
**112-50B · -100B · -150B
-50P · -100P · -150P**

Adaptors
Adaptadores



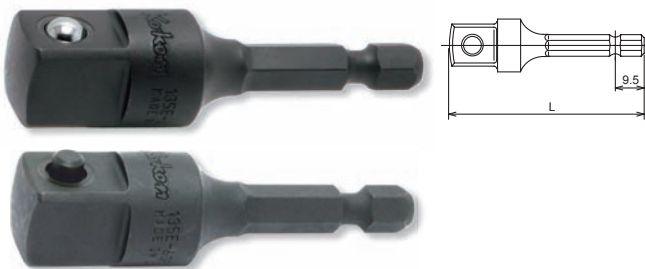
112	□	TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	21	10
50P		Pin	50	21	10
100B		Ball	100	71	10
100P		Pin	100	71	10
150B		Ball	150	121	10
150P		Pin	150	121	10

● DIN 3126 Form E 6.3



135E-60B · -60P

Adaptors
Adaptadores



135E	□	TYPE	L (mm)	(g)	(pcs.)
60B	1/2"	Ball	60	46	10
60P		Pin	60	46	10

● DIN 3126 Form E 6.3

**117-50B · -100B
-50P · -100P**

Adaptors
Adaptadores



117	□	TYPE	L (mm)	(g)	(pcs.)
50B	1/4"	Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	71	10
100P		Pin	100	71	10

● DIN 3126 Form G7

120-50B · -50P

Adaptors
Adaptadores

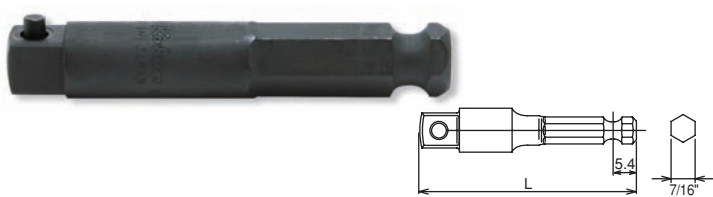


120	□	TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	27	10
50P		Pin	50	27	10

● DIN 3126 Form E8

186-75P

Adaptors with Pin
Adaptadores con Perno

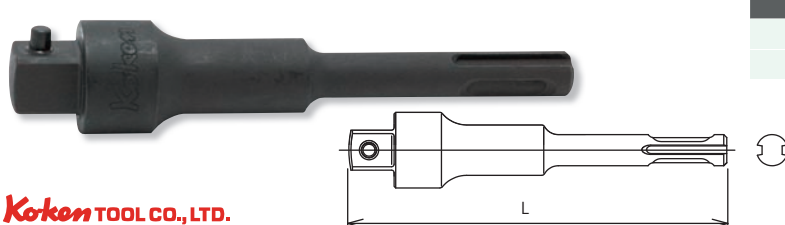


186-75P	□	L (mm)	(g)	(pcs.)
3/8	3/8"	75	65	10
1/2	1/2"	75	85	10

● DIN 3126 Form E11.2

BD022-120P

Hammer Drill Adaptor
Adaptador para Taladro de Percusión



BD022-120P	□	L (mm)	(g)	(pcs.)
3/8	3/8"	120	100	10
1/2	1/2"	120	160	10

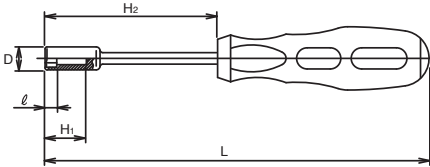
Screwdrivers






Screwdrivers

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

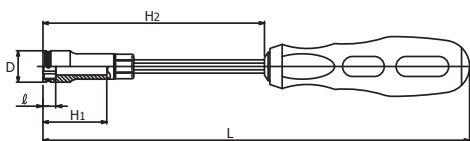
167M · 167A Socket Drivers Destornilladores de Vaso








167M (mm)	D (mm)	l (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
3	5.8	3	25	125	225	62	6
3.5	5.8	3	25	125	225	62	6
4	6.7	3.5	25	125	225	64	6
4.5	7.2	4.5	25	125	225	65	6
5	7.8	5	25	125	225	66	6
5.5	8.4	5.5	25	125	225	68	6
6	9.1	6	25	125	225	70	6
7	10.9	6.5	25	125	235	101	6
8	12	7	25	125	235	103	6
9	13.2	7.5	25	125	235	107	6
10	14.5	8	25	125	235	111	6
11	15.9	8.5	25	125	245	155	6
12	16.8	9	25	125	245	161	6
13	18.2	9.5	25	125	245	167	6
14	19.2	11	25	125	245	178	6

167A (inch)	D (mm)	l (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
1/4	9.1	6	25	125	225	70	6

167C (2B) Interchangeable Socket Driver, Nut Grip®



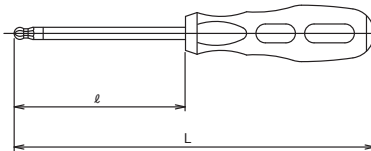
167C(2B) (mm)	D (mm)	l (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
7(2B)	11.5	4	38	122	235	120	6
8(2B)	12.3	5	38	122	235	125	6
10(2B)	14.2	6	38	122	235	130	6
12(2B)	17.3	7	38	122	235	135	6


167C/3-2B	4 Pieces Set/  =280g
PLASTIC BAG	
Socket Drivers	
 Socket:	7, 8, 10
 Grip:	167C-GRIP

168H-B  Ball point Hex Screwdrivers 



168H (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
3B	80	150	25	6
4B	125	225	60	6
5B	125	235	85	6
6B	125	245	150	6
7B	125	245	151	6
8B	125	245	153	6

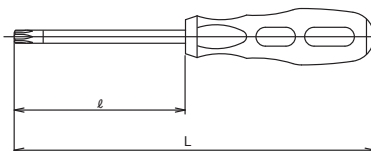



 Ball point Hex Screwdrivers have less strength due to the special design. Make sure to use them correctly.



168T (TH)  Tamper-Resistant TORX® Screwdrivers 



168T (TH)	ℓ (mm)	L (mm)	(g)	(pcs.)
T10H	80	150	25	6
T15H	80	150	25	6
T20H	125	225	60	6
T25H	125	225	60	6
T27H	125	235	90	6
T30H	125	235	92	6
T40H	125	245	153	6



 Tamper Resistant TORX® Screwdrivers have less strength due to the special design. Make sure to use it correctly.

168T/7 (TH)  Set Juego 

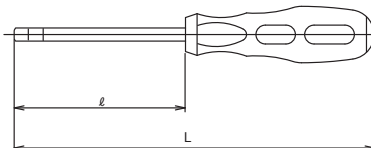
168T/7-TH	(g)
168T-T10H, T15H, T20H, T25H, T27H, T30H, T40H	480



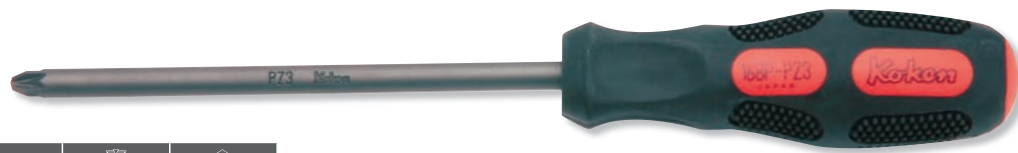
168R  Square Screwdrivers



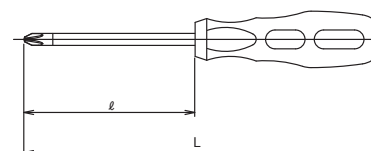
168R	ℓ (mm)	L (mm)	(g)	(pcs.)
1	125	225	60	6
2	125	235	85	6



168P (PZ)  PZ Screwdrivers



168P (PZ)	ℓ (mm)	L (mm)	(g)	(pcs.)
PZ1	75	175	78	6
PZ2	100	210	129	6
PZ3	150	270	203	6



TORX is a registered trademark of Acument Intellectual Properties, LLC.
TORX es una marca registrada de Acument Intellectual Properties, LLC.

Screwdrivers

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

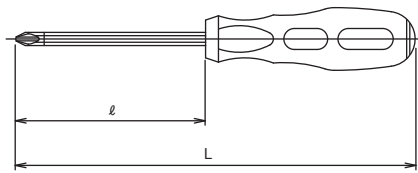
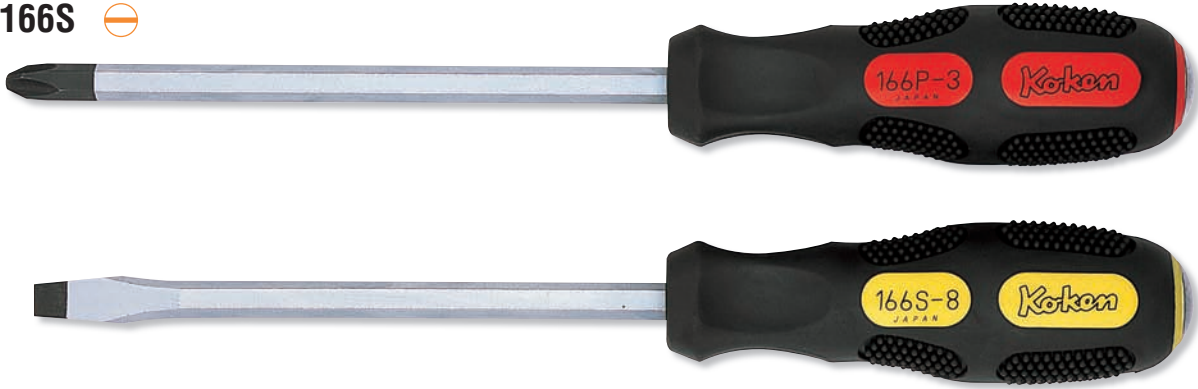
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

166P  Screwdrivers (Blade-Through type)
166S  Destornilladores





166P (PH)	l (mm)	L (mm)	(g)	(pcs.)
1	75	175	78	6
2	100	210	129	6
3	150	270	203	6

166S	l (mm)	L (mm)	(g)	(pcs.)
5	75	175	78	6
6	100	210	129	6
8	150	270	203	6



166PS/6   Set Juego



166PS/6	6 Pieces Set/△=885g
CARDBOARD BOX:W280xH115xT40mm	
Screwdrivers	
	166P Screwdrivers 1, 2, 3
	166S Screwdrivers 5, 6, 8

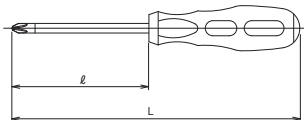
PK166PS/6   Set Juego



PK166PS/6	6 Pieces Set/△=950g
PLASTIC TRAY	
Screwdrivers	
	166P Screwdrivers 1, 2, 3
	166S Screwdrivers 5, 6, 8




HAND MANUALES Z-SERIES TITANIUM DE TITANIO ACCESSORIES ACCESORIOS SCREWDRIVERS DESTORNILLADORES IMPACT DE IMPACTO SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES PROTECTOR PROTECTORES AUTOMOTIVE CONSTRUCTION CONSTRUCCION RENEWAL KITS JUEGOS DE HEZAS/REPUESTO




168P  Screwdrivers
168S  Destornilladores



168P (PH)	ℓ (mm)	L (mm)	(g)	(pcs.)
1	75	175	59	6
2	100	210	86	6
2(150)	150	260	100	6
2(200)	200	310	111	6
3	150	270	150	6

168S	ℓ (mm)	L (mm)	(g)	(pcs.)
5	75	175	59	6
6	100	210	86	6
6(150)	150	260	100	6
6(200)	200	310	111	6
8	150	270	150	6

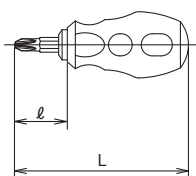
168PS/6 6 Pieces Set/  =660g
 CARDBOARD BOX:W280xH115xT40mm
 Screwdrivers
 **168P** Screwdrivers 1, 2, 3
 **168S** Screwdrivers 5, 6, 8

PK168PS/6 6 Pieces Set/  =720g
 PLASTIC TRAY
 Screwdrivers
 **168P** Screwdrivers 1, 2, 3
 **168S** Screwdrivers 5, 6, 8

168PS/6   Set Juego

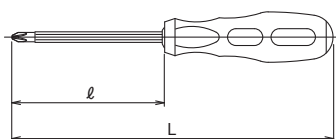


PK168PS/6   Set Juego



168CS	ℓ (mm)	L (mm)	(g)	(pcs.)
2x6	22	86	46	6

168CS   Interchangeable Screwdrivers, Stubby



168C	ℓ (mm)	L (mm)	(g)	(pcs.)
2x6	100	210	108	6
2x6(150)	150	260	120	6
2x6(200)	200	310	133	6

168C   Interchangeable Screwdrivers



Screwdrivers

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

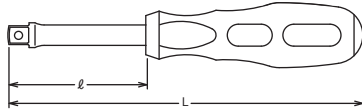
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2769N-150 • -220

Spin Type Handle
Mango Tipo Destornillador

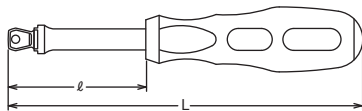


2769N		ℓ (mm)	L (mm)	 (g)	 (pcs.)
150	1/4"	50	150	68	2
220		120	220	100	2

Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.

2769NWF-150 • -220

Spin Type Handle (Wobble-Fix)
Mango Tipo Destornillador (Articulado-Fijo)



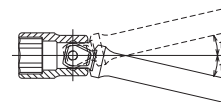
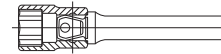
2769NWF		ℓ (mm)	L (mm)	 (g)	 (pcs.)
150	1/4"	50	150	68	2
220		120	220	100	2

Wobble-Fix Extension Bar

Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

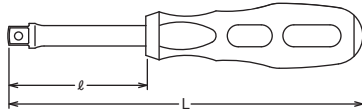
Alargadera Articulada-Fija

Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



3769N-160 • -230

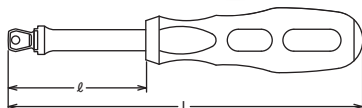
Spin Type Handle
Mango Tipo Destornillador



3769N		ℓ (mm)	L (mm)	 (g)	 (pcs.)
160	3/8"	50	160	96	2
230		120	230	126	2

3769NWF-160 • -230

Spin Type Handle (Wobble-Fix)
Mangos Tipo Destornillador (Articulado-Fijo)



3769NWF		ℓ (mm)	L (mm)	 (g)	 (pcs.)
160	3/8"	50	160	96	2
230		120	230	126	2

Impact Sockets

1/4"

3/8"

1/2"

5/8"

3/4"

1"

1-1/2"

2-1/2"

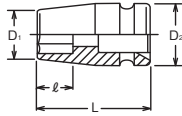
3-1/2"



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

12400M • 12400A

6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.

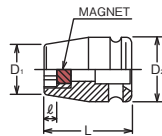
12400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
4	7.5	13	4	23	14	10	*1
4.5	8.1	13	4	23	14	10	*1
5	8.8	13	4	23	14	10	*1
5.5	9.4	13	4	23	14	10	*1
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	14	10	*1
8	12.5	13	6	23	14	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	15	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1
14	20	13	9	23	20	10	*1

12400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
5/32	7.5	13	4	23	14	10	*1
3/16	8.1	13	4	23	14	10	*1
1/4	10	13	5	23	14	10	*1
9/32	11.3	13	5	23	14	10	*1
5/16	12.5	13	6	23	14	10	*1
11/32	13.8	13	7	23	14	10	*1
3/8	15	13	7	23	15	10	*1
7/16	16.3	13	8	23	18	10	*1
1/2	18.8	13	8	23	19	10	*1
9/16	20	13	9	23	20	10	*1

*1 Pin/O-Ring=1200A/B → P239

12400MG • 12400AG

6-point Sockets with Magnet
Vasos Hexagonales con Imán



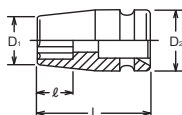
12400MG (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
4	7.5	13	2.1	23	12	10	*1
4.5	8.1	13	2.1	23	13	10	*1
5	8.8	13	2.1	23	15	10	*1
5.5	9.4	13	2.1	23	15	10	*1
6	10	13	2.4	23	16	10	*1
7	11.3	13	2.8	23	16	10	*1
8	12.5	13	3.5	23	17	10	*1
9	13.8	13	3.8	23	18	10	*1
10	15	13	4.2	23	18	10	*1
11	16.3	13	4.9	23	21	10	*1
12	17.5	13	5.6	25	21	10	*1
13	18.8	13	6	25	21	10	*1
14	20	13	6.4	25	20	10	*1

12400AG (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
3/16	8.1	13	2.1	23	13	10	*1
1/4	10	13	2.4	23	16	10	*1
5/16	12.5	13	3.5	23	17	10	*1
11/32	13.8	13	3.8	23	18	10	*1
3/8	15	13	4.2	23	18	10	*1
7/16	16.3	13	4.9	23	21	10	*1
1/2	18.8	13	6	25	21	10	*1
9/16	20	13	6.4	25	20	10	*1

*1 Pin/O-Ring=1200A/B → P239

12410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas.

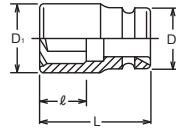
12410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	15	10	*1
8	12.5	13	6	23	15	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	14	10	*1
11	16.3	13	8	23	17	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1

*1 Pin/O-Ring=1200A/B → P239

12465M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	23	17	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	9	23	18	10	*1
13	18.8	13	9	23	20	10	*1

*1 Pin/O-Ring=1200A/B → P239

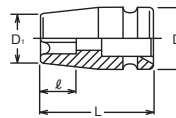
12465M Pathfinder Sockets Vasos Pathfinder (Guía)



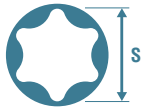
12425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

*1 Pin/O-Ring=1200A/B → P239

12425 TORX® Sockets Vasos TORX®



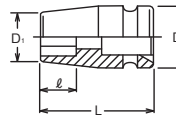
TORX® (E)



E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S	(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

12460M • 12460A

 Sockets with Magnets for Self-Tapping Screws
Vasos con Imán para Tornillos Autorroscantes

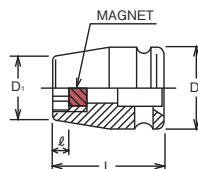


12460M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

12460A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

*1 Pin/O-Ring=1200A/B → P239

12460MG • 12460AG With Magnet for Self-Tapping Screws Con Imán para Tornillos Autorroscantes



12460MG (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

12460AG (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	2.4	23	16	10	*1
5/16	12.8	13	3.5	25	18	10	*1
3/8	15.3	13	4.2	28	20	10	*1
7/16	16.6	13	4.9	29	27	10	*1
1/2	19.1	13	6	30	23	10	*1

*1 Pin/O-Ring=1200A/B → P239

Impact Sockets **1/4"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

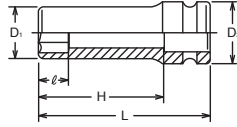
PROTECTOR
PROTECTORES


AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUES

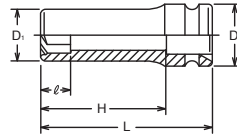
12300M 6-point Sockets, Deep Vasos Hexagonales Largos




12300M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
7	11.3	13	7	38	48	30	10	*1
8	12.5	13	8	38	48	32	10	*1
10	15	13	10	37	48	34	10	*1
11	16.3	13	11	37	48	46	10	*1
12	17.5	13	12	37	48	49	10	*1
13	18.8	13	13	37	48	52	10	*1
14	20	13	14	36	48	57	10	*1

*1 Pin/O-Ring=1200A/B → P239

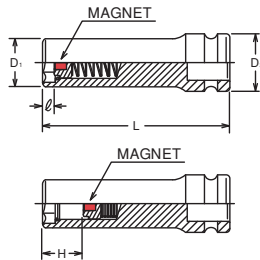
12365M Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos




12365M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

*1 Pin/O-Ring=1200A/B → P239

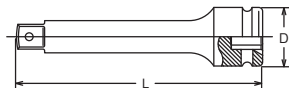
12300G Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo




12300G (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

*1 Pin/O-Ring=1200A/B → P239

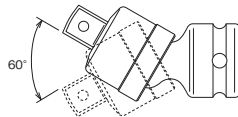
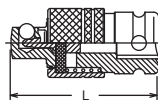
12760-55 · -75 · -100 Extension Bars Alargaderas




12760	D (mm)	L (mm)	(g)	(pcs.)	
55	13	55	26	10	*1
75	13	75	45	10	*1
100	13	100	50	10	*1

*1 Pin/O-Ring=1200A/B → P239

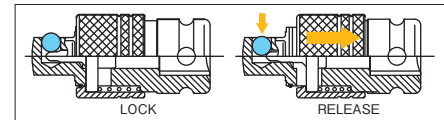
12222AL Adaptor (Quick Release) Adaptador (Extracción Rápida)



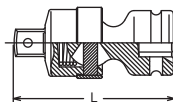
	L (mm)	(g)	(pcs.)	
12222AL	35	30	10	*1


*1 Pin/O-Ring=1200A/B → P239

Lock & Quick Release



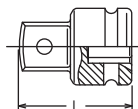
12770 Universal Joint Articulación Universal



	L (mm)	(g)	(pcs.)	
12770	39	30	10	*1

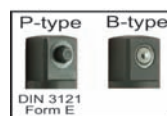
*1 Pin/O-Ring=1200A/B → P239

12233A Adaptor Adaptador



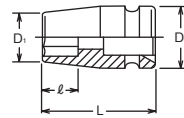
	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
12233A	1/4"	3/8"	22	15	10	*1
12233A-B	1/4"	3/8"	22	15	10	*1
12233A-P	1/4"	3/8"	22	15	10	*1

*1 Pin/O-Ring=1200A/B → P239



13400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
20	28.3	22	12	32	70	10	*2
21	29.5	22	12	32	71	10	*2
22	30.8	22	13	32	72	10	*2
23	32	22	13	32	75	10	*2
24	33.3	22	13	32	78	10	*2

13400M • 13400A 6-point Sockets Vasos Hexagonales

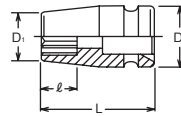


13400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239
 *2 C-Ring=1302C, Pin/O-Ring=1302A/B

13405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
17	24.5	22	12	32	60	10	*2
19	27	22	12	32	67	10	*2

13405M • 13405A 12-point Sockets Vasos Bihexagonales



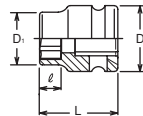
13405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239
 *2 C-Ring=1302C, Pin/O-Ring=1302A/B

13401MS (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239
 *2 C-Ring=1302C, Pin/O-Ring=1302A/B

13401MS 6-point Short Sockets, Thin-walled. Vasos Hexagonales de Pared Delgada, Short



RS13401MS/5 Socket Set on Rail Juego de Vasos en Regleta



RS13401MS/5	5 Pieces Set/Rail 150mm	(g)
8, 10, 12, 13, 14		180



HAND MANUALES
 Z-SERIES
 TITANIUM DE TITANIO
 ACCESSORIES ACCESORIOS
 SCREWDRIVERS DESTORNILLADORES
 IMPACT DE IMPACTO
 SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
 PROTECTOR PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION CONSTRUCCION
 RENEWAL KITS JUEGOS DE HEZAS/REBUSTO

Impact Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

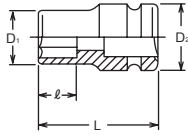
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUSTO

13401M • 13401A

6-point Socket, Thin Walled
Vasos Hexagonales de Pared Delgada



13401A (inch)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	(V)
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

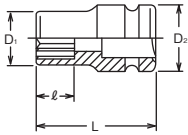
*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

13401M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	(V)
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

13406M • 13406A

12-point Socket, Thin Walled
Vasos Bihexagonales de Pared Delgada



13406A (inch)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	(V)
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

13406M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	(V)
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

RS13401M/9

Socket Set on Rail
Juego de Vasos en Regleta



RS13401M/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		505

13400MG (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	2.4	32	46	10	*1
7	12	19	2.8	32	45	10	*1
8	13.3	19	3.5	32	45	10	*1
9	14.5	19	3.8	32	44	10	*1
10	15.8	19	4.2	32	49	10	*1
11	17	19	4.9	32	50	10	*1
12	18.3	19	5.6	32	55	10	*1
13	19.5	22	6	32	70	10	*2
14	20.8	22	6.4	32	76	10	*2
15	22	22	6.8	32	76	10	*2
16	23.3	22	7	32	88	10	*2
17	24.5	22	7.5	32	95	10	*2
18	25.8	22	7.8	32	105	10	*2
19	27	22	8	32	116	10	*2
21	29.5	22	8	32	125	10	*2
22	30.8	22	9.5	32	135	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

13410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	42	10	*1
12	18.3	19	9	32	50	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
19	27	22	12	32	67	10	*2
22	30.8	22	13	32	72	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

13465M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	13	32	63	10	*2
19	27	22	13	32	66	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

13425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
E12	14.2	19	9.3	32	43	10	*1
E14	17.2	19	10.6	32	44	10	*1
E16	18.2	19	11.8	32	42	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

→ P238-239

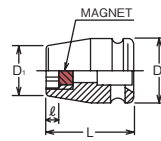
13425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8EPL	12	19	5.2	32	44	10	*1
10EPL	13.3	19	6.2	32	44	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

→ P238-239

13400MG · 13400AG

6-point Sockets with Magnet
Vasos Hexagonales con Imán



13400AG (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	2.4	32	46	10	*1
5/16	13.3	19	3.5	32	45	10	*1
11/32	14.5	19	3.8	32	44	10	*1
3/8	15.8	19	4.2	32	49	10	*1
7/16	17	19	4.9	32	50	10	*1
1/2	19.5	22	6	32	70	10	*2
9/16	20.8	22	6.4	32	76	10	*2
5/8	23.3	22	7	32	88	10	*2
11/16	24.5	22	7.5	32	95	10	*2
3/4	27	22	8	32	116	10	*2

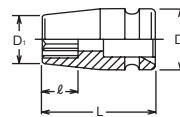
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

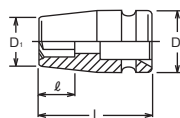
13410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



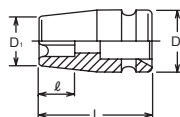
13465M

Pathfinder Sockets
Vasos Pathfinder (Guía)



13425

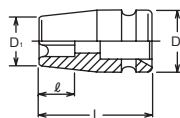
TORX® Sockets
Vasos TORX®



13425-EPL

TORX PLUS® Sockets
Vasos TORX PLUS®

TORX *plus*



Impact Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

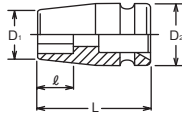
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

13460M • 13460A

For Self-Tapping Screws
Para Tornillos Autorroscantes



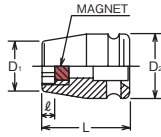
13460M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
13	20.3	22	10	32	60	10	*2

13460A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	5	32	43	10	*1
3/8	16.6	19	7	32	45	10	*1
1/2	20.3	22	10	32	60	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

13460MG • 13460AG

Sockets with Magnets for Self-Tapping Screws
Vasos con Imán para Tornillos Autorroscantes



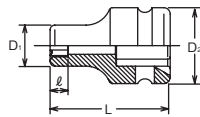
13460MG (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	2.4	32	44	10	*1
7	12.8	19	2.8	32	46	10	*1
8	14.1	19	3.5	32	48	10	*1
10	16.6	19	4.2	33	54	10	*1
13	20.3	22	6	34	81	10	*2

13460AG (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

13401LH

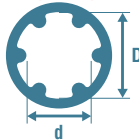
LHS Sockets
Vasos LHS



13401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
5S	11	19	5	32	32	10	*1
6S	12.3	19	5.6	32	34	10	*1
8S	16	19	6.8	32	36	10	*1
10S	18.5	22	8	32	50	10	*2
12S	22.3	22	9.2	32	58	10	*2
14S	24.8	22	10.4	32	63	10	*2
16S	28.5	22	11.6	32	77	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

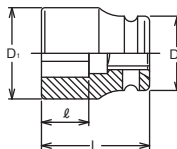
LHSTIX® (LH-S)



	LH-S	LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
D	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0
d	(ref. mm)	5.60	6.78	9.04	11.30	13.56	15.82	18.08

13400-WN

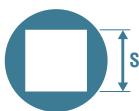
Weld Nut Sockets



13400-WN	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6WN	15.8	19	6	32	48	10	*1
8WN	18.3	19	8	32	48	10	*1
9WN	19.5	22	9	32	47	10	*2
10WN	20.8	22	10	32	65	10	*2
12WN	24.5	22	12	32	73	10	*2
14WN	27	22	14	32	79	10	*2
17WN	32	22	17	35	110	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

WN



	WN	6WN	8WN	9WN	10WN	12WN	14WN	17WN
S	(ref. mm)	6	8	9	10	12	14	17

3/8" Impact Sockets

13301X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
8	12.3	18.5	8	36.5	50	40	10	*1
10	14.8	18.5	10	36.5	50	46	10	*1
11	16	18.5	11	36.5	50	49	10	*1
12	17.3	18.5	12	36.5	50	53	10	*1
13	18.5	21.5	13	36.5	50	67	10	*2
14	19.8	21.5	14	36.5	50	70	10	*2
15	21	21.5	15	35.5	50	75	10	*2
16	22.3	21.5	16	35.5	50	78	10	*2
17	23.5	21.5	17	35.5	50	82	10	*2
18	24.8	21.5	18	34.5	50	86	10	*2
19	26	21.5	19	34.5	50	93	10	*2
21	28.5	21.5	21	34.5	50	104	10	*2
22	29.8	21.5	22	33.5	50	110	10	*2
23	31	21.5	23	33.5	50	115	10	*2
24	32.3	21.5	24	32.5	50	120	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

RS13301X/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		710

13300XG (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
8	13.3	19	4	20.5	50	40	10	*1
10	15.8	19	4.5	20	50	46	10	*1
11	17	19	5	20	50	50	10	*1
12	18.3	19	6	20	50	55	10	*1
13	19.5	22	6.5	19	50	70	10	*2
14	20.8	22	7	18	50	75	10	*2

New

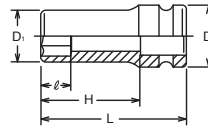
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

13300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
6	10.8	19	6	66.5	80	77	10	*1
7	12	19	7	66.5	80	82	10	*1
8	13.3	19	8	66.5	80	82	10	*1
9	14.5	19	9	66.5	80	88	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
15	22	22	15	65.5	80	157	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	192	10	*2
20	28.3	22	20	64.5	80	224	10	*2
21	29.5	22	21	64.5	80	226	10	*2
22	30.8	22	22	63.5	80	231	10	*2

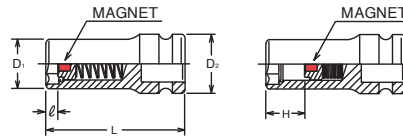
13301X 6-point Sockets, Semi-Deep Vasos Hexagonales Medianos de Pared Delgada



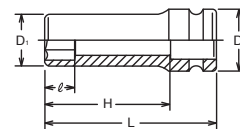
RS13301X/9 Socket Set on Rail Juego de Vasos en Regleta



13300XG Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo



13300M • 13300A 6-point Sockets, Deep Vasos Hexagonales Largos



13300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	24.5	22	17	65.5	80	168	10	*2
3/4	27	22	19	64.5	80	192	10	*2
13/16	29.5	22	21	64.5	80	226	10	*2
7/8	30.8	22	22	63.5	80	231	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL
INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Impact Sockets 3/8"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

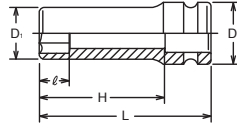
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

13301M • 13301A

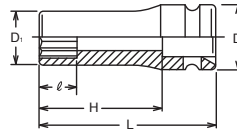
6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada



13301M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10	18.5	6	66.5	80	65	10	*1
7	11	18.5	7	66.5	80	66	10	*1
8	12.3	18.5	8	66.5	80	68	10	*1
9	13.5	18.5	9	66.5	80	70	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
15	21	21.5	15	65.5	80	120	10	*2
16	22.3	21.5	16	65.5	80	130	10	*2
17	23.5	21.5	17	65.5	80	136	10	*2
18	24.8	21.5	18	64.5	80	145	10	*2
19	26	21.5	19	64.5	80	155	10	*2
20	27.3	21.5	20	64.5	80	170	10	*2
21	28.5	21.5	21	64.5	80	181	10	*2
22	29.8	21.5	22	63.5	80	190	10	*2

13305M

12-point Sockets, Deep
Vasos Bihexagonales Largos



13301A (inch)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10	18.5	6	66.5	80	65	10	*1
5/16	12.3	18.5	8	66.5	80	68	10	*1
3/8	14.8	18.5	10	66.5	80	72	10	*1
7/16	16	18.5	11	66.5	80	80	10	*1
1/2	18.5	21.5	13	66.5	80	100	10	*2
9/16	19.8	21.5	14	66.5	80	110	10	*2
5/8	22.3	21.5	16	65.5	80	130	10	*2
11/16	23.5	21.5	17	65.5	80	136	10	*2
3/4	26	21.5	19	64.5	80	155	10	*2
13/16	28.5	21.5	21	64.5	80	181	10	*2
7/8	29.8	21.5	22	63.5	80	190	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

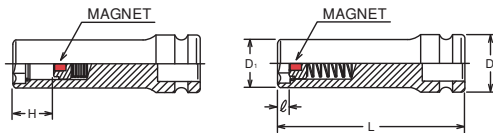
13305M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	66.5	80	82	10	*1
10	15.8	19	10	66.5	80	94	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
17	24.5	22	17	65.5	80	168	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

13300G

Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo



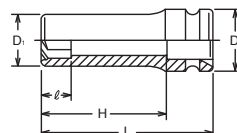
13300G (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

13310M

Surface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos



13310M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
19	27	22	19	64.5	80	190	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

13365M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
 *2 C-Ring=1302C, Pin/O-Ring=1302A/B
 → P238-239

13325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
New E 8	11.7	19	7	66.5	80	80	10	*1
New E10	12.2	19	8.2	66.5	80	85	10	*1
New E12	14.2	19	9.3	66.5	80	90	10	*1
New E14	17.2	19	10.6	66.5	80	110	10	*1
New E16	18.2	19	11.8	66.5	80	110	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
 → P238-239

13440M (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
10	15.8	5	57	115	10	*1
11	17	6	57	115	10	*1
12	18.3	6	57	115	10	*1
13	19.5	6	57	115	10	*1
14	20.8	7	59	120	10	*1
15	22	7	59	120	10	*1
16	23.3	8	59	120	10	*1
17	24.5	8	59	120	10	*1
18	25.8	9	61	126	10	*1
19	27	10	61	130	10	*1
20	29.5	10	61	135	10	*1
22	32	13	61	185	10	*1
24	34.5	13	63	190	10	*1

13440A (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
3/8	15.8	5	57	115	10	*1
7/16	17	6	57	115	10	*1
1/2	19.5	6	57	115	10	*1
9/16	20.8	7	59	120	10	*1
5/8	23.3	8	59	120	10	*1
11/16	24.5	8	59	120	10	*1
3/4	27	10	61	130	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B
 → P238-239

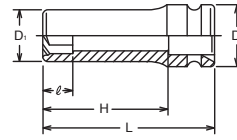
13440T (E)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
E10	13.3	8.2	58	115	10	*1
E12	15.8	9.3	58	115	10	*1
E14	17	10.6	58	115	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B
 → P238-239

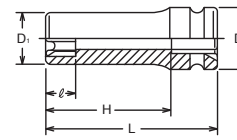
13430M (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
5	24	15	74	120	10	*1
6	24	15	74	131	10	*1
8	24	20	74	136	10	*1
10	24	20	74	141	10	*1
17	24	7	53	150	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B
 → P238-239

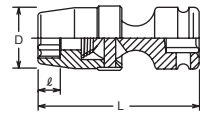
13365M Pathfinder Sockets deep Vasos Pathfinder (Guía) Largos



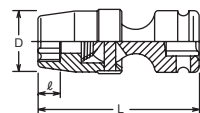
13325 TORX® Deep Sockets Vasos TORX® Largos



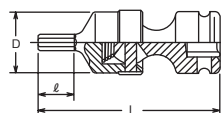
13440M • 13440A Universal Sockets Vasos con Articulación Universal



13440T TORX® Universal Sockets Vasos TORX® con Articulación Universal



13430M Universal Inhex Sockets Vasos Inhex con Articulación Universal



HAND MANUALES
 Z-SERIES
 TITANIUM DE TITANIO
 ACCESSORIES ACCESORIOS
 SCREWDRIVERS DESTORNILLADORES
 IMPACT DE IMPACTO
 SLEEVE-DRIVE INDUSTRIAL
 INDUSTRIALES
 PROTECTOR PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION CONSTRUCCION
 RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

Impact Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
DESTORNILLADORES
ACCESORIOS

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

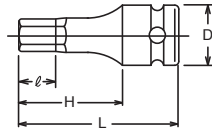
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

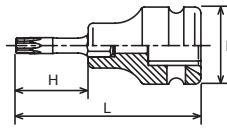
13012M-52 Inhex Sockets Vasos con Punta Hexagonal



13012M.52 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⊕
4	18	15.5	34	52	35	10	*1
5	18	15.5	34	52	35	10	*1
6	18	15.5	34	52	39	10	*1
7	18	15.5	34	52	44	10	*1
8	21	15.5	34	52	60	10	*2
10	21	15.5	34	52	70	10	*2
12	21	15.5	34	52	79	10	*2
14	21	15.5	34	52	92	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13025-50 · -90 TORX® Bit Sockets Vasos con Punta TORX®



13025.50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⊕
T20	19	23.5	50	35	10	*1
T25	19	23.5	50	35	10	*1
T27	19	23.5	50	35	10	*1
T30	19	23.5	50	35	10	*1
T40	19	23.5	50	39	10	*1
T45	19	23.5	50	60	10	*1
T50	19	23.5	50	70	10	*1
T55	22	23.5	50	79	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13025.90 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⊕
New T20	19	63.5	90	43	10	*1
New T25	19	63.5	90	45	10	*1
New T27	19	63.5	90	47	10	*1
New T30	19	63.5	90	50	10	*1
New T40	19	63.5	90	58	10	*1
New T45	19	63.5	90	66	10	*1
New T50	19	63.5	90	80	10	*1
New T55	22	63.5	90	120	10	*2

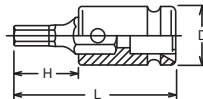
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

RS13025/8-L50 Socket Set on Rail Juego de Vasos en Regleta



RS13025/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		380

13105-11 Hex Bit Sockets Vasos con Punta Hexagonal

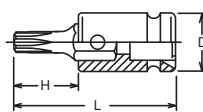


13105.11 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⊕
1/4	22	22	54	89	10	*1
5/16	22	22	54	92	10	*1
3/8	22	22	54	96	10	*1
1/2	22	22	54	108	10	*1
3/4	22	22	54	128	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

13105.11 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⊕
3	22	22	54	87	10	*1
4	22	22	54	87	10	*1
5	22	22	54	88	10	*1
6	22	22	54	89	10	*1
7	22	22	54	90	10	*1
8	22	22	54	92	10	*1
10	22	22	54	96	10	*1
12	22	22	54	101	10	*1
14	22	22	54	108	10	*1
17	22	22	54	120	10	*1
19	22	22	54	128	10	*1

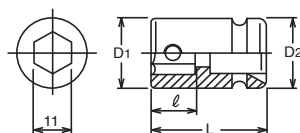
13105-11 (T) TORX® Bit Sockets Vasos con Punta TORX®



13105.11 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⊕
T25	22	22	54	87	10	*1
T30	22	22	54	87	10	*1
T40	22	22	54	87	10	*1
T45	22	22	54	87	10	*1
T50	22	22	54	92	10	*1
T55	22	22	54	96	10	*1
T60	22	22	54	101	10	*1


*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

13105 Bit Holder, For 107-11 Porta Punta



13105	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
13105	22	22	13	32	70	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

 Replacement Screw : M5x6, ●2.5mm

107.11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107.11(L80) (mm)	L (mm)	(g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

107.11 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10

107.11(L80) (T)	L (mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45	80	56	10
T50	80	57	10
T55	80	66	10
T60	80	76	10

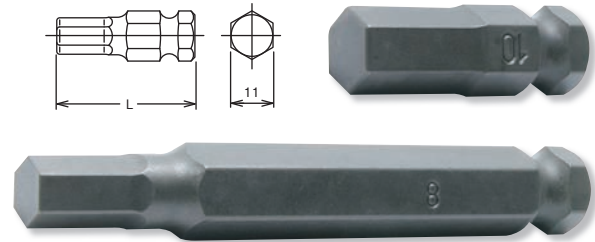
107.11 (IP)	L (mm)	(g)	(pcs.)
New 30IP	35	18	10
New 40IP	35	20	10
New 45IP	35	22	10
New 50IP	35	25	10
New 55IP	35	30	10
New 60IP	35	40	10

107.11(L80) (IP)	L (mm)	(g)	(pcs.)
New 30IP	80	55	10
New 40IP	80	55	10
New 45IP	80	55	10
New 50IP	80	57	10
New 55IP	80	65	10
New 60IP	80	76	10

107.11 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10

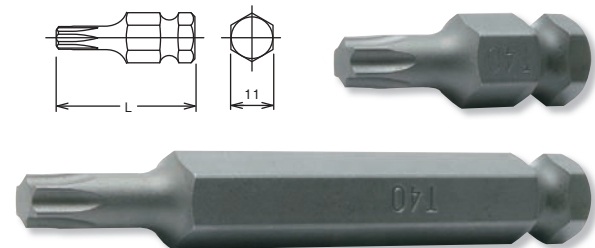
107.11(L80) (XZN)	L (mm)	(g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

107-11 Bits for Inhex Screws Puntas para Tornillos de Seis Lados en el Interior (Inhex)

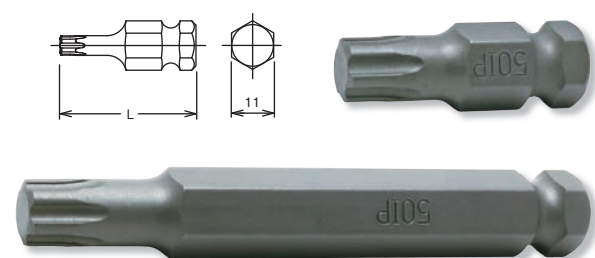


107.11 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10

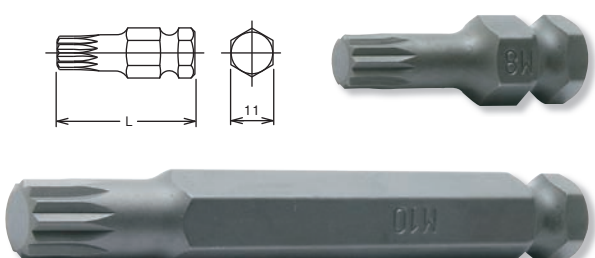
107-11 (T) TORX® Bits Puntas TORX®



107-11 (IP) TORX® PLUS Bits Puntas TORX® Plus



107-11 (XZN) XZN Bits Puntas XZN



TORX is a registered trademark of Acument Intellectual Properties, LLC.
TORX es una marca registrada de Acument Intellectual Properties, LLC.
TORX Plus is a registered trademark of Acument Intellectual Properties, LLC.
TORX Plus es una marca registrada de Acument Intellectual Properties, LLC.

Impact Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

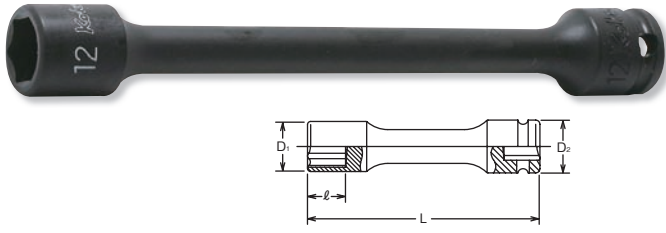
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

13145M-100 · -150 · -200 · -250

Extra Long Sockets
Vasos Extra-Largos



13145M.100 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
8	13.3	19	8	100	90	1	*1
10	15.8	19	10	100	92	1	*1
12	18.3	19	12	100	100	1	*1
13	19.5	19	13	100	108	1	*1
14	20.8	19	14	100	112	1	*1
17	24.5	19	17	100	140	1	*1

13145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	150	105	1	*1
8	13.3	19	8	150	110	1	*1
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1
13	19.5	19	13	150	137	1	*1
14	20.8	19	14	150	146	1	*1
15	22	19	15	150	155	1	*1
17	24.5	19	17	150	163	1	*1

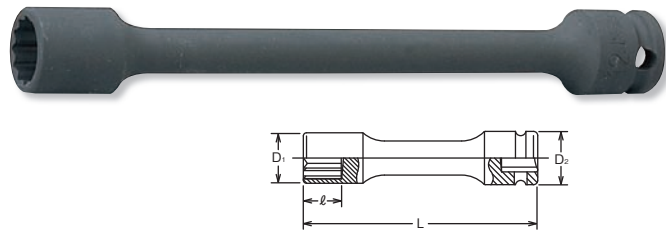
13145M.200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	200	136	1	*1
8	13.3	19	8	200	141	1	*1
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1
13	19.5	19	13	200	168	1	*1
14	20.8	19	14	200	177	1	*1
15	22	19	15	200	186	1	*1
17	24.5	19	17	200	194	1	*1

13145M.250 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	250	167	1	*1
8	13.3	19	8	250	172	1	*1
10	15.8	19	10	250	182	1	*1
12	18.3	19	12	250	190	1	*1
13	19.5	19	13	250	199	1	*1
14	20.8	19	14	250	208	1	*1
15	22	19	15	250	217	1	*1
17	24.5	19	17	250	225	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

13145M-100(12P) · -150 (12P) · -200 (12P)

Extra Long 12-point Sockets
Vasos Bihexagonales, Extra-Largos



13145M.100 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	100	91	1	*1
12	18.3	19	12	100	100	1	*1

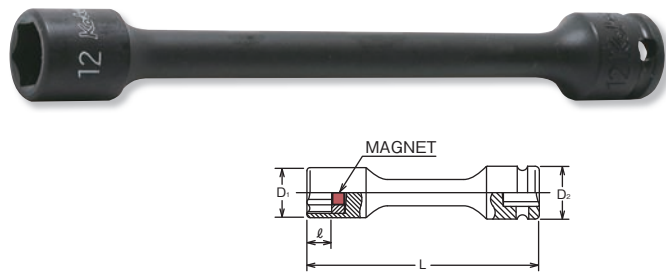
13145M.150 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1

13145M.200 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

13145MG-100 · -150 · -200

Extra Long Sockets with Magnet
Vasos Extra-Largos con Imán



13145MG.100 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
8	13.3	19	3.5	100	90	1	*1
10	15.8	19	4.2	100	93	1	*1
12	18.3	19	5.6	100	105	1	*1
13	19.5	19	6	100	115	1	*1
14	20.8	19	6.4	100	120	1	*1

13145MG.150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
8	13.3	19	3.5	150	120	1	*1
10	15.8	19	4.2	150	125	1	*1
12	18.3	19	5.6	150	136	1	*1
13	19.5	19	6	150	145	1	*1
14	20.8	19	6.4	150	150	1	*1

13145MG.200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	4.2	200	182	1	*1
12	18.3	19	5.6	200	190	1	*1
13	19.5	19	6	200	208	1	*1
14	20.8	19	6.4	200	225	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

13146M.150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⚡
8	12	19	6	150	128	1	*1
10	14.3	19	7	150	131	1	*1
12	18	19	8	150	133	1	*1
13	19.3	19	8.5	150	132	1	*1
14	20	19	9	150	132	1	*1

13146M.200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⚡
8	12	19	6	200	159	1	*1
10	14.3	19	7	200	162	1	*1
12	18	19	8	200	164	1	*1
13	19.3	19	8.5	200	163	1	*1
14	20	19	9	200	163	1	*1

13146M.250 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⚡
8	12	19	6	250	190	1	*1
10	14.3	19	7	250	193	1	*1
12	18	19	8	250	195	1	*1
13	19.3	19	8.5	250	194	1	*1
14	20	19	9	250	194	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

13147M.150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⚡
4	21	19	15	150	125	1	*1
5	21	19	15	150	128	1	*1
6	21	19	15	150	132	1	*1
8	21	19	15	150	136	1	*1
10	21	19	15	150	140	1	*1

13147M.200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⚡
4	21	19	15	200	156	1	*1
5	21	19	15	200	159	1	*1
6	21	19	15	200	163	1	*1
8	21	19	15	200	167	1	*1
10	21	19	15	200	171	1	*1

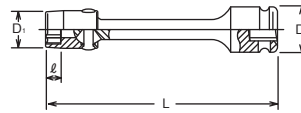
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

13760	D (mm)	L (mm)	(g)	(pcs.)	⚡
75	22	75	95	10	*1
100	22	100	120	10	*1
125	22	125	141	5	*1
150	22	150	165	5	*1
200	22	200	210	5	*1
250	22	250	260	5	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

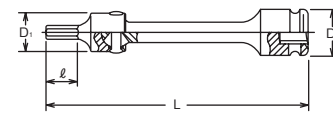
13146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos Extra Largo con Articulación Universal



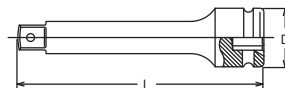
13147M-150 · -200

Extra Long Universal Inhex Sockets
Vasos Inhex Extra Largos con Articulación Universal



13760-75 · -100 · -125 · -150 · -200 · -250

Extension Bars
Alargaderas



Impact Sockets 3/8"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

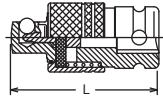
PROTECTOR
PROTECTORES

AUTOMOTIVE

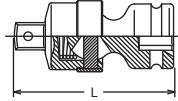
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUÉSTO

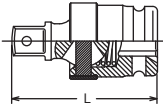
13333AL Adaptor (Quick Release) Adaptador (Extracción Rápida)



13770 Universal Joint Articulación Universal



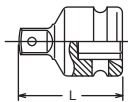
13771 Universal Joint Articulación Universal



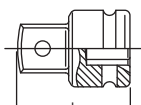
13772-P Universal Joint Articulación Universal



13322A Adaptor Adaptador



13344A Adaptor Adaptador



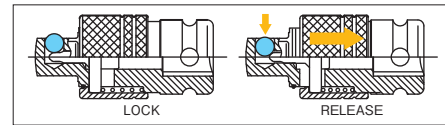
13241M Socket Set Juego de Vasos



13242M Socket Set Juego de Vasos

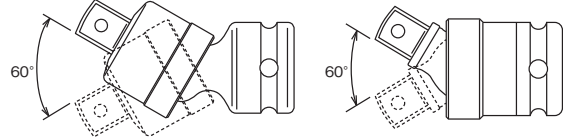


Lock & Quick Release



	L (mm)	(g)	(pcs.)	
13333AL	45	62	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239



	L (mm)	(g)	(pcs.)	
13770	56	110	10	*1
13770-B	56	110	10	*1
13770-P	56	110	10	*1
13771	48	92	10	*1
13771-B	48	92	10	*1
13771-P	48	92	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239



	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13772-P	22	19	75	120	5	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13322A	3/8"	1/4"	27	25	10	*1
13322A-B	3/8"	1/4"	27	25	10	*1
13322A-P	3/8"	1/4"	27	25	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13344A	3/8"	1/2"	32.5	53	10	*1
13344A-B	3/8"	1/2"	32.5	53	10	*1
13344A-P	3/8"	1/2"	32.5	53	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P238-239

13241M 11 Pieces Set/△=850g

METAL CASE:W240xH30xT35mm

Sockets

13400M 6-pt. Sockets
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

13242M 11 Pieces Set/△=1,140g

METAL CASE:W310xH90xT48mm

Sockets

13400M 6-pt. Sockets
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

14400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	85	10	*1
12	19.5	25	9	38	85	10	*1
13	20.7	25	10	38	85	10	*1
14	22	25	10	38	85	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	130	10	*2
17	25.7	30	12	38	130	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	135	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
33	45.7	30	19	46	260	5	*2
34	47	30	19	46	263	5	*2
35	48.2	30	19	46	275	5	*2
36	49.5	30	20	46	285	5	*2
41	55.7	30	21	55	411	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	84	10	*1
12	19.5	25	9	38	84	10	*1
13	20.7	25	10	38	84	10	*1
14	22	25	10	38	84	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	127	10	*2
17	25.7	30	12	38	128	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	132	10	*2
24	34.5	30	14	38	133	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	157	10	*2
28	39.5	30	16	40	170	10	*2
30	42	30	17	42	190	10	*2
32	44.5	30	18	42	216	10	*2
36	49.5	30	20	46	285	5	*2
New 41	55.7	30	21	55	411	5	*2

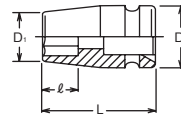
*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14401MS (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
New 14	20.5	24	10	29	50	10	*1
New 17	24.2	29	10	29	85	10	*2
New 19	26.7	29	10	29	85	10	*2
New 22	30.5	29	10	29	90	10	*2
New 24	33	29	10	29	90	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14400M • 14400A

6-point Sockets
Vasos Hexagonales

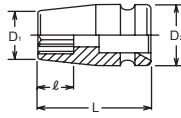


14400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14405M • 14405A

12-point Sockets
Vasos Bihexagonales

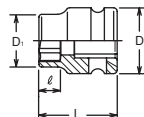


14405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14401MS

6-point Short Sockets, Thin-walled.
Vasos Hexagonales de Pared Delgada, Short



HAND
MANUALES
Z-SERIES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HEADS/REPUESTO

Impact Sockets **1/2"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

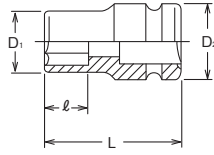
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUES

14401M • 14401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



14401A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	(V)
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

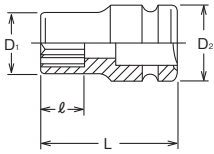
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14401M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	(V)
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14406M • 14406A

12-point Sockets, Thin Walled
Vasos Bihexagonales de Pared Delgada



14406A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	(V)
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14406M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	(V)
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14401M/10

Socket Set on Rail
Juego de Vasos en Regleta



RS14401M/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,010

14400MG (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	13.5	38	165	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B
 → P238-239

14401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6S	13	25	5.6	38	65	10	*1
8S	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
14S	25.5	30	10.4	38	121	10	*2
16S	29.2	30	11.6	38	128	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B
 → P238-239

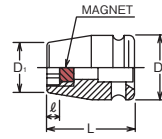
14410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	38	100	10	*1
11	18.2	25	8	38	103	10	*1
12	19.5	25	9	38	110	10	*1
13	20.7	25	10	38	113	10	*1
14	22	25	10	38	115	10	*1
15	23.2	30	11	38	120	10	*2
16	24.5	30	11	38	120	10	*2
17	25.7	30	12	38	126	10	*2
18	27	30	13	38	121	10	*2
19	28.2	30	13	38	124	10	*2
20	29.5	30	13	38	123	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
24	34.5	30	14	38	134	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
34	47	30	19	46	263	5	*2
36	49.5	30	20	46	263	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B
 → P238-239

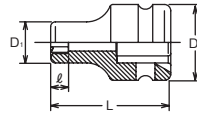
14465M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B
 → P238-239

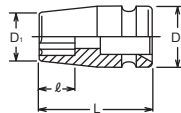
14400MG 6-point Sockets with Magnet Vasos Hexagonales con Imán



14401LH LHS Sockets Vasos LHS



14410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)

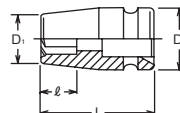


SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas.

14465M Pathfinder Sockets Vasos Pathfinder (Guía)



PATHFINDER®

The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Las caras biseladas de la boca hexagonal del vaso GUÍA acoplan el vaso inmediatamente.

Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automático, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.

Impact Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

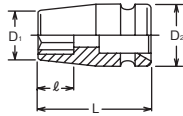
PROTECTOR
PROTECTORES


AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS/REPUSTO

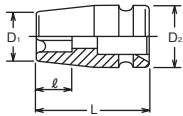
14415M Double Square Sockets Vasos Octagonales




14415M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
14	25.7	30	10	38	138	10	*1
15	27	30	11	38	145	10	*1
16	29.5	30	11	38	150	10	*1
17	30.7	30	12	38	155	10	*1
18	32	30	13	38	165	10	*1
19	33.2	30	14	38	170	10	*1
22	38.2	30	14	40	185	10	*1
24	42	30	14	42	215	10	*1
27	45.7	30	16	46	278	5	*1
28	47	30	16	46	285	5	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14425 TORX® Sockets Vasos TORX®

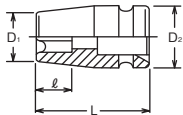



14425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	38	89	10	*1
E20	24.2	30	14.4	38	134	10	*2
E22	26.2	30	15.5	40	140	10	*2
E24	28.2	30	17	40	138	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14425-EPL TORX PLUS® Sockets Vasos TORX PLUS®

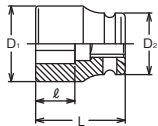



14425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10EPL	14.5	25	6.2	38	86	10	*1
12EPL	17	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	20.7	25	9.1	38	88	10	*1
18EPL	22	25	10.2	38	90	10	*1
20EPL	24.5	30	11.2	38	135	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14400-WN Weld Nut Sockets

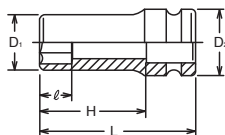



14400-WN	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8WN	18.3	25	8	38	93	10	*1
9WN	19.5	25	9	38	93	10	*1
10WN	20.8	25	10	38	92	10	*1
12WN	24.5	30	12	38	139	10	*2
14WN	27	30	14	38	136	10	*2
17WN	32	30	17	40	150	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14301X 6-point Sockets, Semi-Deep Vasos Hexagonales Medianos de pared Delgada



14301X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	42	60	72	10	*1
10	15.5	24	10	42	60	79	10	*1
11	16.7	24	11	42	60	82	10	*1
12	18	24	12	42	60	88	10	*1
13	19.2	24	13	42	60	92	10	*1
14	20.5	24	14	42	60	97	10	*1
15	21.7	29	15	42	60	125	10	*2
16	23	29	16	42	60	135	10	*2
17	24.2	29	17	42	60	142	10	*2
18	25.5	29	18	42	60	148	10	*2
19	26.7	29	19	41	60	151	10	*2
21	29.2	29	21	41	60	170	10	*2
22	30.5	29	22	45	65	187	10	*2
23	31.7	29	23	45	65	192	10	*2
24	33	29	24	45	65	202	10	*2
26	35.5	29	26	44	65	218	10	*2
27	36.7	29	27	44	65	231	10	*2
30	40.5	29	30	44	65	268	10	*2
32	43	29	32	44	65	296	10	*2
36	48	29	36	44	65	350	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14301X/10 Socket Set on Rail Juego de Vasos en Regleta



RS14301X/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,585

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
 TORX® es una marca registrada de Acument Intellectual Properties, LLC.
 TORXplus® is a registered trademark of Acument Intellectual Properties, LLC.
 TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

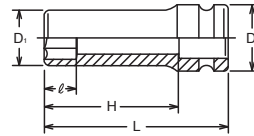
14300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
8	14.5	25	8	62	80	137	10	*1
9	15.7	25	9	62	80	138	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	240	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
25	35.7	30	25	65	85	345	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	28	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	457	10	*2
31	43.2	30	31	63	85	505	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
34	47	30	33	62	85	570	2	*2
35	48.2	30	35	62	85	600	2	*2
36	49.5	30	36	61	85	635	2	*2
41	55.7	30	38	60	85	686	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P238-239

14300M • 14300A

6-point Deep Sockets
Vasos Hexagonales Largos



14300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	259	10	*2
13/16	30.7	30	21	61	80	265	10	*2
7/8	32	30	22	65	85	290	10	*2
15/16	34.5	30	24	65	85	329	10	*2
1	35.7	30	25	65	85	345	10	*2
1. 1/16	38.2	30	27	64	85	385	10	*2
1. 1/8	40.7	30	29	63	85	416	10	*2
1. 3/16	42	30	30	63	85	457	10	*2
1. 1/4	44.5	30	32	63	85	542	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P238-239

14301M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
8	13	24	8	62	80	87	10	*1
9	14.2	24	9	62	80	92	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
20	28	29	20	61	80	203	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
23	31.7	29	23	65	85	253	10	*2
24	33	29	24	65	85	261	10	*2
25	34.2	29	25	65	85	282	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
28	38	29	29	64	85	273	10	*2
29	39.2	29	29	63	85	280	10	*2
30	40.5	29	30	63	85	360	10	*2
31	41.7	29	31	63	85	370	10	*2
32	43	29	32	63	85	380	10	*2
34	45.5	29	34	62	85	411	2	*2
35	46.7	29	35	62	85	450	2	*2
36	48	29	36	61	85	460	2	*2

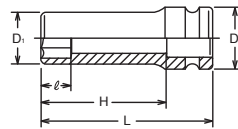
*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P238-239



14301M • 14301A

6-point Deep Sockets, Thin-walled
Vasos Hexagonales Largos de Pared Delgada



14301A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
3/8	15.5	24	10	62	80	98	10	*1
7/16	16.7	24	11	62	80	104	10	*1
1/2	19.2	24	13	62	80	120	10	*1
9/16	20.5	24	14	62	80	127	10	*1
5/8	23	29	16	62	80	173	10	*2
11/16	24.2	29	17	62	80	182	10	*2
3/4	26.7	29	19	61	80	197	10	*2
13/16	29.2	29	21	61	80	218	10	*2
7/8	30.5	29	22	65	85	244	10	*2
15/16	33	29	24	65	85	261	10	*2
1. 1/16	36.7	29	27	64	85	314	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P238-239

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

Impact Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

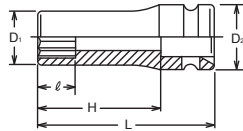
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

14305M 12-point Deep Sockets Vasos Bihexagonales Largos



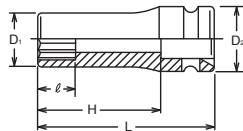
14305M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	259	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
24	34.5	30	24	65	85	329	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	30	64	85	390	10	*2
30	42	30	30	63	85	457	10	*2
32	44.5	30	32	63	85	542	10	*2
36	49.5	30	36	61	85	635	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P238-239

14306M 12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada



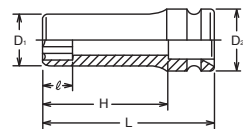
14306M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	24	10	62	80	98	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
24	33	29	24	65	85	261	10	*2
27	36.7	29	27	64	85	314	10	*2
30	40.5	29	30	63	85	360	10	*2
32	43	29	32	63	85	380	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P238-239

14310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

14310M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	252	10	*2
20	29.5	30	20	61	80	260	10	*2
21	30.7	30	21	61	80	260	10	*2
22	32	30	22	65	85	290	10	*2
24	34.5	30	24	65	85	322	10	*2
25	35.7	30	25	65	85	338	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	380	10	*2
30	42	30	30	63	85	450	10	*2
32	44.5	30	32	63	85	535	10	*2
34	47	30	34	62	85	563	2	*2
36	49.5	30	36	61	85	630	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B

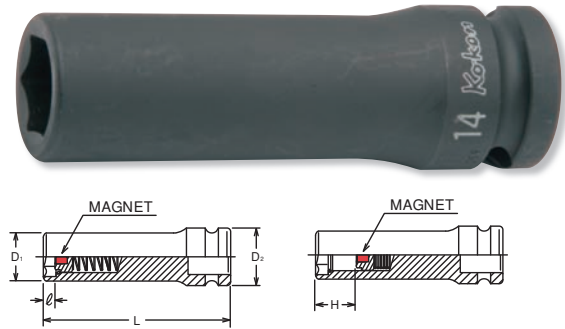
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P238-239

14300G (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
10	17	25	4.5	26	80	139	10	*1
12	19.5	25	6	26	80	165	10	*1
13	20.7	25	6.5	25	80	185	10	*1
14	22	25	7	24	80	189	10	*1
16	24.5	30	7.5	26.5	80	270	10	*2
17	25.7	30	8	26.5	80	272	10	*2
18	27	30	8.5	26.5	80	290	10	*2
19	28.2	30	9	27.5	80	308	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B

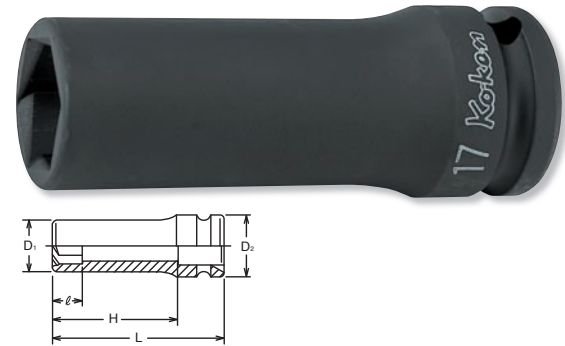
14300G Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo



14365M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
10	17	25	8	62	80	138	10	*1
11	18.2	25	8	62	80	144	10	*1
12	19.5	25	9	62	80	165	10	*1
13	20.7	25	9	62	80	170	10	*1
14	22	25	11	62	80	178	10	*1
15	23.2	30	11	62	80	237	10	*2
16	24.5	30	11	62	80	245	10	*2
17	25.7	30	12	62	80	263	10	*2
18	27	30	13	62	80	268	10	*2
19	28.2	30	13	61	80	270	10	*2
20	29.5	30	14	61	80	274	10	*2
21	30.7	30	14	61	80	287	10	*2
22	32	30	15	65	85	314	10	*2
23	33.2	30	15	65	85	320	10	*2
24	34.5	30	15	65	85	335	10	*2
26	37	30	15	64	85	388	10	*2
27	38.2	30	16	64	85	407	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B

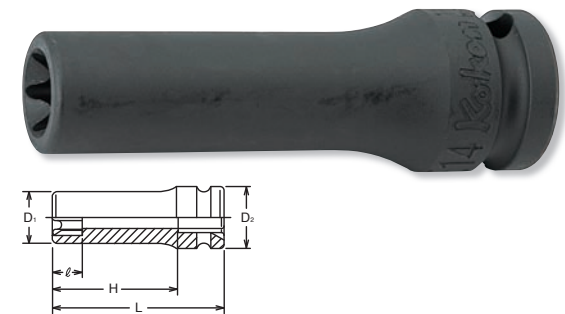
14365M Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos



14325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
E10	14.2	25	8.2	62	80	136	10	*1
E12	15.2	25	9.3	62	80	141	10	*1
E14	18.2	25	10.6	62	80	147	10	*1
E16	19.2	25	11.8	62	80	151	10	*1
E18	22.2	25	13	62	80	218	10	*1
E20	24.2	30	14.4	62	80	225	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B

14325 TORX® Deep Sockets Vasos TORX® Largos

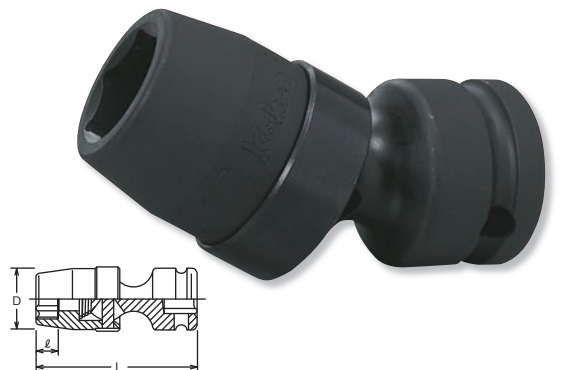


14440M (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
13	20.7	6	67.5	210	10	*1
14	22	7	69.5	210	10	*1
15	23.2	7	69.5	210	10	*1
16	24.5	8	69.5	206	10	*1
17	25.7	8	69.5	220	10	*1
18	27	9	69.5	218	10	*1
19	28.2	10	73.5	260	10	*1
20	29.5	10	73.5	270	10	*1
21	30.7	11	73.5	280	10	*1
22	32	13	73.5	290	10	*1
24	34.5	14	73.5	300	10	*1

14440A (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
1/2	20.7	6	67.5	210	10	*1
9/16	22	7	69.5	210	10	*1
5/8	24.5	8	69.5	206	10	*1
11/16	25.7	8	69.5	220	10	*1
3/4	28.2	10	73.5	260	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14440M • 14440A Universal Sockets Vasos con Articulación Universal



Impact Sockets 1/2"

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

14012M-60 Inhex Sockets Vasos Inhex



14012M.60 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	25	15.5	38	60	68	10	*1
5	25	15.5	38	60	71	10	*1
6	25	15.5	38	60	74	10	*1
7	25	15.5	38	60	80	10	*1
8	25	15.5	38	60	84	10	*1
10	30	15.5	38	60	140	10	*2
12	30	15.5	38	60	150	10	*2
14	30	15.5	38	60	170	10	*2
17	30	15.5	38	60	190	10	*2
19	30	15.5	38	60	210	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14012M/10-L60 Socket Set on Rail Juego de Vasos en Regleta



RS14012M/10-L60	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,300

14025-60 · -100 TORX® Bit Sockets Vasos con Punta TORX®



14025.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New T30	25	73.5	100	85	10	*1
New T40	25	73.5	100	95	10	*1
New T45	25	73.5	100	102	10	*1
New T50	25	73.5	100	120	10	*1
New T55	25	73.5	100	155	10	*1
New T60	30	73.5	100	220	10	*2

14025.60 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	25	23.5	60	75	10	*1
T25	25	23.5	60	75	10	*1
T27	25	23.5	60	75	10	*1
T30	25	23.5	60	80	10	*1
T40	25	23.5	60	85	10	*1
T45	25	23.5	60	85	10	*1
T50	25	23.5	60	95	10	*1
T55	25	23.5	60	110	10	*1
T60	30	23.5	60	160	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14025/6-L60 Socket Set on Rail Juego de Vasos en Regleta



RS14025/6-L60	6 Pieces Set/Rail 200mm	(g)
T30, T40, T45, T50, T55, T60		650

14105 Bit Holder Porta Punta




14105L Bit Holder Porta Punta



	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
14105	22	30	13	38	126	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

 Replacement Screw : M5x6, 2.5mm

	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
14105L	22	30	13	43	160	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

107.11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107.11(L80) (mm)	L (mm)	(g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

107.11 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10

107.11(L80) (T)	L (mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45	80	56	10
T50	80	57	10
T55	80	66	10
T60	80	76	10

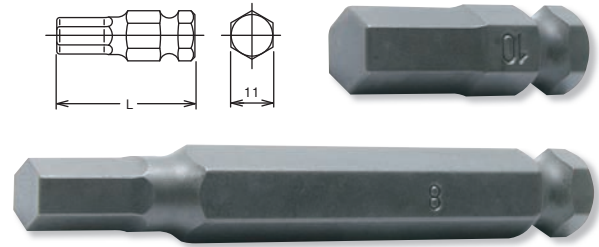
107.11 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	40	10

107.11(L80) (IP)	L (mm)	(g)	(pcs.)
30IP	80	54	10
40IP	80	54	10
45IP	80	56	10
50IP	80	57	10
55IP	80	65	10
60IP	80	75	10

107.11 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10

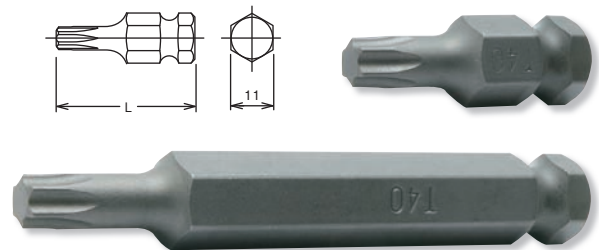
107.11(L80) (XZN)	L (mm)	(g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

107-11 Bits for Inhex Screws Puntas para Tornillos Inhex

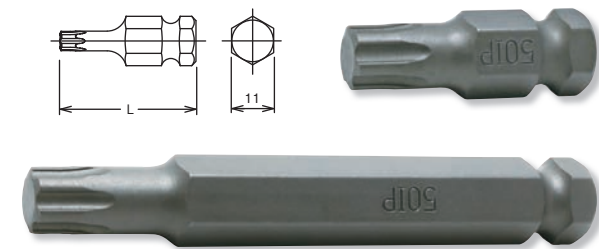


107.11 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10

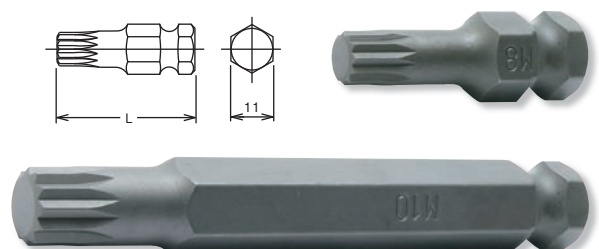
107-11 (T) TORX® Bits Puntas TORX®



107-11 (IP) TORX® PLUS Bits Puntas TORX® Plus



107-11 (XZN) XZN Bits Puntas XZN



TORX is a registered trademark of Acument Intellectual Properties, LLC.
TORX es una marca registrada de Acument Intellectual Properties, LLC.
TORX Plus is a registered trademark of Acument Intellectual Properties, LLC.
TORX Plus es una marca registrada de Acument Intellectual Properties, LLC.

Impact Sockets **1/2"**

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

14105-11 Hex Bit Sockets Vasos con Punta Hexagonal



14105.11 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3	30	22	60	141	10	*1
4	30	22	60	142	10	*1
5	30	22	60	142	10	*1
6	30	22	60	144	10	*1
7	30	22	60	145	10	*1
8	30	22	60	146	10	*1
10	30	22	60	152	10	*1
11	30	22	60	154	10	*1
12	30	22	60	157	10	*1
14	30	22	60	164	10	*1
16	30	22	60	173	10	*1
17	30	22	60	176	10	*1
18	30	22	60	179	10	*1
19	30	22	60	182	10	*1

14105.11 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	30	22	60	144	10	*1
5/16	30	22	60	146	10	*1
3/8	30	22	60	152	10	*1
1/2	30	22	60	164	10	*1
3/4	30	22	60	182	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14105-11 (T) TORX® Bit Sockets Vasos con Punta TORX®



14105.11 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T25	30	22	60	144	10	*1
T30	30	22	60	144	10	*1
T40	30	22	60	146	10	*1
T45	30	22	60	152	10	*1
T50	30	22	60	157	10	*1
T55	30	22	60	160	10	*1
T60	30	22	60	164	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

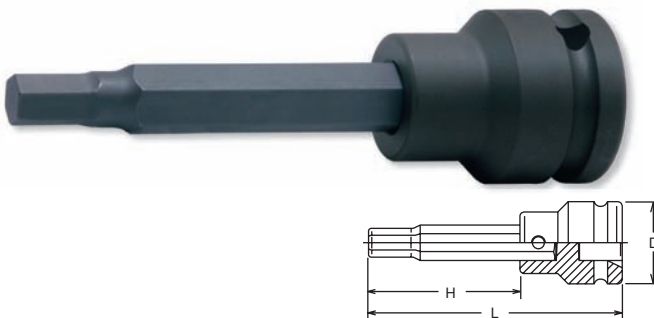
14105-11 (XZN) XZN Bit Sockets Vasos con Punta XZN



14105.11 (XZN)	DL (mm)	H (mm)	L (mm)	(g)	(pcs.)	
M 4	30	22	60	144	10	*1
M 5	30	22	60	146	10	*1
M 6	30	22	60	152	10	*1
M 8	30	22	60	157	10	*1
M10	30	22	60	160	10	*1
M12	30	22	60	164	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

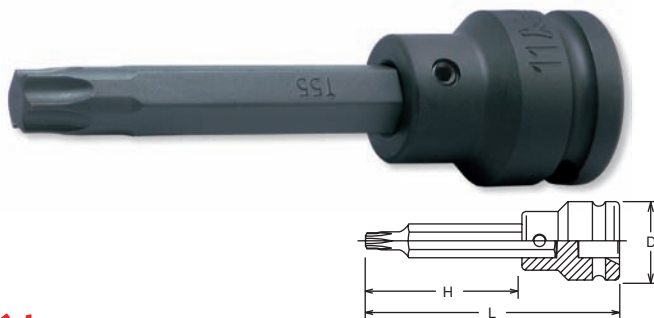
14105-L105 Hex Bit Sockets Vasos con Punta Hexagonal



14105(L105) (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	30	67	105	180	10	*1
5	30	67	105	180	10	*1
6	30	67	105	185	10	*1
7	30	67	105	185	10	*1
8	30	67	105	185	10	*1
10	30	67	105	190	10	*1
11	30	67	105	190	10	*1
12	30	67	105	200	10	*1
14	30	67	105	230	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14105-L105 (T) TORX® Bit Sockets Vasos con Punta TORX®




14105(L105) (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T30	30	67	105	180	10	*1
T40	30	67	105	180	10	*1
T45	30	67	105	185	10	*1
T50	30	67	105	185	10	*1
T55	30	67	105	195	10	*1
T60	30	67	105	205	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14106	28	30	43	160	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

 Replacement Screw : M6x8, ●3mm



107.16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

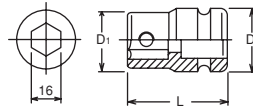
107.16 (inch)	L (mm)	(g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

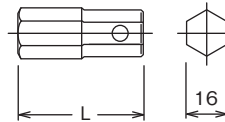
107.16 (IP)	L (mm)	(g)	(pcs.)
New 55IP	50	57	10
New 60IP	50	64	10
New 70IP	50	73	10

107.16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

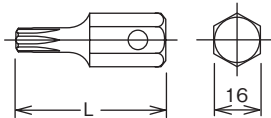
14106 Bit Holder for 107-16 Porta Punta



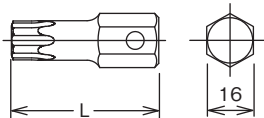
107-16 Bits for Inhex screws Puntas para Tornillos Inhex



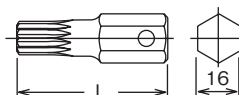
107-16 (T) TORX® Bits Puntas TORX®



107-16 (IP) TORX® PLUS Bits Puntas TORX® Plus



107-16 (XZN) XZN Bits Puntas XZN



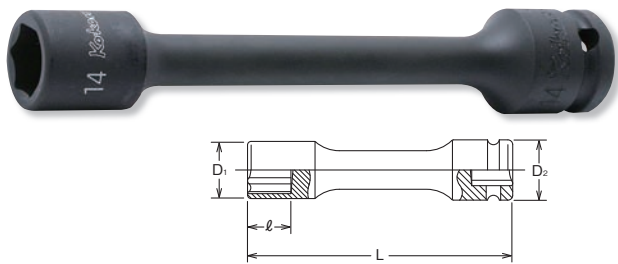
TORX is a registered trademark of Acument Intellectual Properties, LLC.
TORX es una marca registrada de Acument Intellectual Properties, LLC.
TORX Plus is a registered trademark of Acument Intellectual Properties, LLC.
TORX Plus es una marca registrada de Acument Intellectual Properties, LLC.

Impact Sockets 1/2"

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

14145M-100 · -150 · 200 · -250

Extra Long 12-point Sockets
Vasos Bihexagonales, Extra-Largos



14145M.200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25	19	200	311	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

14145M.100 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
New 10	17	25	10	100	155	1	*1
New 12	19.5	25	12	100	165	1	*1
New 14	22	25	14	100	180	1	*1
New 17	25.7	25	17	100	210	1	*1
New 19	28.2	25	19	100	230	1	*1

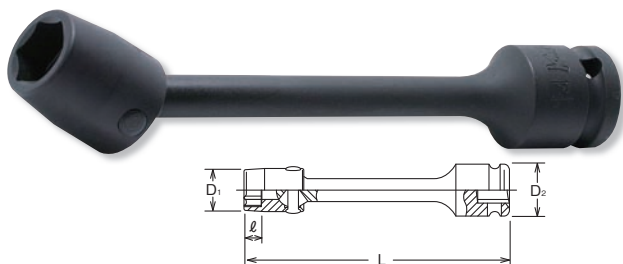
14145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

14145M.250 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	250	278	1	*1
12	19.5	25	12	250	292	1	*1
13	20.7	25	13	250	304	1	*1
14	22	25	14	250	316	1	*1
15	23.2	25	15	250	328	1	*1
16	24.5	25	16	250	335	1	*1
17	25.7	25	17	250	341	1	*1
18	27	25	18	250	350	1	*1
19	28.2	25	19	250	355	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

14146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos con Articulación Universal Extra-Largos



14146M.200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	200	254	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

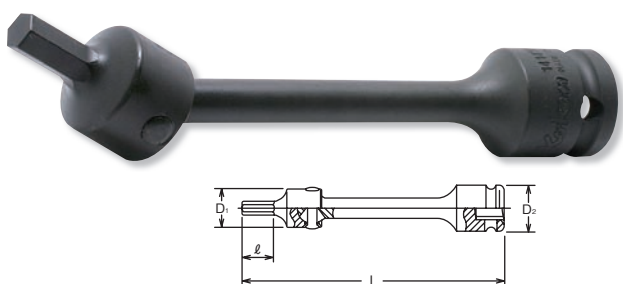
14146M.150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	150	197	1	*1
12	19.3	25	7.5	150	200	1	*1
13	20	25	8	150	201	1	*1
14	21	25	8.5	150	203	1	*1
15	22	25	9	150	201	1	*1
16	23	25	9.5	150	200	1	*1
17	25	25	9.5	150	200	1	*1
18	26	25	11	150	210	1	*1
19	28	25	11.5	150	210	1	*1

14146M.250 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

14147M-150 · -200

Extra Long Universal Inhex Sockets
Vasos Inhex con Articulación Universal Extra-Largos



14147M.150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

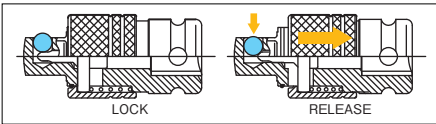
14147M.200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	200	244	1	*1
8	25	25	15	200	249	1	*1
10	25	25	15	200	254	1	*1
12	25	25	15	200	261	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

14760	D (mm)	L (mm)	(g)	(pcs.)	
50	30	50	150	10	*1
75	30	75	188	10	*1
100	30	100	240	10	*1
125	30	125	275	5	*1
150	30	150	300	5	*1
175	30	175	358	5	*1
200	30	200	405	5	*1
250	30	250	480	1	*1

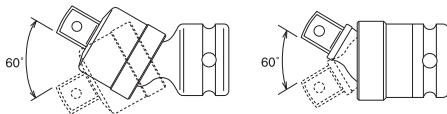
*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

Lock & Quick Release



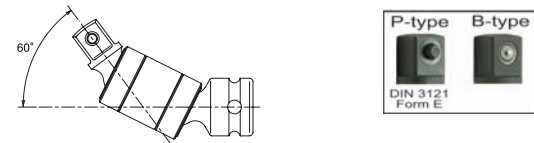
14444AL	L (mm)	(g)	(pcs.)	
14444AL	60	128	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239



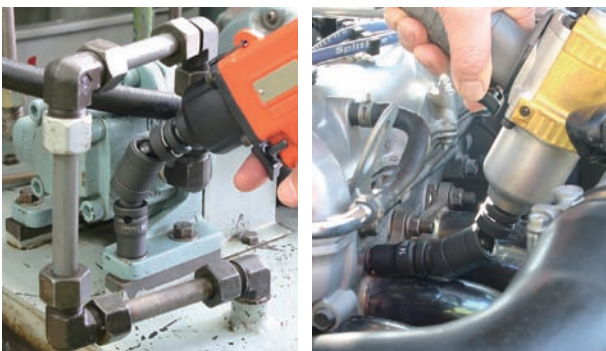
	L (mm)	(g)	(pcs.)	
14770	74	210	5	*1
14770-B	74	210	5	*1
14770-P	74	210	5	*1
14771	65	198	5	*1
14771-B	65	198	5	*1
14771-P	65	198	5	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239



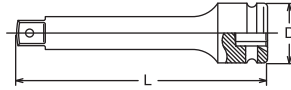
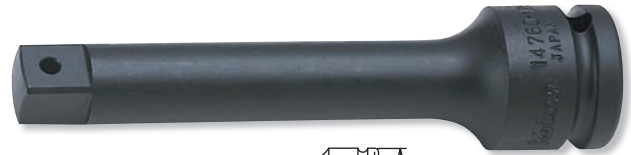
14772-P	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14772-P	27	25	90	230	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239



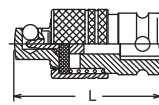
14760-50 · -75 · -100 · -125 · -150 · -175 · -200 · -250

Extension Bars
Alargaderas



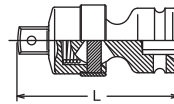
14444AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)



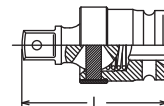
14770

Universal Joint
Articulación Universal



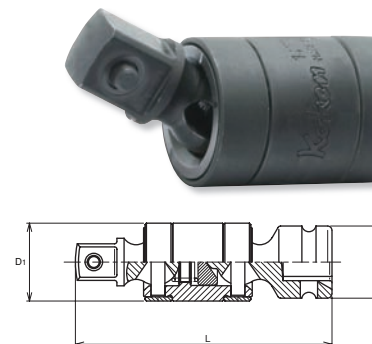
14771

Universal Joint
Articulación Universal



14772-P

Universal Double Joint
Articulación Universal



Impact Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

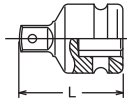
PROTECTOR
PROTECTORES

AUTOMOTIVE

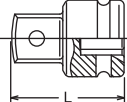
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

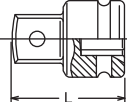
14433A Adaptor Adaptador



14455A Adaptor Adaptador



14466A Adaptor Adaptador



14203M Set Juego



14204M Set Juego








14204T Set Juego




14204X Set Juego




	 (sq.)	 (sq.)	L (mm)	 (g)	 (pcs.)	
14433A	1/2"	3/8"	37.5	68	10	*1
14433A-B	1/3"	3/9"	37.5	68	10	*1
14433A-P	1/4"	3/10"	37.5	68	10	*1






*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

 Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.













	 (sq.)	 (sq.)	L (mm)	 (g)	 (pcs.)	
14455A	1/2"	5/8"	42	135	10	*1






*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239






	 (sq.)	 (sq.)	L (mm)	 (g)	 (pcs.)	
14466A	1/2"	3/4"	44	146	10	*1
14466A-B	1/2"	3/4"	44	146	10	*1


*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239


14203M		10 Pieces Set/  =900g
METAL CASE: W190xH59xT45mm		
Bits		Bit Holder
 107.11 Hex Bits 5, 6, 8, 10	 14105 Bit Holder	
 107.16 Hex Bits 12, 14, 17, 19	 14106 Bit Holder	


14204M		18 Pieces Set/  =1,370g
METAL CASE: W310xH90xT48mm		
Bits		Bit Holder
 107.11 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	 14105 Bit Holder	
 107.11(L80) Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	 168H-2.5(40) Screwdriver	


14204T		14 Pieces Set/  =1,180g
METAL CASE: W310xH90xT48mm		
Bits		Bit Holder
 107.11(T) TORX® Bits T30, T40, T45, T50, T55, T60	 14105 Bit Holder	
 107.11(T)(L80) TORX® Bits T30, T40, T45, T50, T55, T60	 168H-2.5(40) Screwdriver	


14204X		14 Pieces Set/  =1,180g
METAL CASE: W310xH90xT48mm		
Bits		Bit Holder
 107.11(XZN) XZN Bits M4, M5, M6, M8, M10, M12	 14105 Bit Holder	
 107.11(L80) XZN Bits M4, M5, M6, M8, M10, M12	 168H-2.5(40) Screwdriver	






14207M	10 Pieces Set/△=2,700g
METAL CASE:W310xH90xT48mm	
Sockets	
 14300M 6-pt Deep Sockets	10, 12, 13, 14, 17, 19, 21, 22, 24, 27






14208M	13 Pieces Set/△=3,500g
METAL CASE:W395xH90xT50mm	
Sockets	
 14300M 6-pt Deep Sockets	10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27


14241M	13 Pieces Set/△=2,000g
METAL CASE:W196xH100xT45mm	
Sockets	
 14400M 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

14241M-05	13 Pieces Set/△=2,000g
METAL CASE:W196xH100xT45mm	
Sockets	
 14405M 12-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

14242M	12 Pieces Set/△=1,890g
METAL CASE:W310xH90xT48mm	
Sockets	
 14400M 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27

14245M-00	18 Pieces Set/△=2,250g
METAL CASE:W310xH90xT45mm	
Sockets	Accessories
 14400M 6-pt.Sockets	 14760-125
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	 14770
	 1401A, 1402A
	 1401B, 1402B

14245M-05	18 Pieces Set/△=2,250g
METAL CASE:W310xH90xT48mm	
Sockets	Accessories
 14405M 12-pt. Sockets	 14760-125
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	 14770
	 1401A, 1402A
	 1401B, 1402B

S14240M	14400M 98 Pieces Set/△=13,690g	
DISPLAY STAND:W510xH150xT230mm		
 10mm:8pcs	15mm:7pcs	22mm:6pcs
11mm:8pcs	16mm:7pcs	23mm:6pcs
12mm:8pcs	17mm:7pcs	24mm:6pcs
13mm:8pcs	19mm:7pcs	27mm:5pcs
14mm:8pcs	21mm:7pcs	

14207M Socket Set Juego de Vasos



14208M Socket Set Juego de Vasos



14241M Socket Set Juego de Vasos

14241M-05



14242M Socket Set Juego de Vasos



14245M-00 Socket Set Juego de Vasos

14245M-05



S14240M Display Stand Expositor



Impact Sockets **5/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

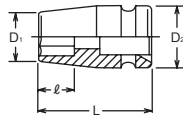
PROTECTOR
PROTECTORES




AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

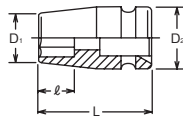
15400M 6-point Sockets Vasos Hexagonales






15400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

*1 Pin/O-Ring=1500A/B → P239

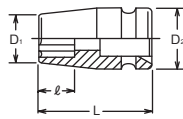
15400A 6-point Sockets Vasos Hexagonales






15400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)	
9/16	24	35	10	47.5	220	5	*1
5/8	26.5	35	11	47.5	225	5	*1
11/16	27.8	35	12	47.5	225	5	*1
3/4	30.3	35	13	47.5	225	5	*1
13/16	32.8	35	15	47.5	225	5	*1
7/8	34	35	15	47.5	225	5	*1
15/16	36.5	35	16	50.5	245	5	*1

*1 Pin/O-Ring=1500A/B → P239

15410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



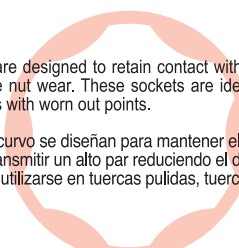
15410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

*1 Pin/O-Ring=1500A/B → P239

SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas



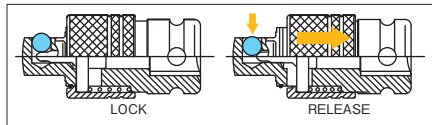
15300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=1500A/B → P239

15310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=1500A/B → P239

Lock & Quick Release



	L (mm)	(g)	(pce.)	⚡
15555AL	70	310	1	*1

*1 Pin/O-Ring=1500A/B → P239

	L (mm)	(g)	(pce.)	⚡
15770	88	420	1	*1

*1 Pin/O-Ring=1500A/B → P239

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
15544A	5/8"	1/2"	46	165	1	*1
15544A-P	5/8"	1/2"	46	165	1	*1

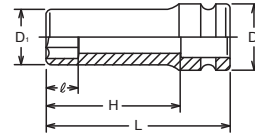
*1 Pin/O-Ring=1500A/B → P239

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

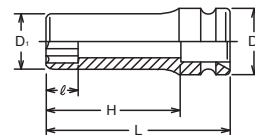
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
15566A	5/8"	3/4"	48	200	1	*1

*1 Pin/O-Ring=1500A/B → P239

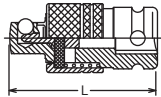
15300M 6-point Deep Sockets Vasos Hexagonales Largos



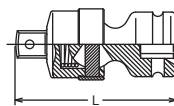
15310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



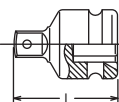
15555AL Adaptor (Quick Release) Adaptador (Extracción Rápida)



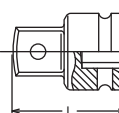
15770 Universal Joint Articulación Universal



15544A Adaptor Adaptador



15566A Adaptor Adaptador



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REUESTO

Impact Sockets **3/4"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

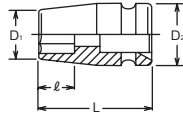
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS/REPUSTO

16400M • 16400A

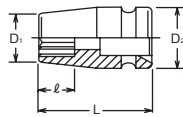
6-point Sockets
Vasos Hexagonales



16400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 9/16	58.8	44	20	57	598	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1.13/16	66.3	44	23	62	755	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
1.15/16	70	54	23	62	912	2	*2
2	72.5	54	30	62	969	2	*2
2. 1/16	73.8	54	29	62	1011	2	*2
2. 1/8	76.3	54	29	62	1035	2	*2
2. 3/16	77.5	54	29	62	1056	2	*2
2. 1/4	80	54	32	65	1126	2	*2
2. 5/16	81.3	54	31	65	1163	2	*2
2. 3/8	83.8	54	31	65	1215	2	*2

16405M • 16405A

12-point Sockets
Vasos Bihexagonales



16405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
2	72.5	54	30	62	969	2	*2

16400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
31	47.5	44	18	53	426	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
35	52.5	44	20	55	494	5	*1
36	53.8	44	20	55	498	5	*1
37	55	44	20	55	526	2	*1
38	56.3	44	20	57	558	2	*1
39	57.5	44	20	57	579	2	*1
40	58.8	44	20	57	598	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
43	62.5	44	23	62	720	2	*1
44	63.8	44	23	62	761	2	*1
45	65	44	23	62	757	2	*1
46	66.3	44	23	62	755	2	*1
47	67.5	54	23	62	805	2	*2
48	68.8	54	23	62	940	2	*2
49	70	54	23	62	912	2	*2
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
54	76.3	54	29	62	1035	2	*2
55	77.5	54	29	62	1056	2	*2
56	78.8	54	29	62	1091	2	*2
57	80	54	32	65	1126	2	*2
58	81.3	54	31	65	1163	2	*2
59	82.5	54	31	65	1185	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2
70	96.3	54	34	70	1570	1	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B → P238-239

16405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
36	53.8	44	20	55	498	5	*1
38	56.3	44	20	57	558	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
46	66.3	44	23	62	755	2	*1
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
55	77.5	54	29	62	1056	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2

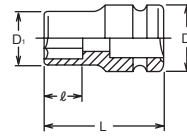
*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B → P238-239

3/4" Impact Sockets



16401M • 16401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



16401M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	⚡
17	28	43	12	50	300	5	*1
18	29.3	43	13	50	300	5	*1
19	30.5	43	13	50	300	5	*1
20	31.8	43	14	50	302	5	*1
21	33	43	15	50	305	5	*1
22	34.3	43	15	50	310	5	*1
23	35.5	43	16	50	315	5	*1
24	36.8	43	16	50	325	5	*1
25	38	43	16	50	326	5	*1
26	39.3	43	16	50	330	5	*1
27	40.5	43	16	50	340	5	*1
28	41.8	43	16	50	345	5	*1
29	43	43	18	53	355	5	*1
30	44.3	43	18	53	365	5	*1
31	45.5	43	18	53	375	5	*1
32	46.8	43	19	53	385	5	*1
33	48	43	20	55	395	5	*1
34	49.3	43	20	55	420	5	*1
35	50.5	43	20	55	430	5	*1
36	51.8	43	20	55	440	5	*1
37	53	43	20	55	460	2	*1
38	54.3	43	20	57	472	2	*1
40	56.8	43	20	57	525	2	*1
41	58	43	22	57	555	2	*1
42	59.3	43	22	57	565	2	*1
44	61.8	43	23	62	670	2	*1
46	64.3	43	23	62	710	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16401A (inch)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	⚡
11/16	28	43	12	50	300	5	*1
3/4	30.5	43	13	50	300	5	*1
13/16	33	43	15	50	305	5	*1
7/8	34.3	43	15	50	310	5	*1
15/16	36.8	43	16	50	325	5	*1
1	38	43	16	50	326	5	*1
1. 1/16	40.5	43	16	50	340	5	*1
1. 1/8	43	43	18	53	355	5	*1
1. 3/16	44.3	43	18	53	365	5	*1
1. 1/4	46.8	43	19	53	385	5	*1
1. 5/16	49.3	30	20	55	437	5	*1
1. 3/8	50.5	43	20	55	430	5	*1
1. 7/16	53	43	20	55	460	2	*1
1. 1/2	54.3	43	20	57	472	2	*1
1. 9/16	56.8	43	20	57	525	2	*1
1. 5/8	58	43	22	57	555	2	*1
1.13/16	64.3	43	23	62	710	2	*1

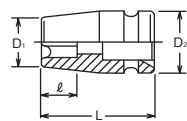
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16425 (E)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	⚡
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1

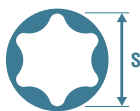
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16425

TORX® Sockets
Vasos TORX®



TORX® (E)



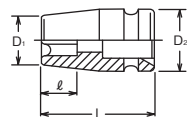
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

16425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	⚡
24EPL	32.5	44	12.2	55	427	5	*1
32EPL	40	44	16.1	62	488	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16425-EPL

TORX PLUS® Sockets
Vasos TORX PLUS®



TORX is a registered trademark of Acument Intellectual Properties, LLC.
TORX es una marca registrada de Acument Intellectual Properties, LLC.
TORX PLUS is a registered trademark of Acument Intellectual Properties, LLC.
TORX PLUS es una marca registrada de Acument Intellectual Properties, LLC.

Impact Sockets **3/4"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

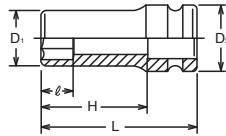
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

16301X

6-point Semi-Deep Sockets, Thin Walled
Vasos Hexagonales Medianos de Pared Delgada

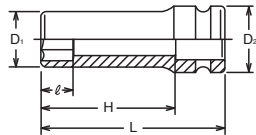


16301X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	28	43	17	49	75	370	2	*1
18	29.3	43	18	49	75	380	2	*1
19	30.5	43	19	49	75	393	2	*1
20	31.8	43	20	49	75	400	2	*1
21	33	43	21	49	75	408	2	*1
22	34.3	43	22	49	75	418	2	*1
23	35.5	43	23	49	75	425	2	*1
24	36.8	43	24	49	75	435	2	*1
25	38	43	25	49	75	449	2	*1
26	39.3	43	26	49	75	455	2	*1
27	40.5	43	27	48	75	464	2	*1
28	41.8	43	28	48	75	479	2	*1
29	43	43	29	48	75	489	2	*1
30	44.3	43	30	48	75	506	2	*1
31	45.5	43	31	47	75	518	2	*1
32	46.8	43	32	47	75	535	2	*1
33	48	43	33	47	75	548	2	*1
35	50.5	43	35	46	75	585	2	*1
36	51.8	43	36	46	75	603	2	*1
37	53	43	37	46	75	645	2	*1
38	54.3	43	38	50	80	691	2	*1
40	56.8	43	38	50	80	725	2	*1
41	58	43	38	49	80	755	2	*1
46	64.3	43	38	48	80	808	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16300M • 16300A

6-point Sockets, Deep
Vasos Hexagonales Largos



16300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
20	33.8	44	20	74	100	680	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	705	2	*1
25	40	44	25	74	100	715	2	*1
26	41.3	44	26	74	100	710	2	*1
27	42.5	44	27	73	100	710	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
31	47.5	44	31	72	100	815	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
37	55	44	37	71	100	970	2	*1
38	56.3	44	38	70	100	990	2	*1
40	58.8	44	38	70	100	1060	2	*1
41	60	44	38	69	100	1120	2	*1
42	61.3	44	38	69	100	1153	2	*1
43	62.5	44	38	69	100	1200	2	*1
46	66.3	44	38	68	100	1305	2	*1
50	71.3	54	61	-	100	1469	2	*2
55	77.5	54	59	-	100	1620	2	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239
*2 C-Ring=1801C, Pin/O-Ring=1602A/B

16300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/4	32.5	44	19	74	100	655	2	*1
13/16	35	44	21	74	100	700	2	*1
7/8	36.3	44	22	74	100	700	2	*1
15/16	38.8	44	24	74	100	705	2	*1
1	40	44	25	74	100	715	2	*1
1. 1/16	42.5	44	27	73	100	765	2	*1
1. 1/8	45	44	29	73	100	835	2	*1
1. 3/16	46.3	44	30	73	100	840	2	*1
1. 1/4	48.8	44	32	72	100	875	2	*1
1. 5/16	51.3	44	34	72	100	950	2	*1
1. 3/8	52.5	44	35	71	100	980	2	*1
1. 7/16	55	44	37	71	100	970	2	*1
1. 1/2	56.3	44	38	70	100	990	2	*1
1. 9/16	58.8	44	38	70	100	1060	2	*1
1. 5/8	60	44	38	69	100	1120	2	*1
1.11/16	62.5	44	38	69	100	1200	2	*1
1. 3/4	65	44	38	68	100	1284	2	*1
1.13/16	66.3	44	38	68	100	1305	2	*1
1. 7/8	68.8	54	38	67	100	1561	2	*2
2	72.5	54	60	-	100	1516	2	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239
*2 C-Ring=1801C, Pin/O-Ring=1602A/B

3/4" Impact Sockets

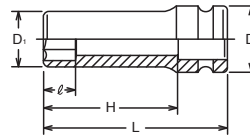


16301M • 16301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada

16301M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
17	28	43	17	74	100	470	2	*1
18	29.3	43	18	74	100	475	2	*1
19	30.5	43	19	74	100	480	2	*1
20	31.8	43	20	74	100	491	2	*1
21	33	43	21	74	100	505	2	*1
22	34.3	43	22	74	100	528	2	*1
23	35.5	43	23	74	100	542	2	*1
24	36.8	43	24	74	100	560	2	*1
25	38	43	25	74	100	581	2	*1
26	39.3	43	26	74	100	600	2	*1
27	40.5	43	27	73	100	610	2	*1
28	41.8	43	28	73	100	639	2	*1
29	43	43	29	73	100	650	2	*1
30	44.3	43	30	73	100	670	2	*1
31	45.5	43	31	72	100	690	2	*1
32	46.8	43	32	72	100	715	2	*1
33	48	43	33	72	100	730	2	*1
34	49.3	43	34	72	100	750	2	*1
35	50.5	43	35	71	100	785	2	*1
36	51.8	43	36	71	100	830	2	*1
37	53	43	37	71	100	850	2	*1
38	54.3	43	38	70	100	885	2	*1
40	56.8	43	38	70	100	925	2	*1
41	58	43	38	69	100	970	2	*1
42	59.3	43	38	69	100	990	2	*1
46	64.3	43	38	68	100	1150	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239



16301A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
11/16	28	43	17	74	100	470	2	*1
3/4	30.5	43	19	74	100	480	2	*1
13/16	33	43	21	74	100	505	2	*1
7/8	34.3	43	22	74	100	528	2	*1
15/16	36.8	43	24	74	100	560	2	*1
1	38	43	25	74	100	581	2	*1
1. 1/16	40.5	43	27	73	100	610	2	*1
1. 1/8	43	43	29	73	100	650	2	*1
1. 3/16	44.3	43	30	73	100	670	2	*1
1. 1/4	46.8	43	32	72	100	715	2	*1
1. 3/8	50.5	43	35	71	100	785	2	*1
1. 7/16	53	43	37	71	100	850	2	*1
1. 1/2	54.3	43	38	70	100	885	2	*1
1. 9/16	56.8	43	38	70	100	925	2	*1
1. 5/8	58	43	38	69	100	970	2	*1
1.13/16	64.3	43	38	68	100	1150	2	*1

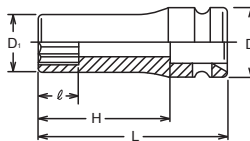
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
New 14	26.3	44	14	74	100	500	2	*1
17	30	44	17	74	100	544	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	715	2	*1
26	41.3	44	26	74	100	760	2	*1
27	42.5	44	27	73	100	765	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
38	56.3	44	38	70	100	990	2	*1
41	60	44	38	69	100	1120	2	*1
46	66.3	44	38	68	100	1305	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16305M

12-point Sockets, Deep
Vasos Bihexagonales Largos

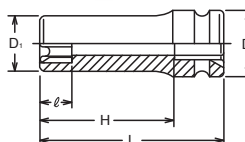


16325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
E18	26.3	44	13	74	100	520	2	*1
E20	28.8	44	14.4	74	100	560	2	*1
E22	31.3	44	15.5	74	100	600	2	*1
E24	32.5	44	17	74	100	630	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16325

TORX® Deep Sockets
Vasos TORX® Largos



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPUESTOS

Impact Sockets **3/4"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

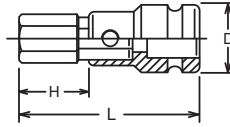
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

16106-16 Hex Bit Sockets Vasos con Punta Hexagonal

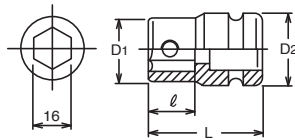


16106.16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	44	24	76	416	2	*1
12	44	24	76	422	2	*1
13	44	24	76	426	2	*1
14	44	24	76	430	2	*1
16	44	24	76	439	2	*1
17	44	24	76	443	2	*1
18	44	24	76	448	2	*1
19	44	24	76	450	2	*1
22	44	24	76	473	2	*1

16106.16 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	44	24	76	426	2	*1
9/16	44	24	76	430	2	*1
5/8	44	24	76	439	2	*1
3/4	44	24	76	450	2	*1


*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16106 Bit Holder. For 107-16 Porta Punta

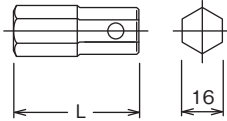


	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	
16106	32	44	16	52	370	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

 Replacement Screw : M6x10, ● 3mm

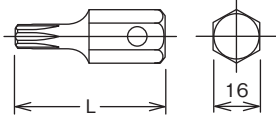
107-16 Bits for Inhex Screws Puntas para Tormillos Inhex



107.16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

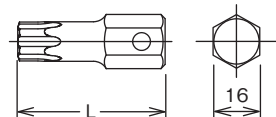
107.16 (inch)	L (mm)	(g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107-16 (T) TORX® Bits Puntas TORX®



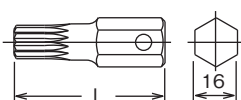
107.16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16 (IP) TORX® PLUS Bits Puntas TORX® Plus



107.16 (IP)	L (mm)	(g)	(pcs.)
New 55IP	50	57	10
New 60IP	50	64	10
New 70IP	50	73	10

107-16 (XZN) XZN Bits Puntas XZN



107.16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

TORXplus is a registered trademark of Acument Intellectual Properties, LLC.
TORXplus es una marca registrada de Acument Intellectual Properties, LLC.

16107.22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
19	44	28	88	670	2	*1
22	44	28	88	692	2	*1
24	44	28	88	706	2	*1
27	44	28	88	730	2	*1
30	44	28	88	757	2	*1
32	44	28	93	783	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

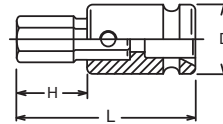


16107	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
16107	44	44	22	60	530	2	*1

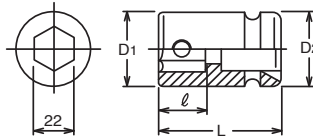
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

Replacement Screw : M8x14, 4mm

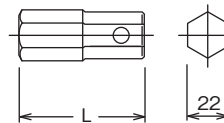
16107-22 Hex Bit Sockets Vasos con Punta Hexagonal



16107 Bit Holder Porta Punta



107-22 Bits for Inhex Screws Puntas para Tornillos Inhex

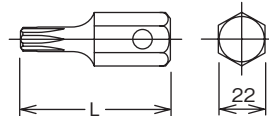


107.22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

107.22 (inch)	L (mm)	(g)	(pcs.)
New 5/8	50	120	10
New 3/4	50	140	10
New 7/8	50	162	10
New 1	50	190	10
New 1. 1/4	55	243	10

107.22 (T)	L (mm)	(g)	(pcs.)
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107-22 (T) TORX® Bits Puntas TORX®



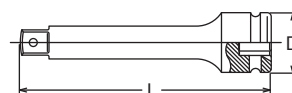
16760-150 · -175 · -200 · -250 · -330

Extension Bars
Alargaderas



16760	D (mm)	L (mm)	(g)	(pcs.)	⚡
150	44	150	775	1	*1
175	44	175	870	1	*1
200	44	200	955	1	*1
250	44	250	1150	1	*1
330	44	330	1460	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239



Impact Sockets **3/4"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

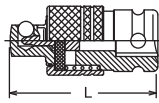
PROTECTOR
PROTECTORES

AUTOMOTIVE

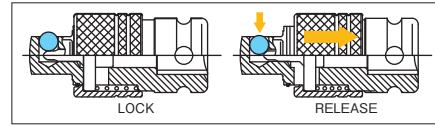
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

16666AL Adaptor (Quick Release) Adaptador (Extracción Rápida)



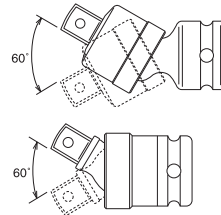
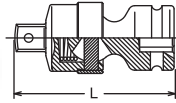
Lock & Quick Release



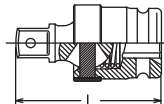
	L (mm)	(g)	(pcs.)	
16666AL	75	660	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16770 Universal Joint Articulación Universal



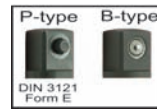
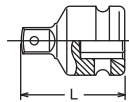
16771 Universal Joint Articulación Universal



	L (mm)	(g)	(pce.)	
16770	106	790	1	*1
16771	95	720	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16644A · 16655A Adaptors Adaptadores **No Warranty Sin Garantía** ⚠



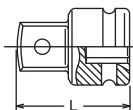
	□ (sq.)	□ (sq.)	L (mm)	(g)	(pcs.)	
16644A	3/4"	1/2"	54	310	5	*1
16644A-B	3/4"	1/2"	54	310	5	*1
16644A-P	3/4"	1/2"	54	310	5	*1

	□ (sq.)	□ (sq.)	L (mm)	(g)	(pcs.)	
16655A	3/4"	5/8"	55.5	336	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

⚠ Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.

16688A Adaptor Adaptador



	□ (sq.)	□ (sq.)	L (mm)	(g)	(pce.)	
16688A	3/4"	1"	62	435	1	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1


*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239


16688A-250 · -330 Adaptors Adaptadores



16201M • 16201A Socket Sets Juegos de Vasos




16201M	13 Pieces Set/△=6,800g
METAL CASE:W320×H110×T70mm	
Sockets	
 16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A	11 Pieces Set/△=6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
 16400A 6-pt. Sockets 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16201M-01 • 16201A-01 Socket Sets Juegos de Vasos


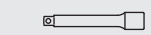
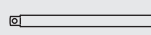


16201M-01	13 Pieces Set/△=6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
 16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-01	11 Pieces Set/△=5,400g
METAL CASE:W320×H110×T70mm	
Sockets	
 16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16245M Socket Sets Juegos de Vasos

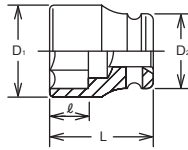


16245M	17 Pieces Set/△=12,000g
METAL CASE:W580×H200×T85mm	
Sockets	Accessories
 16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	 16760-175  16760-330

Impact Sockets 1"

18400M • 18400A

6-point Sockets
Vasos Hexagonales



18400M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	586	2	*1
19	35.3	54	13	57	590	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	54	36	70	997	2	*1
48	71.5	54	35	70	990	2	*1
50	74	54	35	70	1065	2	*1
52	76.5	54	40	75	1185	2	*1
54	79	54	40	75	1252	2	*1
55	80.3	54	39	75	1260	2	*1
56	81.5	54	39	75	1277	2	*1
58	84	54	39	75	1340	2	*1
60	86.5	54	39	75	1400	2	*1
62	89	54	38	75	1410	2	*1
63	90.3	54	38	75	1383	2	*1
65	92.8	54	38	75	1630	2	*1
67	95.3	54	38	75	1580	2	*1
68	96.5	54	37	75	1583	1	*1
70	99	54	37	75	1625	1	*1
75	105.3	86	37	80	2675	1	*2
80	111.5	86	41	85	2996	1	*2
85	117.8	86	37	90	3378	1	*2
90	124	86	40	95	3871	1	*2
95	130.3	86	43	100	4500	1	*2
100	136.5	86	47	105	5000	1	*2

18400A (inch)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	12	57	579	2	*1
3/4	35.3	54	13	57	590	2	*1
13/16	37.8	54	15	57	605	2	*1
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/16	45.3	54	16	57	627	2	*1
1. 1/8	47.8	54	18	57	657	2	*1
1. 3/16	49	54	21	62	657	2	*1
1. 1/4	51.5	54	21	62	685	2	*1
1. 5/16	54	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 9/16	61.5	54	25	66	850	2	*1
1. 5/8	62.8	54	25	66	850	2	*1
1.11/16	65.3	54	27	68	977	2	*1
1. 3/4	67.8	54	27	68	963	2	*1
1.13/16	69	54	29	70	1010	2	*1
1. 7/8	71.5	54	35	70	990	2	*1
1.15/16	72.8	54	35	70	1000	2	*1
2	75.3	54	35	70	1060	2	*1
2. 1/16	76.5	54	40	75	1185	2	*1
2. 1/8	79	54	40	75	1252	2	*1
2. 3/16	80.3	54	39	75	1260	2	*1
2. 1/4	82.8	54	39	75	1337	2	*1
2. 5/16	84	54	39	75	1340	2	*1
2. 3/8	86.5	54	39	75	1400	2	*1
2. 7/16	89	54	38	75	1410	2	*1
2. 1/2	91.5	54	38	75	1498	2	*1
2. 9/16	92.8	54	38	75	1630	2	*1
2. 5/8	95.3	54	38	75	1580	2	*1
2.11/16	96.5	54	37	75	1583	1	*1
2. 3/4	99	54	37	75	1625	1	*1
2.13/16	101.5	86	37	80	2705	1	*2
2. 7/8	102.8	86	38	80	2629	1	*2
2.15/16	105.3	86	37	80	2675	1	*2
3	106.5	86	37	80	2705	1	*2
3. 1/16	109	86	42	85	2967	1	*2
3. 1/8	111.5	86	41	85	2996	1	*2
3. 1/4	115.3	86	44	90	3328	1	*2
3. 3/8	119	86	36	90	3389	1	*2
3. 1/2	124	86	40	95	3871	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239
*2 C-Ring=1802C, Pin/O-Ring=1802A/B

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239
*2 C-Ring=1802C, Pin/O-Ring=1802A/B



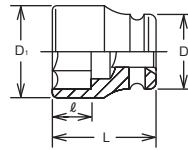
18401M • 18401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada

18401M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
17	29.8	53	12	57	481	2	*1
19	32.3	53	13	57	492	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
27	42.3	53	16	57	540	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
41	59.8	53	25	66	740	2	*1
46	66	53	29	70	900	2	*1
50	71	53	35	70	940	2	*1

18401A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239



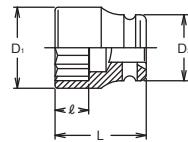
18405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
27	45.3	54	16	57	607	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	690	2	*1
35	55.3	54	21	62	690	2	*1
36	56.5	54	21	62	692	2	*1
38	59	54	25	66	700	2	*1
40	61.5	54	25	66	830	2	*1
New 41	62.8	54	25	66	905	2	*1
46	69	54	29	70	990	2	*1
50	74	54	35	70	1021	2	*1
55	80.3	54	39	75	1234	2	*1
56	81.5	54	39	75	1250	2	*1
60	86.5	54	39	75	1400	2	*1
65	92.8	54	38	75	1600	2	*1

18405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 3/4	67.8	54	27	68	970	2	*1
1.15/16	72.8	54	35	70	1000	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18405M • 18405A

12-point Sockets
Vasos Bihexagonales



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

Impact Sockets 1"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

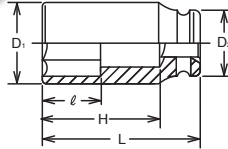
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

18301X

6-point Semi-Deep Sockets, Thin Walled
Vasos Hexagonales Medianos de Pared Delgada

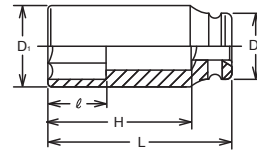


18301X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	53	33	53	85	781	2	*1
35	52.3	53	35	53	85	800	2	*1
36	53.5	53	36	52	85	808	2	*1
38	56	53	38	52	85	865	2	*1
41	59.8	53	38	51	85	937	2	*1
46	66	53	38	50	85	1032	2	*1
50	71	53	55	-	85	1220	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18300M • 18300A

6-point Sockets, Deep
Vasos Hexagonales Largos



18300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
19	35.3	54	19	77	108	1010	2	*1
22	39	54	22	77	108	1010	2	*1
23	40.3	54	26	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	54	67	-	108	1500	2	*1
50	74	54	66	-	108	1650	2	*1
52	76.5	54	65	-	108	1770	2	*1
55	80.3	54	63	-	108	1855	2	*1
60	86.5	54	60	-	108	2047	2	*1
65	92.8	54	58	-	108	2310	2	*1
70	99	54	55	-	108	2440	1	*1
75	105.3	86	52	-	108	3646	1	*2
80	111.5	86	49	-	108	4039	1	*2
85	117.8	86	59	-	108	4000	1	*2
90	124	86	57	-	108	4200	1	*2
95	130.3	86	55	-	108	4400	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B

*2 C-Ring=1802C, Pin/O-Ring=1802A/B

→ P238-239

18300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
11/16	32.8	54	17	77	108	978	2	*1
3/4	35.3	54	19	77	108	1010	2	*1
7/8	39	54	22	77	108	1010	2	*1
15/16	41.5	54	24	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	49	54	30	77	108	1179	2	*1
1. 1/4	51.5	54	32	77	108	1200	2	*1
1. 5/16	54	54	34	77	108	1280	2	*1
1. 3/8	55.3	54	35	77	108	1300	2	*1
1. 7/16	57.8	54	37	76	108	1320	2	*1
1. 1/2	59	54	38	76	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	54	67	-	108	1500	2	*1
1.15/16	72.8	54	67	-	108	1570	2	*1
2	75.3	54	66	-	108	1605	2	*1
2. 1/16	76.5	54	65	-	108	1770	2	*1
2. 1/8	79	54	64	-	108	1812	2	*1
2. 3/16	80.3	54	63	-	108	1855	2	*1
2. 1/4	82.8	54	62	-	108	1916	2	*1
2. 5/16	84	54	61	-	108	1987	2	*1
2. 3/8	86.5	54	60	-	108	2047	2	*1
2. 7/16	89	54	59	-	108	2041	2	*1
2. 1/2	91.5	54	58	-	108	2250	2	*1
2. 9/16	92.8	54	58	-	108	2310	2	*1
2. 5/8	95.3	54	56	-	108	2370	1	*1
2. 3/4	99	54	55	-	108	2440	1	*1
2. 7/8	102.8	86	53	-	108	3600	1	*2
2.15/16	105.3	86	52	-	108	3646	1	*2
3	106.5	86	51	-	108	3677	1	*2
3. 1/16	109	86	50	-	108	3939	1	*2
3. 1/8	111.5	86	49	-	108	4039	1	*2
3. 3/16	112.8	86	48	-	108	4170	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B

*2 C-Ring=1802C, Pin/O-Ring=1802A/B

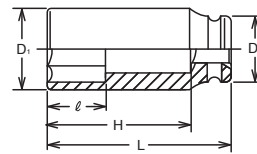
→ P238-239



18301M · 18301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Parad De Igada

18301M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
17	29.8	53	17	77	108	692	2	*1
18	31	53	18	77	108	710	2	*1
19	32.3	53	19	77	108	725	2	*1
20	33.5	53	20	77	108	740	2	*1
21	34.8	53	21	77	108	750	2	*1
22	36	53	22	77	108	770	2	*1
New 23	37.3	53	23	77	108	780	2	*1
New 24	38.5	53	24	77	108	800	2	*1
New 26	41	53	26	77	108	830	2	*1
New 27	42.3	53	27	77	108	860	2	*1
New 29	44.8	53	29	77	108	880	2	*1
30	46	53	30	77	108	910	2	*1
32	48.5	53	32	77	108	970	2	*1
33	49.8	53	33	77	108	980	2	*1
34	51	53	34	77	108	980	2	*1
35	52.3	53	35	77	108	986	2	*1
36	53.5	53	36	76	108	992	2	*1
38	56	53	38	76	108	1025	2	*1
New 39	57.3	53	38	76	108	1130	2	*1
New 41	59.8	53	38	75	108	1213	2	*1
New 43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	53	38	-	108	1435	2	*1



18301A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ⓢ
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1. 1/16	42.3	53	27	77	108	860	2	*1
1. 3/16	46	53	30	77	108	910	2	*1
1. 1/4	48.5	53	32	77	108	970	2	*1
1. 3/8	52.3	53	35	77	108	986	2	*1
1. 1/2	56	53	38	76	108	1025	2	*1
1. 5/8	59.8	53	38	75	108	1213	2	*1
1.13/16	66	53	38	74	108	1400	2	*1

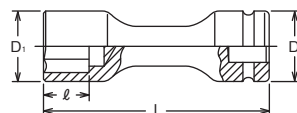
*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18104M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	Ⓢ
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
28	46.5	54	28	170	1390	1	*1
30	49	54	30	170	1407	1	*1
32	51.5	54	32	170	1537	1	*1
33	52.8	54	33	170	1590	1	*1
34	54	54	34	170	1670	1	*1
36	56.5	54	36	170	1800	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

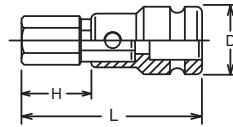
18104M

Extra Long Sockets
Vasos Extra-Largos



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

18106-16 Hex Bit Sockets Vasos con Punta Hexagonal

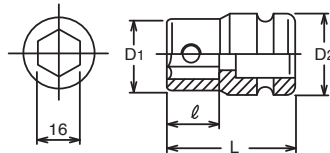


18106-16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	(⚡)
10	54	24	92	686	2	*1
12	54	24	92	692	2	*1
13	54	24	92	696	2	*1
14	54	24	92	700	2	*1
16	54	24	92	709	2	*1
17	54	24	92	713	2	*1
18	54	24	92	718	2	*1
19	54	24	92	764	2	*1
22	54	24	92	781	2	*1

18106-16 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	(⚡)
1/2	54	24	92	696	2	*1
9/16	54	24	92	700	2	*1
5/8	54	24	92	709	2	*1
3/4	54	24	92	764	2	*1


*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18106 Bit Holder Porta Punta

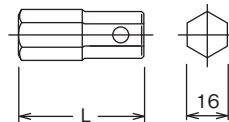


	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	(⚡)
18106	32	54	16	68	640	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

 Replacement Screw : M6x10, ●3mm

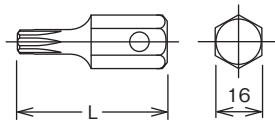
107-16 Bits for Inhex Screws Puntas para Tornillos Inhex



107-16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

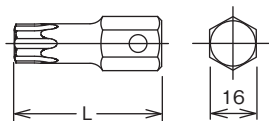
107-16 (inch)	L (mm)	(g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107-16 (T) TORX® Bits Puntas TORX®



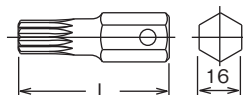
107-16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16 (IP) TORX® PLUS Bits Puntas TORX® Plus



107-16 (IP)	L (mm)	(g)	(pcs.)
New 55IP	50	57	10
New 60IP	50	64	10
New 70IP	50	73	10

107-16 (XZN) XZN Bits Puntas XZN



107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

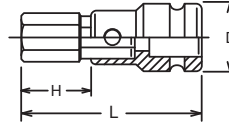
TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

TORXplus is a registered trademark of Acument Intellectual Properties, LLC.
TORXplus es una marca registrada de Acument Intellectual Properties, LLC.

18107.22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	54	28	98	910	2	*1
22	54	28	98	932	2	*1
24	54	28	98	946	2	*1
27	54	28	98	986	2	*1
30	54	28	98	1008	2	*1
32	54	28	103	1029	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18107-22 Hex Bit Sockets Vasos con Punta Hexagonal

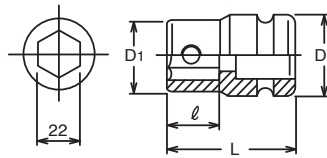


18107	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
18107	44	54	22	70	770	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

 Replacement Screw : M8x14, ●4mm

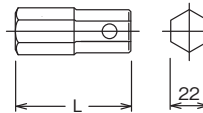
18107 Bit Holder Porta Punta



107.22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

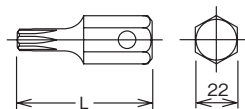
107.22 (inch)	L (mm)	(g)	(pcs.)
New 5/8	50	120	10
New 3/4	50	140	10
New 7/8	50	162	10
New 1	50	190	10
New 1. 1/4	55	243	10

107-22 Bits for Inhex Screws Puntas para Tornillos Inhex



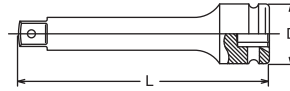
107.22 (T)	L (mm)	(g)	(pcs.)
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107-22 (T) TORX® Bits Puntas TORX®



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
RENEWAL KITS CONSTRUCCION
JUEGOS DE PIEZAS REPUESTO CONSTRUCCION

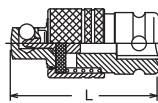
18760-175 · -200 · -250 · -330 Extension Bars Alargaderas



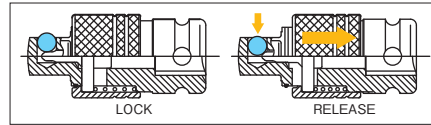
18760	D (mm)	L (mm)	(g)	(pce.)	Ⓢ
175	54	175	1400	1	*1
200	54	200	1580	1	*1
250	54	250	1885	1	*1
330	54	330	2380	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18888AL Adaptor (Quick Release) Adaptador (Extracción Rápida)



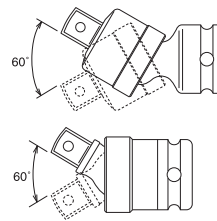
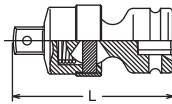
Lock & Quick Release



18888AL	L (mm)	(g)	(pce.)	Ⓢ
18888AL	95	980	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

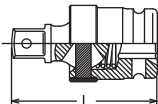
18770 Universal Joint Articulación Universal



18770	L (mm)	(g)	(pce.)	Ⓢ
18770	127	1210	1	*1
18771	115	1210	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18771 Universal Joint Articulación Universal



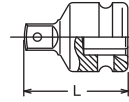
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
18866A	1"	3/4"	66.5	580	1	*1
18866A-200	1"	3/4"	200	1100	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

18866A Adaptors Adaptadores No Warranty Sin Garantia ⚠

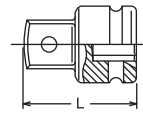
18866A-200 ⚠



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
18877A	1"	1.1/2"	80	935	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18877A Adaptor Adaptador

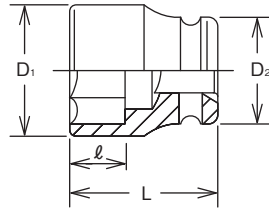


HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

Impact Sockets 1-1/2"

17400M • 17400A

6-point Sockets
Vasos Hexagonales



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

17400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⚡
36	62	86	20	77	2126	1	*1
41	68	86	22	80	2346	1	*1
42	70	86	22	80	2330	1	*1
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
52	82	86	38	84	2340	1	*1
54	84	86	38	84	2340	1	*1
55	85	86	44	90	2450	1	*1
58	88	86	44	90	2510	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2
105	146	127	57	120	8000	1	*2
110	153	127	60	124	9200	1	*2
115	160	127	62	128	10700	1	*2
120	166	127	64	132	11200	1	*2
125	173	127	67	136	13000	1	*2
130	180	127	69	140	14200	1	*2
135	186	127	73	145	14940	1	*2
140	190	127	76	150	15600	1	*2
150	200	127	83	160	16500	1	*2

17400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⚡
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5500	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2
4. 7/8	173	127	67	136	13000	1	*2
5	180	127	69	140	14200	1	*2
5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
6. 1/2	205	127	94	175	17500	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P238-239
*2 Pin/O-Ring=1702A/B

1-1/2" Impact Sockets

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

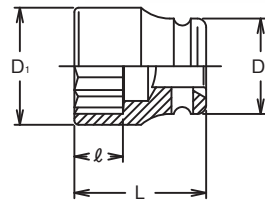
17405M • 17405A

12-point Sockets
Vasos Bihexagonales

17405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⊕
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
55	85	86	44	90	2450	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1

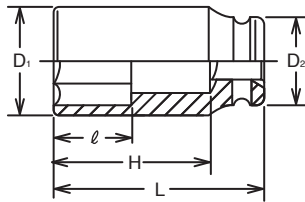
17405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⊕
1.11/16	71	86	22	80	2300	1	*1
1.3/4	73	86	22	80	2290	1	*1
1.7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2.1/16	82	86	38	84	2340	1	*1
2.1/8	84	86	38	84	2340	1	*1
2.3/16	85	86	44	90	2450	1	*1
2.1/4	87	86	43	90	2460	1	*1
2.3/8	91	86	43	90	2640	1	*1
2.7/16	93	86	47	95	2860	1	*1
2.1/2	96	86	47	95	3000	1	*1
2.9/16	97	86	48	95	3050	1	*1
2.5/8	100	86	51	100	3300	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P238-239



17300M • 17300A

6-point Deep Sockets
Vasos Hexagonales Largos



17300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pce.)	⊕
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	135	4370	1	*1
65	97	86	38	99.5	145	5260	1	*1
70	103	86	40	98.5	145	5780	1	*1
75	108	86	42	107.5	155	6580	1	*1
80	115	86	46	115.5	165	7740	1	*1
85	122	86	49	114.5	165	7420	1	*1
90	128	86	52	122.5	175	9630	1	*1
95	135	127	55	121.5	175	10450	1	*2
100	140	127	58	130.5	185	9741	1	*2
105	146	127	62	138.5	195	10850	1	*2
110	153	127	65	137.5	195	11500	1	*2
115	160	127	68	135.5	195	12160	1	*2
120	166	127	72	144.5	205	13680	1	*2
125	173	127	74	142.5	205	14450	1	*2
130	180	127	76	142.5	205	15190	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B
*2 Pin/O-Ring=1702A/B → P238-239

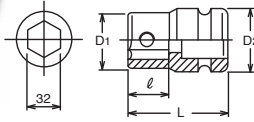
17300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pce.)	⊕
1.5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1.3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1.7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	1	*1
2.1/16	82	86	30	90.5	135	4030	1	*1
2.1/8	84	86	30	90.5	135	4160	1	*1
2.3/16	85	86	33	90.5	135	4200	1	*1
2.1/4	87	86	33	90.5	135	4160	1	*1
2.3/8	91	86	35	90.5	135	4370	1	*1
2.7/16	93	86	35	90.5	135	4490	1	*1
2.1/2	96	86	35	90.5	135	4630	1	*1
2.9/16	97	86	38	99.5	145	5260	1	*1
2.5/8	100	86	38	99.5	145	5320	1	*1
2.11/16	101	86	38	99.5	145	5670	1	*1
2.3/4	103	86	40	98.5	145	5780	1	*1
2.13/16	105	86	40	98.5	145	6000	1	*1
2.7/8	106	86	40	98.5	145	6080	1	*1
2.15/16	108	86	42	107.5	155	6580	1	*1
3	108	86	42	107.5	155	6850	1	*1
3.1/8	115	86	46	115.5	165	7740	1	*1
3.3/4	135	127	55	121.5	175	12200	1	*2
3.7/8	140	127	56	120.5	175	11080	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B
*2 Pin/O-Ring=1702A/B → P238-239

Impact Sockets 1-1/2"

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
RENEWAL KITS CONSTRUCTION JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

17108 Bit Holder, For 107-32 Porta Punta

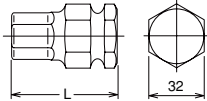


	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pce.)	
17108	60	86	30	85	2200	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P238-239

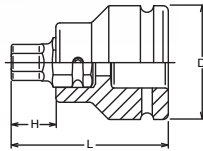
Replacement Screw : M8x14, ●4mm

107-32 Bit for Inhex Screws Puntas para Tornillos Inhex



107.32 (mm)	L (mm)	(g)	(pcs.)
19	60	300	10
22	60	320	10
24	60	330	10
27	60	360	10
30	60	390	10
32	60	410	10
36	60	460	10

17108-32 Hex Bit Sockets Vasos con Punta Hexagonal



17108-32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pce.)	
19	86	30	115	2500	1	*1
22	86	30	115	2520	1	*1
24	86	30	115	2530	1	*1
27	86	30	115	2560	1	*1
30	86	30	115	2590	1	*1
32	86	30	115	2610	1	*1
36	86	30	115	2660	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P238-239

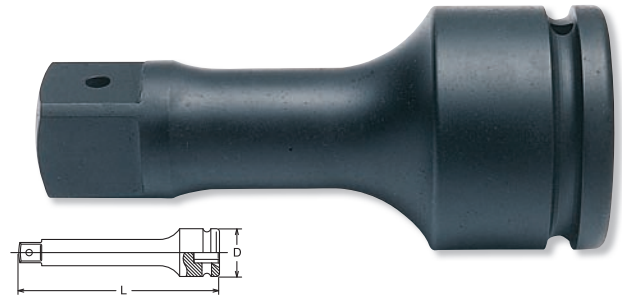


1-1/2" Impact Sockets

17760	D (mm)	L (mm)	(g)	(pce.)	⚡
175	86	175	3300	1	*1
250	86	250	4500	1	*1
330	86	330	5200	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P238-239

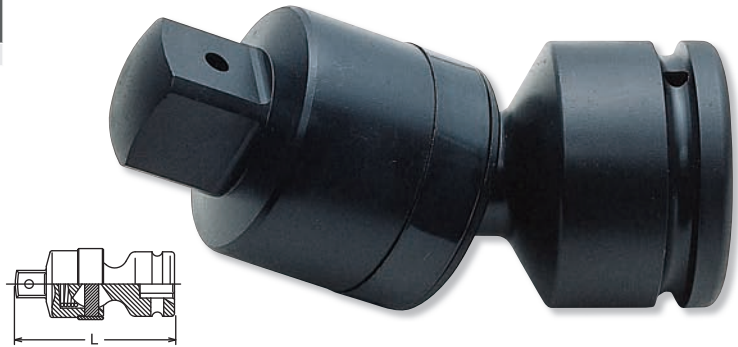
17760-175 • -250 • -330 Extension Bars Alargaderas



17770	L (mm)	(g)	(pce.)	⚡
17770	200	4700	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P238-239

17770 Universal Joint Articulación Universal



17788A	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
17788A	1.1/2"	1"	98	2600	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P238-239

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

17788A ⚠ Adaptors Adaptadores No Warranty Sin Garantía



17799A	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
17799A	1.1/2"	2.1/2"	115	3790	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P238-239

17799A Adaptors Adaptadores

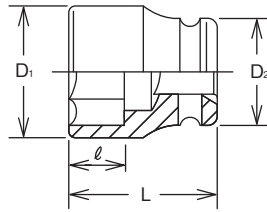


HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

Impact Sockets 2-1/2"

19400M • 19400A

6-point Sockets
Vasos Hexagonales



19400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	Ⓢ
50	88	127	39	115	7270	1	*1
55	94	127	42	115	7350	1	*1
60	100	127	45	125	7870	1	*1
65	105	127	48	125	7790	1	*1
70	110	127	51	125	7640	1	*1
75	118	127	54	125	7740	1	*1
80	124	127	57	125	7640	1	*1
85	127	127	61	132	7840	1	*1
90	135	127	64	132	8500	1	*1
95	140	127	71	140	10160	1	*1
100	146	127	71	142	11500	1	*1
105	155	127	74	146	11350	1	*1
110	160	127	76	155	12710	1	*1
115	167	127	78	158	13980	1	*1
120	175	175	79	160	15430	1	*2
125	180	175	82	165	16590	1	*2
130	185	175	85	169	17590	1	*2
135	190	175	89	175	19030	1	*2
140	200	175	93	180	21810	1	*2
145	205	175	95	183	24440	1	*2
150	210	175	97	192	25720	1	*2
160	225	175	102	200	30920	1	*2
165	230	175	105	204	32610	1	*2
170	235	175	106	207	34390	1	*2
175	240	175	109	211	36210	1	*2
180	250	175	110	214	40630	1	*2
185	255	175	113	218	42690	1	*2
190	265	175	113	220	47440	1	*2
200	275	175	116	225	51550	1	*2
210	285	175	123	235	57170	1	*2
215	290	175	126	240	60260	1	*2
225	305	175	133	250	70180	1	*2
235	315	175	140	260	77060	1	*2

19400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	Ⓢ
2. 3/8	100	127	45	125	7870	1	*1
2. 7/16	102	127	46	125	7840	1	*1
2. 1/2	103	127	47	125	7810	1	*1
2. 9/16	105	127	48	125	7790	1	*1
2. 5/8	107	127	49	125	7790	1	*1
2.11/16	108	127	50	125	7790	1	*1
2. 3/4	110	127	51	125	7640	1	*1
2.13/16	113	127	52	125	7690	1	*1
2. 7/8	115	127	53	125	7730	1	*1
2.15/16	118	127	54	125	7740	1	*1
3	120	127	55	125	7740	1	*1
3. 1/8	124	127	57	125	7640	1	*1
3. 1/4	125	127	59	125	7740	1	*1
3. 3/8	127	127	61	132	7840	1	*1
3. 1/2	135	127	64	132	8500	1	*1
3. 5/8	138	127	64	132	9330	1	*1
3. 3/4	140	127	71	140	10160	1	*1
3. 7/8	143	127	70	140	10830	1	*1
4	146	127	71	142	11500	1	*1
4. 1/8	155	127	70	142	11250	1	*1
4. 1/4	160	127	76	155	12710	1	*1
4. 1/2	167	127	78	158	13980	1	*1
4. 5/8	175	175	79	160	15430	1	*2
4. 7/8	180	175	82	165	16590	1	*2
5	183	175	81	165	17090	1	*2
5. 1/4	190	175	89	175	19030	1	*2
5. 3/8	198	175	94	180	20880	1	*2
5. 1/2	200	175	93	180	21810	1	*2
5. 5/8	203	175	94	182	22480	1	*2
5. 3/4	207	175	103	192	24440	1	*2
6	217	175	100	196	28510	1	*2
6. 1/8	218	175	99	196	29720	1	*2
6. 5/8	233	175	105	205	33500	1	*2
7	248	175	110	213	39160	1	*2

*1 Pin/O-Ring=1901A/B

*2 Pin/O-Ring=1902A/B

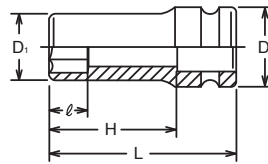
→ P239

2-1/2" Impact Sockets

19300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
75	118	127	42	129	190	11930	1	*1
80	124	127	46	129	190	12280	1	*1
85	127	127	49	134	195	12480	1	*1
90	135	127	52	144	205	14000	1	*1
95	140	127	55	149	210	14630	1	*1
100	146	127	58	154	215	15520	1	*1
105	155	127	62	146.5	220	18250	1	*1
110	160	127	65	150.5	225	18740	1	*1
115	167	127	68	153.5	230	20940	1	*1
120	175	175	72	157.5	235	23530	1	*2
125	180	175	74	158.5	238	26110	1	*2
130	185	175	76	163.5	243	25320	1	*2
135	190	175	80	165.5	248	26290	1	*2
140	200	175	82	164.5	248	28940	1	*2
145	205	175	84	163.5	248	29520	1	*2
150	210	175	88	168.5	255	30600	1	*2
155	215	175	92	167.5	255	31680	1	*2
160	225	175	95	170.5	260	35560	1	*2
165	230	175	98	169.5	260	36040	1	*2
170	235	175	100	172.5	265	37230	1	*2
175	240	175	102	176.5	270	39420	1	*2

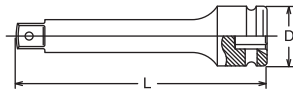
*1 Pin/O-Ring=1901A/B → P239
 *2 Pin/O-Ring=1902A/B

19300M 6-point Deep Sockets Vasos Hexagonales Largos



19760	D (mm)	L (mm)	(g)	(pce.)	⚡
250	127	250	17800	1	*1
500	127	500	27800	1	*1

*1 Pin/O-Ring=1901A/B → P239

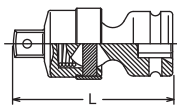


19760-250 · -500 Extension Bars Alargaderas



19770	L (mm)	(g)	(pce.)	⚡
19770	303	21360	1	*1

*1 Pin/O-Ring=1901A/B → P239



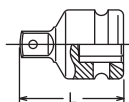
19770 Universal Joint Articulación Universal



19977A	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
19977A	2.1/2"	1.1/2"	145	7210	1	*1

*1 Pin/O-Ring=1901A/B → P239

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.



19977A Adaptor Adaptador No Warranty Sin Garantía ⚠

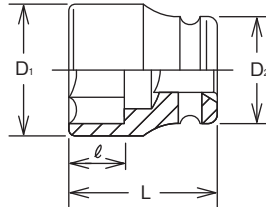


HAND MANUALES
 Z-SERIES
 TITANIUM DE TITANIO
 ACCESSORIES ACCESORIOS
 SCREWDRIVERS DESTORNILLADORES
 IMPACT DE IMPACTO
 SLEEVE-DRIVE
 INDUSTRIAL INDUSTRIALES
 PROTECTOR PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION CONSTRUCCION
 RENEWAL KITS JUEGOS DE REPARACION

Impact Sockets 3-1/2"

10400M • 10400A

6-point Sockets
Vasos Hexagonales



10400M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pce.)	⚡
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	200	106	207	29600	1	*2
150	215	200	109	212	31240	1	*2
160	228	200	114	220	35500	1	*2
165	235	200	117	224	37940	1	*2
170	240	200	118	227	39660	1	*2
175	245	200	121	231	41400	1	*2
180	255	200	122	234	45740	1	*2
185	265	200	125	238	50350	1	*2
190	275	200	125	239	54650	1	*2
200	285	200	128	245	59190	1	*2
210	295	200	135	255	64970	1	*2
215	300	200	138	260	68150	1	*2

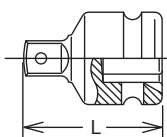
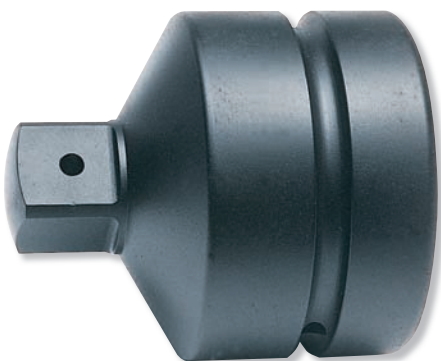
10400A (inch)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pce.)	⚡
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123	236	48400	1	*2
7.3/8	269	200	124	238	52500	1	*2
7.1/2	275	200	125	240	55350	1	*2
7.5/8	278	200	127	242	56050	1	*2
7.3/4	282	200	129	245	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

*1 Pin/O-Ring=2001A/B → P239
*2 Pin/O-Ring=2002A/B

10099A

Adaptor
Adaptador

No Warranty
Sin Garantía



10099A	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
10099A	3.1/2"	2.1/2"	182	16870	1	*1

*1 Pin/O-Ring=2001A/B → P239

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

3/8"

1/2"

3/4"

Sleeve Drive Sockets

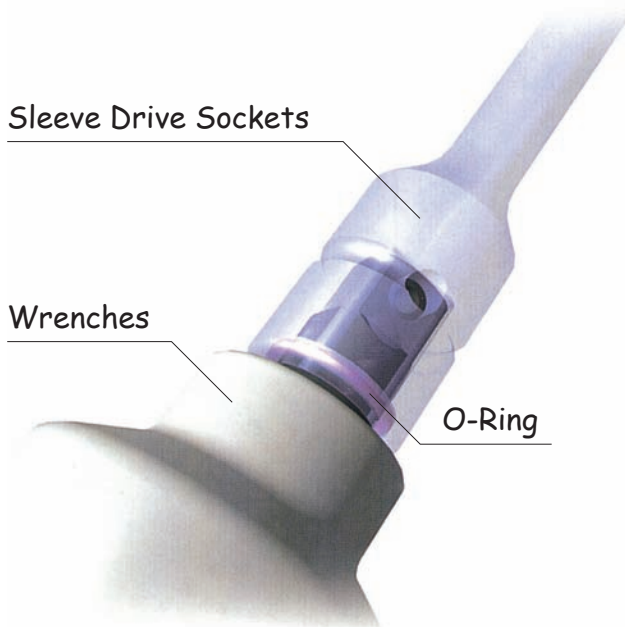


HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

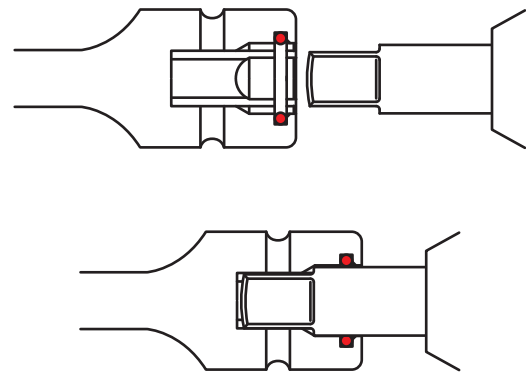


The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An **O-ring** inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

El extremo de accionamiento alargado de las herramientas con **casquillo conductor** evita la unión a veces "holgada" entre la herramienta de percusión-alargadera-vaso. Una junta tórica en el interior del **casquillo conductor** optimiza el ajuste perfecto de las alargaderas y los vasos en el elemento de accionamiento lo que se traduce en la mejora de la exactitud del par requerido suministrado por la herramienta de percusión.



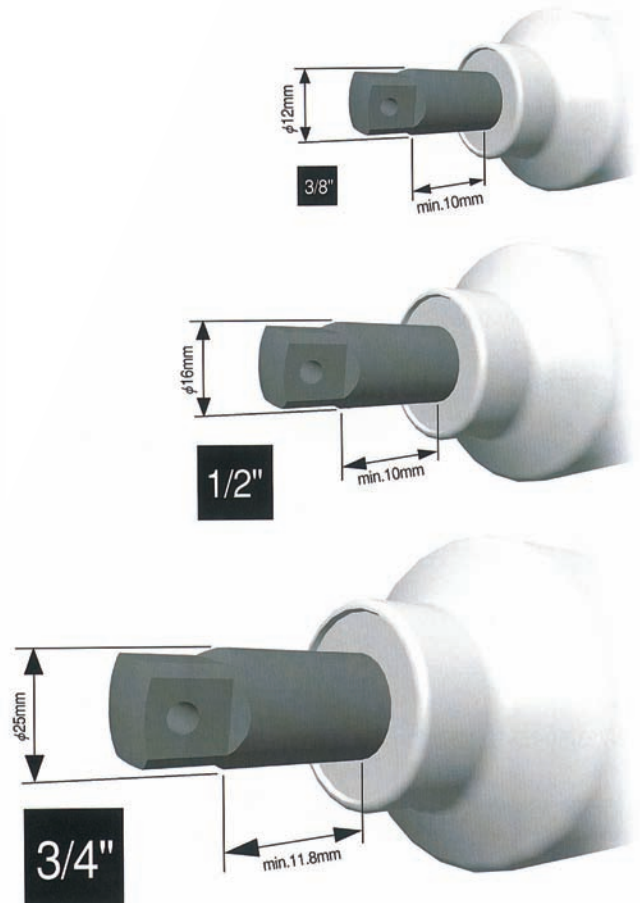
SLEEVE DRIVE SOCKET PULSE TOOL



The "**Sleeve Drive**" Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

Los Vasos y accesorios con Casquillo Conductor se han diseñado para su utilización con Herramientas de Percusión con elementos de accionamiento de cierta longitud y diámetro como se muestra a continuación.

	Anvil Diameter (mm)	Minimum Anvil Length (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8



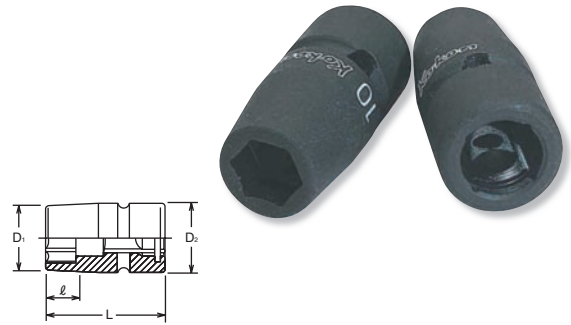
3/8" Sleeve Drive Sockets

NV13400 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
10	15.8	19	7	43	53	10	*1
11	17	19	8	43	54	10	*1
12	18.3	19	9	43	55	10	*1
13	19.5	22	10	43	80	10	*2
14	20.8	22	10	43	80	10	*2
15	22	22	11	43	81	10	*2
16	23.3	22	11	43	83	10	*2
17	24.5	22	11	43	85	10	*2
18	25.8	22	11	43	89	10	*2
19	27	22	11	43	98	10	*2
21	29.5	22	11	43	105	10	*2
22	30.8	22	11	43	112	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
 *2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P238-239

NV13400 6-point Sockets Vasos Hexagonales



NV13145.100 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
6	13	19	6	100	108	10	*1
8	13	19	8	100	110	10	*1
10	15.5	19	10	100	112	10	*1
12	18	19	12	100	120	10	*1
13	19	19	13	100	127	10	*1
14	21	19	14	100	131	10	*1
15	22	19	15	100	133	10	*1
16	24	19	15	100	144	10	*1
17	25	19	15	100	154	10	*1

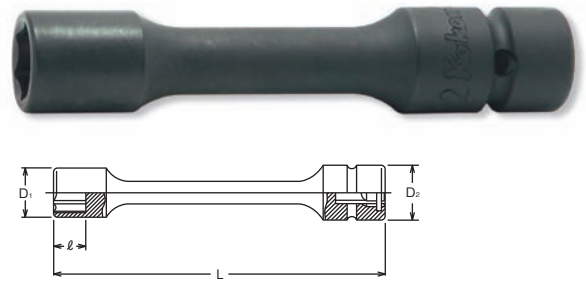
NV13145.150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
6	13	19	6	150	163	10	*1
8	13	19	8	150	158	10	*1
10	15.5	19	10	150	165	10	*1
12	18	19	12	150	168	10	*1
13	19	19	13	150	170	10	*1
14	21	19	14	150	175	10	*1
15	22	19	15	150	177	10	*1
16	24	19	15	150	190	10	*1
17	25	19	15	150	203	10	*1

NV13145.200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
6	13	19	6	200	209	10	*1
8	13	19	8	200	203	10	*1
10	15.5	19	10	200	212	10	*1
12	18	19	12	200	214	10	*1
13	19	19	13	200	218	10	*1
14	21	19	14	200	220	10	*1
15	22	19	15	200	226	10	*1
16	24	19	15	200	235	10	*1
17	25	19	15	200	250	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

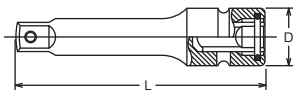
→ P238-239

NV13145-100 • -150 • -200 Extended Sockets Vasos con Alargadera



NV13760-75P • -125P • -150P • -250P

Extension Bars Alargaderas



NV13760	D (mm)	L (mm)	(g)	(pcs.)	⚡
75P	19	75	95	10	*1
125P	19	125	125	10	*1
150P	19	150	150	10	*1
250P	19	250	255	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

→ P238-239

HAND MANUALES
 Z-SERIES
 TITANIUM DE TITANIO
 ACCESSORIES ACCESORIOS
 SCREWDRIVERS DESTORNILLADORES
 IMPACT DE IMPACTO
 SLEEVE-DRIVE
 INDUSTRIAL INDUSTRIALES
 PROTECTOR PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION CONSTRUCCION
 RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Sleeve Drive Sockets **3/8"**

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

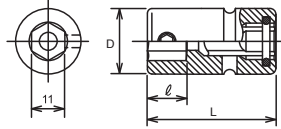
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN


RENEWAL KITS
JUEGOS DE PIEZAS/REPUES

NV13105 Bit Holder Porta Punta

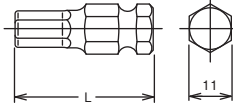


NV13105	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
	22	13	43	90	5	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

 Replacement Screw : M5x6, ●2.5mm

107-11 Bits for Inhex Screws Puntas para Tornillos de Seis Lados en el Interior (Inhex)

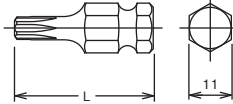


107-11 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10

107-11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107-11(L80) (mm)	L (mm)	(g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

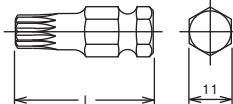
107-11 (T) TORX® Bits Puntas TORX®



107-11 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10

107-11(L80) (T)	L (mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45	80	56	10
T50	80	57	10
T55	80	66	10
T60	80	76	10

107-11 (XZN) Bits XZN Puntas XZN



107-11 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10

107-11(L80) (XZN)	L (mm)	(g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

1/2" Sleeve Drive Sockets

NV14400 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
12	19.5	25	9	54	120	10	*1
13	20.7	25	10	54	120	10	*1
14	22	25	10	54	120	10	*1
15	23.2	30	11	54	188	10	*2
16	24.5	30	11	54	189	10	*2
17	25.7	30	12	54	190	10	*2
18	27	30	12	54	190	10	*2
19	28.2	30	12	54	190	10	*2
21	30.7	30	12	54	191	10	*2
22	32	30	12	54	192	10	*2
23	33.2	30	12	54	196	10	*2
24	34.5	30	12	54	200	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P238-239

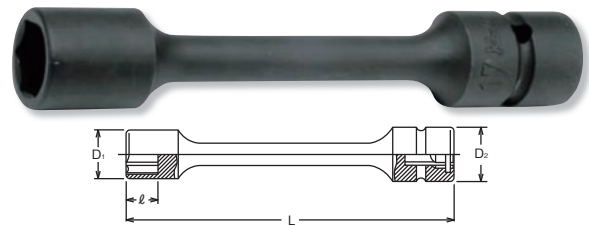
NV14145.100 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	100	161	10	*1
12	18	25	12	100	178	10	*1
13	19	25	13	100	175	10	*1
14	21	25	14	100	181	10	*1
15	22	25	15	100	185	10	*1
16	24	25	15	100	193	10	*1
17	25	25	15	100	201	10	*1
18	26	25	15	100	211	10	*1
19	28	25	15	100	221	10	*1

NV14145.150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	150	200	10	*1
12	18	25	12	150	215	10	*1
13	19	25	13	150	220	10	*1
14	21	25	14	150	225	10	*1
15	22	25	15	150	230	10	*1
16	24	25	15	150	240	10	*1
17	25	25	15	150	250	10	*1
18	26	25	15	150	262	10	*1
19	28	25	15	150	275	10	*1

NV14400 6-point Sockets Vasos Hexagonales



NV14145-100 · -150 · -200 Extended Sockets Vasos con Alargadera

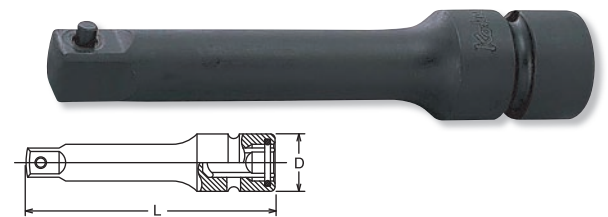


NV14145.200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	200	236	10	*1
12	18	25	12	200	250	10	*1
13	19	25	13	200	260	10	*1
14	21	25	14	200	270	10	*1
15	22	25	15	200	275	10	*1
16	24	25	15	200	287	10	*1
17	25	25	15	200	300	10	*1
18	26	25	15	200	310	10	*1
19	28	25	15	200	320	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

NV14760-75P · -125P · -175P · -250P

Extension Bars Alargaderas

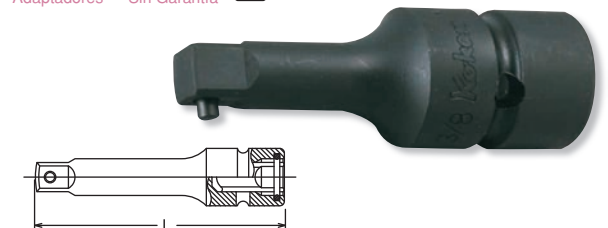


NV14760	D (mm)	L (mm)	(g)	(pcs.)	
75P	25	75	149	10	*1
125P	25	125	230	10	*1
175P	25	175	308	10	*1
250P	25	250	422	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

NV14433A-75P · -100P · -150P

Adaptors Adaptadores No Warranty Sin Garantía ⚠



NV14433A	□ (mm)	□ (mm)	L (mm)	(g)	(pcs.)	
75P	1/2"	3/8"	75	120	1	*1
100P	1/2"	3/8"	100	145	1	*1
150P	1/2"	3/8"	150	187	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

HAND MANUALES
 Z-SERIES
 TITANIUM DE TITANIO
 ACCESSORIES ACCESORIOS
 SCREWDRIVERS DESTORNILLADORES
 IMPACT DE IMPACTO
 SLEEVE-DRIVE
 INDUSTRIAL INDUSTRIALES
 PROTECTOR PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION CONSTRUCCION
 RENEWAL KITS JUEGOS DE REPARACION

Sleeve Drive Sockets 1/2"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

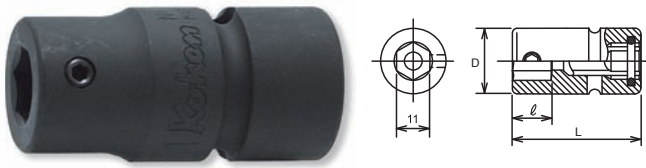
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN


RENEWAL KITS
JUEGOS DE PIEZAS/REPUES

NV14105 Bit Holder Porta Punta

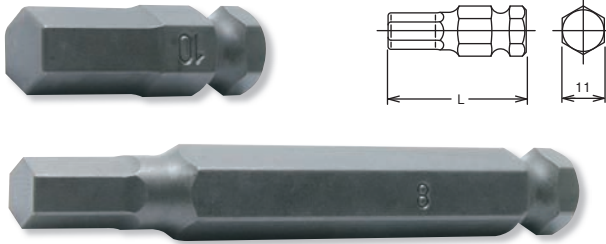


NV14105	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
	22	13	43	115	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

 Replacement Screw : M5x6, ●2.5mm

107-11 Bits for Inhex Screws Puntas para Tornillos de Seis Lados en el Interior (Inhex)

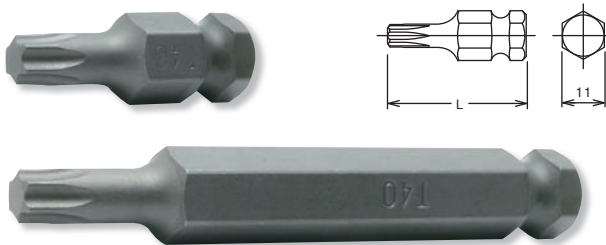


107-11 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10

107-11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107-11(L80) (mm)	L (mm)	(g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

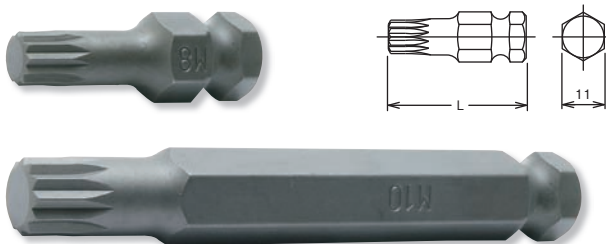
107-11 (T) TORX® Bits Puntas TORX®



107-11 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10

107-11(L80) (T)	L (mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45	80	56	10
T50	80	57	10
T55	80	66	10
T60	80	76	10

107-11 (XZN) Bits XZN Puntas XZN



107-11 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10

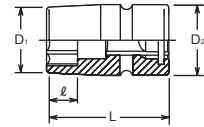
107-11(L80) (XZN)	L (mm)	(g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

3/4" Sleeve Drive Sockets

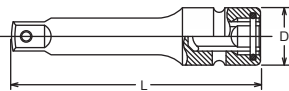
NV16400 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	68	483	5	*1
29	45	44	18	68	464	5	*1
30	46.3	44	18	68	492	5	*1
32	48.8	44	19	70	514	5	*1
33	50	44	20	70	564	5	*1
34	51.3	44	20	70	588	5	*1
35	52.5	44	20	70	593	5	*1
36	53.8	44	20	70	598	5	*1
38	56.3	44	20	72	670	2	*1
41	60	44	22	72	687	2	*1
46	66.3	44	23	77	906	2	*1
50	69	44	23	77	1116	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

NV16400 6-point Sockets Vasos Hexagonales



NV16760-175 • -250 • -330 Extension Bars Alargaderas



NV16760	D (mm)	L (mm)	(g)	(pce.)	⚡
175	44	175	870	1	*1
250	44	250	1160	1	*1
330	44	330	1460	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

HAND MANUALES Z-SERIES TITANIUM DE TITANIO ACCESSORIES ACCESORIOS SCREWDRIVERS DESTORNILLADORES IMPACT DE IMPACTO SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES PROTECTOR PROTECTORES AUTOMOTIVE CONSTRUCTION CONSTRUCCION RENEWAL KITS JUEGOS DE REPARACION

C-Ring Lock Clamps and Pullers

Aro de Sujeción en C y Extractor

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

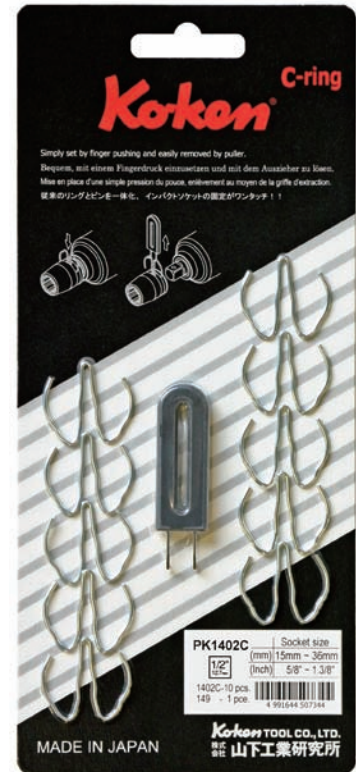
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUES



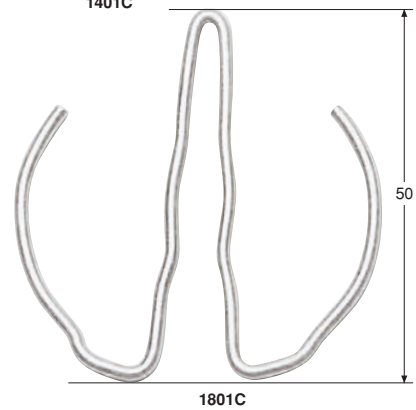
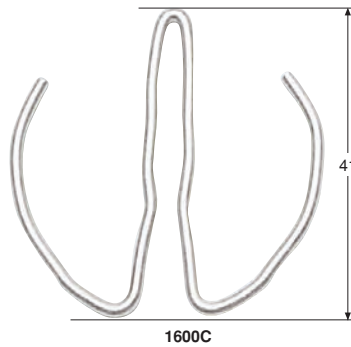
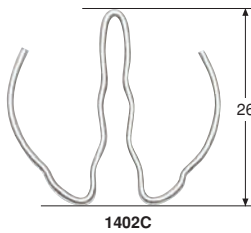
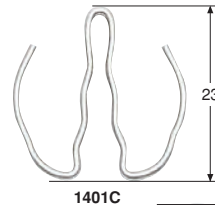
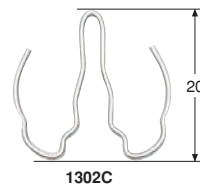
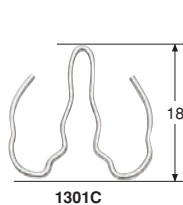
One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

Aro de acero elástico de una pieza. Colocación sencilla apretando con el dedo y fácilmente extraíble con el extractor. Mucho más cómodo y seguro que la combinación de pasador y junta tórica.



C-Ring

No.	Opening (mm)	Opening (mm)	pcs.
1301C	3/8"	≤ 12	100
1302C	3/8"	> 12	100
1401C	1/2"	≤ 14	100
1402C	1/2"	> 14	100
1600C	3/4"	≤ 46	100
1801C	1"	≤ 70	100
1802C	1"	> 70	50
1700C	1-1/2"	≤ 90	50

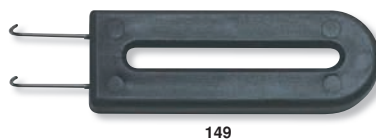


C-Ring Set

Set No.	Opening (mm)	C-Ring 10pcs.	Puller 1pce.
PK1301C	3/8"	1301C + 149	
PK1302C	3/8"	1302C + 149	
PK1401C	1/2"	1401C + 149	
PK1402C	1/2"	1402C + 149	
PK1600C	3/4"	1600C + 152	
PK1801C	1"	1801C + 152	

Puller

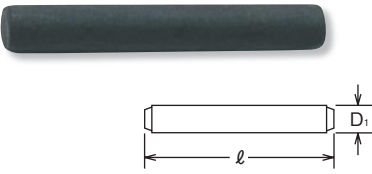
No.	Opening (mm)	Opening (mm)	pcs.
149	3/8"	1/2"	10
152	3/4"	1"	10



149

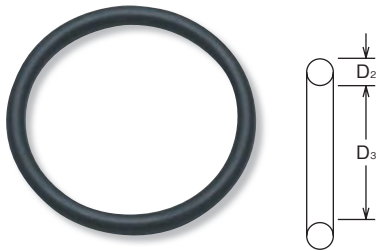


152



Pin

No.	□	Opening (mm)	D ₁ (mm)	ℓ (mm)	pcs.)
1200A	1/4"		1.5	10.2	100
1301A	3/8"	≤ 12	2.5	14.5	100
1302A	3/8"	> 12	2.5	17.5	100
1401A	1/2"	≤ 14	3.5	20	100
1402A	1/2"	> 14	3.5	25	100
1500A	5/8"		4	29	100
1601A	3/4"	≤ 46	5.5	35	100
1602A	3/4"	> 46	5.5	45	100
1801A	1"	≤ 70	6	45	100
1802A	1"	> 70	6	75	50
1701A	1-1/2"	≤ 90	7	75	50
1702A	1-1/2"	> 90	7	110	50
1901A	2-1/2"	≤ 115	9	110	50
1902A	2-1/2"	> 115	9	155	50
2001A	3-1/2"	≤ 140	13	155	1
2002A	3-1/2"	> 140	13	180	1



O-Ring

No.	□	Opening (mm)	D ₂ (mm)	D ₃ (mm)	pcs.)
1200B	1/4"		2.5	9	100
1301B	3/8"	≤ 12	3.5	13	100
1302B	3/8"	> 12	3.5	16	100
1401B	1/2"	≤ 14	4	19	100
1402B	1/2"	> 14	4	24	100
1500B	5/8"		5	28	100
1601B	3/4"	≤ 46	5	36	100
1602B	3/4"	> 46	5	45	100
1801B	1"	≤ 70	7	45	100
1802B	1"	> 70	7	75	50
1701B	1-1/2"	≤ 90	10	75	50
1702B	1-1/2"	> 90	10	114	50
1901B	2-1/2"	≤ 115	10.5	114	50
1902B	2-1/2"	> 115	10.5	158	50
2001B	3-1/2"	≤ 140	15	158	1
2002B	3-1/2"	> 140	15	183	1



HAND MANUALES Z-SERIES TITANIUM DE TITANIO ACCESSORIES ACCESORIOS SCREWDRIVERS DESTORNILLADORES IMPACT DE IMPACTO SLEEVE DRIVE INDUSTRIAL INDUSTRIALES PROTECTOR PROTECTORES AUTOMOTIVE CONSTRUCTION CONSTRUCCION RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Pins & O Rings/C-Ring Lock Clamps

Pasadores y Juntas Tóricas/Aros de Sujeción en C

IMPACT Standard Sockets	Sq. Dr.	1/4"		3/8"		1/2"		3/4"		1"		1-1/2"							
		C-Ring		1301C		1302C		1401C		1402C		1600C		1801C		1802C		1700C	
		O-Ring/Pin	1200A/B	1301A/B	1302A/B	1401A/B	1402A/B	1601A/B	1602A/B	1801A/B	1802A/B	1701A/B	1702A/B						
4		●																	
4.5	3/16	●																	
5		●																	
5.5		●																	
6	1/4	●	●																
7	9/32	●	●																
8	5/16	●	●			●													
9	11/32	●	●			●													
10	3/8	●	●			●													
11	7/16	●	●			●													
12		●	●			●													
13	1/2	●			●	●													
14	9/16	●			●	●													
15					●	●	●												
16	5/8				●	●	●												
17	11/16				●	●	●	●		●									
18					●	●	●	●		●									
19	3/4				●	●	●	●		●									
20					●	●	●	●		●									
21	13/16				●	●	●	●		●									
22	7/8				●	●	●	●		●									
23					●	●	●	●		●									
24	15/16				●	●	●	●		●									
25	1				●	●	●	●		●									
26					●	●	●	●		●									
27	1- 1/16				●	●	●	●		●									
28					●	●	●	●		●									
29	1- 1/8				●	●	●	●		●									
30	1- 3/16				●	●	●	●		●									
31					●	●	●	●		●									
32	1- 1/4				●	●	●	●		●									
33	1- 5/16				●	●	●	●		●									
34	1- 3/8				●	●	●	●		●									
36					●	●	●	●		●		●							
37	1- 7/16				●	●	●	●		●		●							
38	1- 1/2				●	●	●	●		●		●							
39					●	●	●	●		●		●							
40	1- 9/16				●	●	●	●		●		●							
41	1- 5/8				●	●	●	●		●		●							
42					●	●	●	●		●		●							
43	1- 11/16				●	●	●	●		●		●							
44					●	●	●	●		●		●							
45	1- 3/4				●	●	●	●		●		●							
46	1- 13/16				●	●	●	●		●		●							
47					●	●	●	●		●		●							
48	1- 7/8				●	●	●	●		●		●							
	1- 15/16				●	●	●	●		●		●							
50					●	●	●	●		●		●							
	2				●	●	●	●		●		●							
52	2- 1/16				●	●	●	●		●		●							
54	2- 1/8				●	●	●	●		●		●							
55	2- 3/16				●	●	●	●		●		●							
56					●	●	●	●		●		●							
	2- 1/4				●	●	●	●		●		●							
58	2- 5/16				●	●	●	●		●		●							
60	2- 3/8				●	●	●	●		●		●							
62	2- 7/16				●	●	●	●		●		●							
63					●	●	●	●		●		●							
	2- 1/2				●	●	●	●		●		●							
65	2- 9/16				●	●	●	●		●		●							
67	2- 5/8				●	●	●	●		●		●							
68	2- 11/16				●	●	●	●		●		●							
70	2- 3/4				●	●	●	●		●		●							
	2- 13/16				●	●	●	●		●		●							
	2- 7/8				●	●	●	●		●		●							
75	2- 15/16				●	●	●	●		●		●							
	3				●	●	●	●		●		●							
	3- 1/16				●	●	●	●		●		●							
80	3- 1/8				●	●	●	●		●		●							
	3- 1/4				●	●	●	●		●		●							
85					●	●	●	●		●		●							
	3- 3/8				●	●	●	●		●		●							
90	3- 1/2				●	●	●	●		●		●							
	3- 5/8				●	●	●	●		●		●							
95	3- 3/4				●	●	●	●		●		●							
100	3- 7/8				●	●	●	●		●		●							
105	4				●	●	●	●		●		●	●						
	4- 1/8				●	●	●	●		●		●	●						
110	4- 1/4				●	●	●	●		●		●	●						
115	4- 1/2				●	●	●	●		●		●	●						
120	4- 5/8				●	●	●	●		●		●	●						
	4- 3/4				●	●	●	●		●		●	●						
125	4- 7/8				●	●	●	●		●		●	●						
130	5				●	●	●	●		●		●	●						
135	5- 1/4				●	●	●	●		●		●	●						
140					●	●	●	●		●		●	●						
150					●	●	●	●		●		●	●						
	6				●	●	●	●		●		●	●						
	6- 1/2				●	●	●	●		●		●	●						

Industrial Sockets

1/4"

3/8"

1/2"



Industrial Sockets 1/4"

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

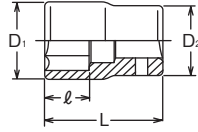
PROTECTOR
PROTECTORES



AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

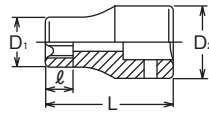
RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO



22400M 6-point Sockets Vasos Hexagonales



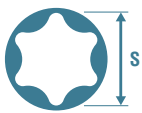
22400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10

22425 TORX® Sockets Vasos TORX®



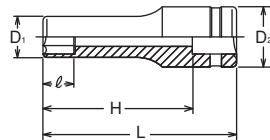
22425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10



TORX® (E)





E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

22300M · 22300A 6-point Sockets, Deep Vasos Hexagonales, largos



22300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
7	10.5	11.2	8	40	50	24	10
8	11.8	11.2	9	40	50	28	10
10	14.3	12.9	11	39	50	33	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	50	10

22300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
1/4	9.8	11.2	7	40	50	24	10
5/16	11.8	11.2	9	40	50	28	10
3/8	13.7	12.5	11	40	50	33	10



INDUSTRIAL sockets are thin walled sockets and to be used on electric or pneumatic nut runners for assembly work only.

Los vasos INDUSTRIALES son vasos de pared delgada para su utilización con herramientas eléctricas o neumáticas solamente para trabajos de montaje.

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

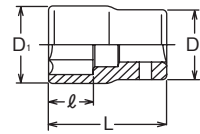
RENEWAL KITS
JUEGOS DE REPARACION

23400M • 23400A

6-point Sockets
Vasos Hexagonales

23400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	9.3	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10
21	28	26	14.5	32	77	10

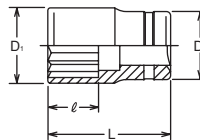
23400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.3	6.9	26	22	10
3/8	13.9	17.3	8	26	22	10
7/16	15.8	17.3	9.3	26	25	10
1/2	18	17	9.4	26	24	10
9/16	19.5	18.5	11	27	31	10
11/16	24.6	22.5	13	30	51	10
3/4	26	23.5	13.5	30	63	10



23405M

12-point Sockets
Vasos Bihexagonales

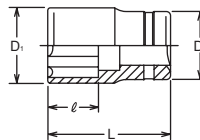
23405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
14	19.5	18.5	11	27	31	10



23410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

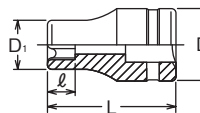
23410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10



23425

TORX® Sockets
Vasos TORX®

23425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18.1	17	11.8	26	27	10



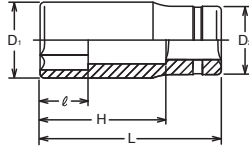
TORX®
(E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

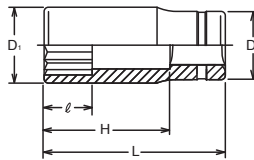
23300M • 23300A  6-point Sockets, Deep
Vasos Hexagonales, largos



23300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	55	79	10
17	23.5	22	18	40.5	55	96	10
18	24.5	23	19	39.5	55	96	10
19	25	24	20	39.5	55	102	10

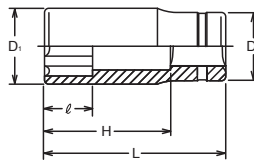
23300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.4	9	41.5	55	45	10
3/8	14	17.4	11	41.5	55	51	10
7/16	16	17.2	12	41.5	55	55	10
1/2	18	17	14	41.5	55	57	10
9/16	20	18	16	41.5	55	68	10
11/16	23.5	22	18	40.5	55	96	10
3/4	25	24	20	39.5	55	102	10

23305M  12-point Deep Sockets
Vasos Bihexagonales Largos



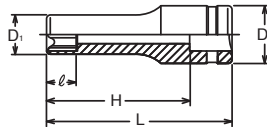
23305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
14	20	18	16	41.5	55	68	10

23310M  Surface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos



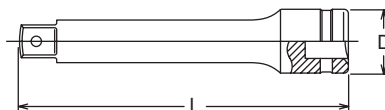
23310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	80	10
17	23.5	22	18	40.5	55	96	10

23325  TORX® Deep Sockets
Vasos TORX®, largos



23325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 5	6.9	17.4	5.2	41.5	55	50	10
E 6	7.9	17.4	5.4	41.5	55	52	10
E 7	8.9	17.4	6.6	41.5	55	55	10
E 8	9.9	17.4	7	41.5	55	58	10
E10	11.8	17.2	8.2	41.5	55	60	10
E12	14.5	17.2	9.3	41.5	55	68	10
E14	15.7	17.2	10.6	41.5	55	77	10
E16	18	17	11.8	41.5	55	80	10

23760-75P • -125P • -250P Extension Bars
Alargaderas



23760	D (mm)	L (mm)	(g)	(pcs.)
75P	18	75	70	10
125P	18	125	110	10
250P	18	250	200	5

24400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
20	27.9	26	15	38	92	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.9	30	17	42	140	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
32	42.8	38	23	46	250	5

24400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	5

24405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
14	20.3	22	11	37	56	10
17	24.1	23	12.5	37	69	10
19	26.6	25	14	38	89	10

24410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
24	32.9	30	17	42	140	5

24425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E10	13.2	21	8.2	36	68	10
E12	14.6	21	9.3	37	70	10
E14	16.5	21	10.6	37	75	10
E16	19	21.9	11.8	37	80	10
E18	20.3	21.9	13	37	83	10
E20	22.9	22	14.4	37	121	10

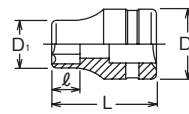
TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

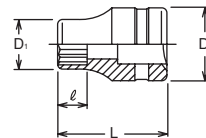
24400M • 24400A

6-point Sockets
Vasos Hexagonales



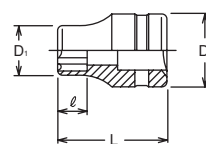
24405M

12-point Sockets
Vasos Bihexagonales



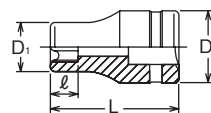
24410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



24425

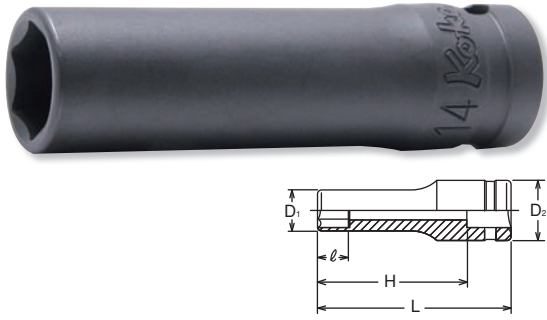
TORX® Sockets
Vasos TORX®



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

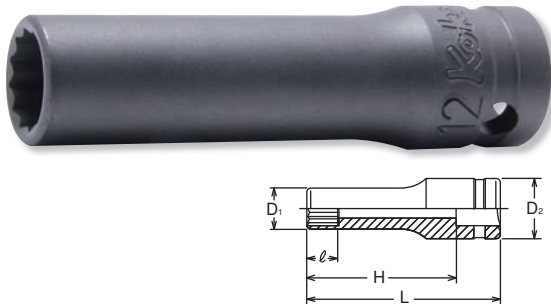
24300M • 24300A  6-point Sockets, Deep
Vasos Hexagonales, largos



24300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
11	16.5	21	12	59	77	95	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	164	10
19	26.5	25	20	58	77	177	10
20	27.8	26	21	58	77	178	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	252	10
27	36.5	33	28	56	77	303	10
30	40	36	34	55	77	342	10
32	42.8	38	34	55	77	405	10

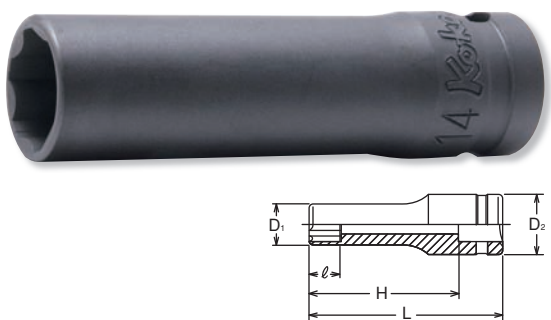
24300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	12	59	77	95	10
1/2	19	21.8	14	59	77	107	10
9/16	20.3	21.8	16	59	77	118	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	150	10
11/16	25	24	19	59	77	164	10
3/4	26.5	25	20	58	77	177	10
13/16	29	27	23	58	77	187	10
15/16	32.8	30	27	57	77	252	10

24305M  12-point Deep Sockets
Vasos Bihexagonales Largos



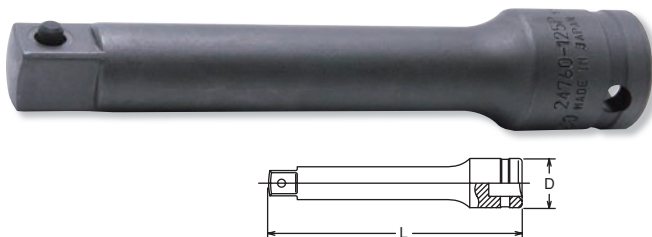
24305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
14	20.3	21.8	16	59	77	118	10
17	24	23	18	59	77	150	10
19	26.5	25	20	58	77	177	10

24310M  Surface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos



24310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	160	10
19	26.5	25	20	58	77	177	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	250	10

24760-75P • -125P • -250P Extension Bars
Alargaderas



24760	D (mm)	L (mm)	(g)	(pcs.)
75P	24	75	140	10
125P	24	125	200	5
250P	24	250	370	5

3/8"

1/2"

Sockets with Turnable Plastic Protectors



Plastic Protector
Protectores Plásticos

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



Safety

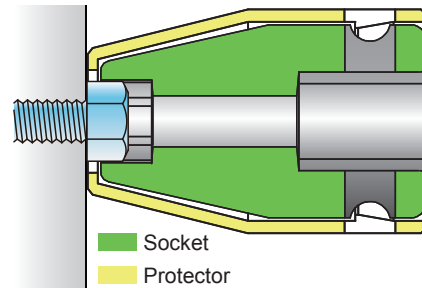
Turnable plastic protector increases operator's safety during assembly process.



Scratch proof

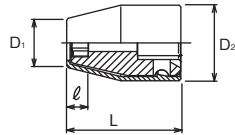
Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.

Protector series are make-to-order manufacturing



3/8" 1/2" Plastic Protector Protectores Plásticos

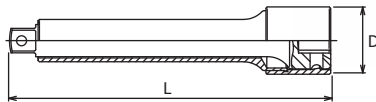
	13400M (FR)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)
New	8FR	15.7	22	6	33.3	40
New	10FR	18.2	22	7	33.3	40
New	12FR	20.8	22	9	33.3	43
New	14FR	23.6	25	10	33.3	56
New	13FR	21.8	25	10	33.3	56
New	16FR	26.1	25	11	33.3	57
New	17FR	27.3	25	12	33.3	60



13400M-FR 6-point Sockets Vasos Hexagonales



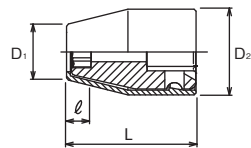
	13760 (FR)	D (mm)	L (mm)	⚖️ (g)
New	125P.FR	26.2	125	145
New	250P.FR	26.2	250	220



13760-125P.FR/-250P.FR Extension Bars Alargaderas



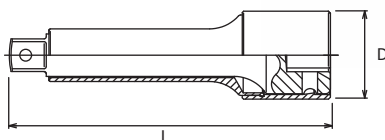
	14400M (FR)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)
New	10FR	19.5	28	7	39.3	90
New	12FR	22	28	9	39.3	90
New	13FR	23.2	28	10	39.3	90
New	14FR	24.8	28	11	39.3	90
New	16FR	27	33	10	39.3	135
New	17FR	28.2	33	12	39.3	135
New	19FR	31	33	13	39.3	130



14400M-FR 6-point Sockets Vasos Hexagonales



	14760 (FR)	D (mm)	L (mm)	⚖️ (g)
New	125P.FR	34.2	125	280
New	250P.FR	34.2	250	480



14760-125P.FR/-250P.FR Extension Bars Alargaderas



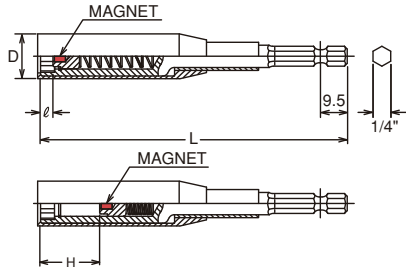
HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Plastic Protector
Protectores Plásticos

115G-100FR/-150FR/-200FR



Nut Setters with Sliding Magnet
Vasos para tuercas con Imán Corredizo



	115G-100 (FR)	D (mm)	ℓ (mm)	H (mm)	L (mm)	⚖️ (g)
New	8FR	15.1	4	26	100	55
New	10FR	16.9	4.5	26	100	60
New	12FR	19.3	6	26	100	80
New	14FR	21.3	7	24	100	85

	115G-150 (FR)	D (mm)	ℓ (mm)	H (mm)	L (mm)	⚖️ (g)
New	8FR	15.1	4	26	150	75
New	10FR	16.9	4.5	26	150	80
New	12FR	19.3	6	26	150	100
New	14FR	21.3	7	24	150	110

	115G-200 (FR)	D (mm)	ℓ (mm)	H (mm)	L (mm)	⚖️ (g)
New	8FR	15.1	4	26	200	90
New	10FR	16.9	4.5	26	200	100
New	12FR	19.3	6	26	200	125
New	14FR	21.3	7	24	200	135

REPLACEMENT

Remove a damaged Protector and put a new Protector on Socket / Extension bar by pressing.
For your safety, worn out or cracked Protector must be replaced.



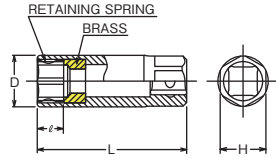
Specifications or design of any product in this catalogue are subject to change without notice.


Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.


Automotive Tools



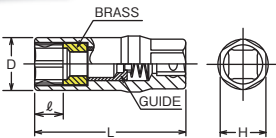
3300C · 4300C  Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas



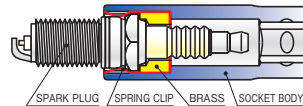
3300C (mm)		D (mm)	ℓ (mm)	L (mm)	H (mm)	(g)	(pcs.)
13	3/8"	17.5	11	70	17	66	10
14		19	11	70	17	82	10
16		20.5	13	70	17	91	10
18		23.9	12	70	21	140	10
20.8		26.9	13.5	70	22	132	10

4300C (mm)		D (mm)	ℓ (mm)	L (mm)	H (mm)	(g)	(pcs.)
16	1/2"	21	13	70	21	101	10
18		23.9	12	70	21	132	10
20.8		26.9	13.5	70	22	130	10

3300CB  Spark Plug Socket (BMW)
Llave de Bujía (BMW)

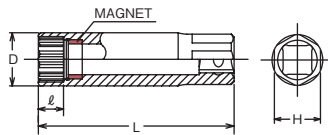



3300CB (mm)		D (mm)	ℓ (mm)	L (mm)	H (mm)	(g)	(pcs.)
16	3/8"	22.8	13	65	19	118	10



SPARK PLUG SOCKETS with SPRING CLIP
An internal brass guide holds the clips in place, which ensures perfect alignment of the spark plug into the threaded plug hole of the cylinder head, thus preventing thread damage.
The brass guide also eliminates stress loading and possible damage to the ceramic insulator of the spark plug.

3305P  Spark Plug Socket with Magnet, 12-point Opening
Llaves de bujía con Imán, Boca Bihex

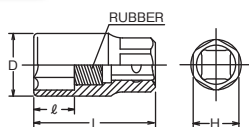



3305P (mm)		D (mm)	ℓ (mm)	L (mm)	H (mm)	(g)	(pcs.)
14	3/8"	19	8	70	17	87	10
New 16		20.5	8	70	17	100	10


Spark Plug Socket with Magnet, 12-pt. opening: 3305P-14



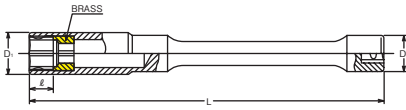
3300S · 4300S  Spark Plug Sockets with Rubber
Llaves de bujía con Goma







3300S (mm)		D (mm)	ℓ (mm)	L (mm)	H (mm)	(g)	(pcs.)
16	3/8"	20.9	19	70	17	100	10
18		23.9	21	70	21	145	10
20.8		26.9	27	70	22	140	10

4300S (mm)		D (mm)	ℓ (mm)	L (mm)	H (mm)	(g)	(pcs.)
16	1/2"	21	19	70	21	100	10
18		23.9	21	70	21	130	10
20.8		26.9	27	70	22	135	10

3300C-180 · -250  Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

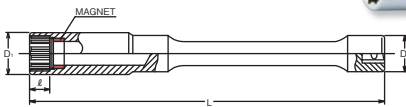


3300C.180 (mm)		D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)
14		19	18	11	180	205	5
16		20.5	18	13	180	220	5
20.8		26.9	18	13.5	180	260	5

3300C.250 (mm)		D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)
14		19	18	11	250	271	5
16		20.5	18	13	250	290	5
20.8		26.9	18	13.5	250	340	5





3305P-250  Spark Plug Socket with Magnet, 12-point Opening
Llave de bujía con Imán, Boca Bihex





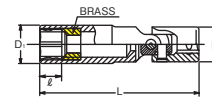
3305P.250 (mm)		D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)
14		19	18	8	250	250	5

3340C · 4340C

 Universal Spark Plug Sockets with Spring Clips
Llaves de bujía con Presillas con Articulación Universal

3340C (mm)		D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)
14		19	19	11	88	109	10
16		21	19	13	88	122	10
18		23.9	19	12	88	145	10
20.8		26.8	19	13.5	88	174	10

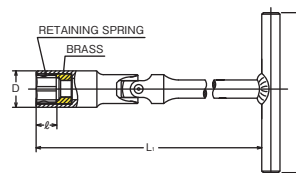
4340C (mm)		D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)
16		21	25	13	100	220	10
20.8		26.8	25	13.5	100	250	10



127C  T-type Universal Spark Plug Socket Wrench
Llave de Bujías en T con Articulación Universal



127C.315 (mm)	D (mm)	l (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pcs.)
14	19	11	315	150	520	1
16	21	13	315	150	530	1
18	23.9	12	315	150	590	1
20.8	26.8	13.5	315	150	590	1



HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

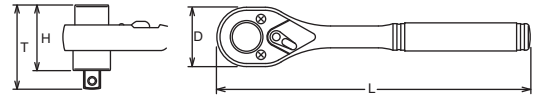
RENEWAL KITS
JUEGOS DE PIEZAS/REPUES
CONSTRUCCION

3751N Torque Ratchet for Spark Plugs
Llave de Bujías Dinamométrica



TORQUE RATCHET

The torque is set at 25Nm. When the torque is loaded higher than 25Nm, the gear slips and no increased torque is transmitted. Cylinder heads and spark plugs are protected by this mechanism.



3751J Torque Ratchet for Spark Plugs
Llave de Bujías Dinamométrica



		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3751N-25		34	57	43	178	320	1
3751J-25		34	57	43	178	320	1

3225A Set for Torque Controlled Installation of Spark Plugs
Juego de Llaves de Bujías Dinamométricas

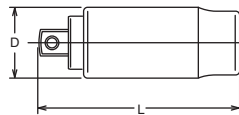


3225A		4 Pieces Set/△=960g	
METAL CASE:W215xH80xT47mm			
Sockets		Accessories	
	3300C Spark Plug Sockets 16, 20.8		3751J-25
			3763-125

3701-20Nm · -30Nm Torque Adaptors 20Nm / 30Nm
Adaptadores de Par 20Nm / 30Nm



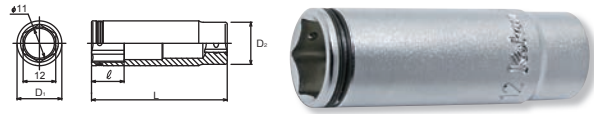
3701		D (mm)	L (mm)	(g)	(pce.)
20Nm		25.5	75	178	1
30Nm		28	75	220	1



2350G-PSG (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
12	1/4"	23.9	19	12	88	145	10

2350G-12PSG

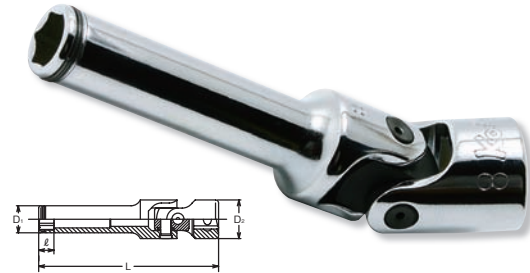
Sockets for PSG-Glow Plugs
Vasos para PSG-Bujías de pre-calentamiento



3341G.70 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	3/8"	14.5	19	6	70	76	10
11		15.8	19	6	70	80	10
12		17	19	6	70	85	10

3341G-70 · -89

Universal Glow Plug Sockets with NUT GRIP®
Llaves de Calentador con Articulación Universal con Sujeta-Tuerca (Nut Grip®)



3341G.89 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	3/8"	12	19	7.5	89	82	10
9		13.3	19	7.5	89	87	10
10		14.5	19	6	89	92	10
12(DP52)		17	19	6	89	101	10

GLOW PLUG SOCKETS, NUT GRIP®

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.

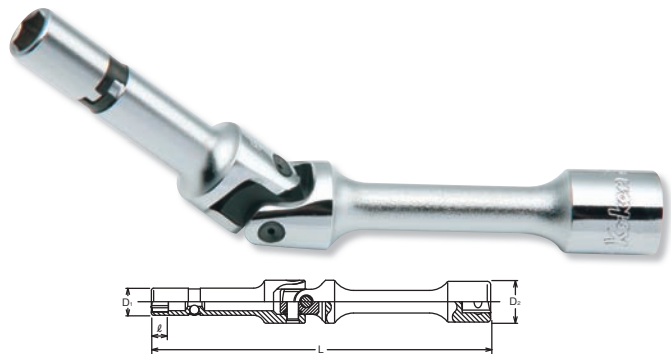
El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable



3342G.150 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	3/8"	12	18	7.5	150	137	10

3342G-150

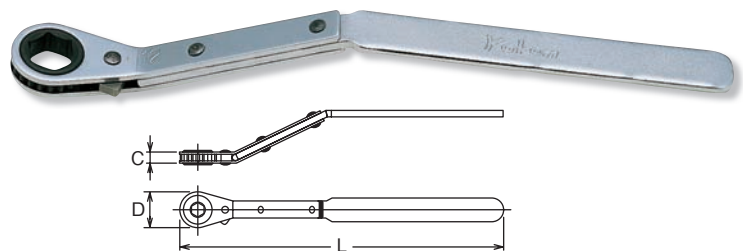
Deep length universal Glow Plug Socket
Llave de Calentador Larga con Articulación Universal



144KM (mm)	L (mm)	D ₁ (mm)	C (mm)	(g)	(pce.)
8	200	22.7	7.5	95	1
12	200	22.7	7.5	102	1

144KM

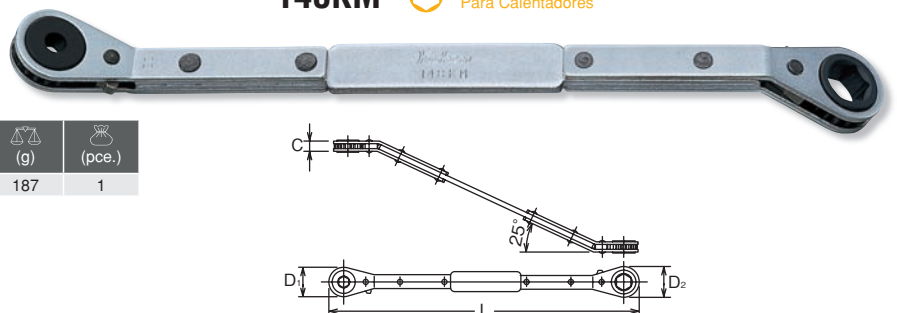
For Glow Plugs
Para Calentadores



148KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pce.)
8Sx12	245	23.6	24.6	9	187	1

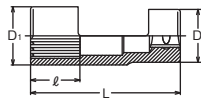
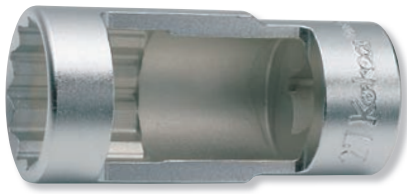
148KM




For Glow Plugs
Para Calentadores



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

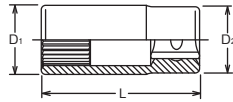
SP4305M-77  Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel




SP4305M.77 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
27	1/2"	36.5	33	28	77	212	10

SP4305M.77-27
For fuel injection pump of BMW diesel cars.

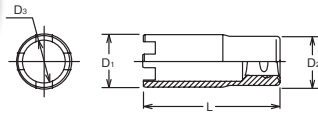
4133  Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel



4133		D ₁ (mm)	D ₂ (mm)	L (mm)	 (g)	 (pcs.)
4133	1/2"	23.9	23	55	86	10

4133
For fuel injection pump of M.B diesel cars.

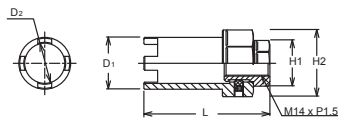
4122-72  Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel



4122.72 (mm)		D ₁ (mm)	D ₂ (mm)	D ₃ (mm)	L (mm)	 (g)	 (pcs.)
22	1/2"	28.5	27	22	72	150	10

4122.72-22
For M.B Trucks, Holder nut of injection post.

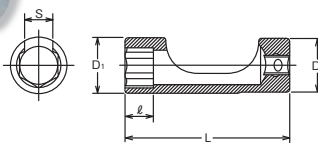
SP4122-69  Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel






SP4122.69 (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
22	1/2"	28.4	22	22	32	69	185	5

SP4122.69
For M.B Trucks, Holder nut of injection post.

3300FN  Flare Nut Sockets
Llaves de vaso para entubar



3300FN (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	S (mm)	 (g)	 (pcs.)
8	3/8"	14.5	17.3	6	53	6.4	38	10
9		16	17.3	7	53	6.8	41	10
10		16.8	17.2	7.5	53	7.2	42	10
11		18	17	8.5	53	8.3	42	10
12		20	18	9	53	8.8	50	10
13		21.1	20	9.5	62	9.4	66	10
14		22	20	10.5	62	10.5	66	10
15		23	22	11	70	11.5	82	10
16		24	23	11.5	70	12	90	10
17		25	24	12.5	80	13	110	10
18		27	25	13	80	13.5	120	10
19		28	26	14	80	14.5	130	10
22	32	29.5	16	80	16	180	10	
24	34.5	31.5	17	80	17	200	10	

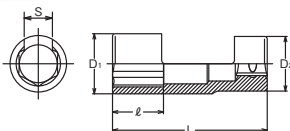
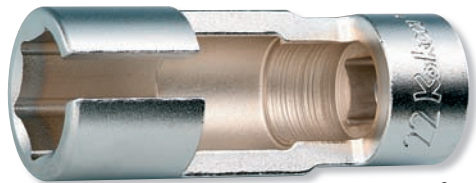
RS3300FN/6	6 Pieces Set/Rail 150mm						 (g)
	8, 10, 12, 14, 17, 19						450




RS3300FN/6  Socket Set on Rail
Juego de Vasos en Regleta



SP4300M-85  Special socket for Lambda Probes
Vaso Especial para Sensores Lambda

SP4300M-110 



SP4300M.85-22		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	S (mm)	 (g)	 (pcs.)
SP4300M.85-22	1/2"	33	30	29	85	8	228	10
SP4300M.110-22	1/2"	33	30	34	110	8	279	10



FLARE NUT SOCKET
Socket for Lambda Probes
Open section allows for use with wire/connector.

4300H (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H ₁ (mm)	L (mm)	H ₂ (mm)	(g)	(pcs.)
24	1/2"	32.5	27	17	40	57	24	157	10
26		35	27	19	40	57	24	170	10
27		36.1	27	19.5	40	57	24	175	10

4300H series
Removes and installs oil pressure switches

4300H (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
27(8P)	1/2"	34	27	18.5	37	57	152	10

4300H(8P) series
Socket for Switches, Mercedes Benz and MAN

4010M.100 (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8(12P)	1/2"	23	63.5	100	132	10
10(12P)		23	63.5	100	135	10

4010M.120 (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8(12P)	1/2"	23	83.5	120	151	10
10(12P)		23	83.5	120	155	10

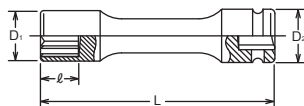


Cylinder head bolt socket for TOYOTA
4010M(12P) is Double Hex bit socket.
XZN(Triple Square) bit socket has different shape.

ST4027.140 (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
ST4027.140	1/2"	23	103.5	140	155	10



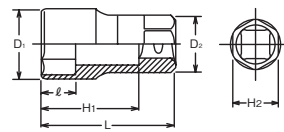
Head Bolt Bit Socket for VW/AUDI
ST4027-140 can not substitute with 3027, 4027-CV bit series.



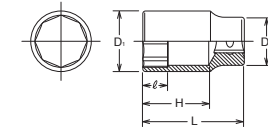
13145M.150 (12P) (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	3/8"	15.8	19	10	150	120	1	*1
12		18.3	19	12	150	128	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A+B → P238-239

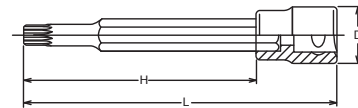
4300H Oil Pressure Switch Sockets
Vasos para Presostatos de Aceite



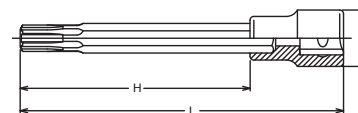
4300H (8P) 8-point Socket
Vaso Octagonales



4010M-100 · -120 (12P) Bit Sockets for Double Inhex Screws (12-point)
Vasos con Punta para Tornillos Doble Inhex (Bihex)



ST4027-140 Head Bolt Bit Socket for VW/AUDI
Vasos con Punta para Perno de Culata VW/AUDI



13145M-150 · -200 (12P) Extra Long Sockets
Vasos Extra-Largos



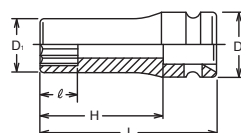
13145M.200 (12P) (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	3/8"	15.8	19	10	200	151	1	*1
12		18.3	19	12	200	159	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

16305M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	3/4"	26.3	44	14	74	100	500	2	*1
17		30	44	17	74	100	544	2	*1
19		32.5	44	19	74	100	655	2	*1
22		36.3	44	22	74	100	700	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A+B → P238-239

16305M 12-point Sockets, Deep
Vasos Bihexagonales Largos



HAND
MANUALES
Z-SERIES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPLUSTO

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

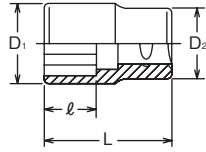
INDUSTRIAL
INDUSTRIALES



PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO
CONSTRUCCIÓN

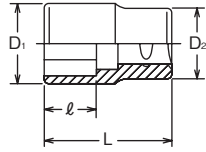
4109M  Double Square Sockets
Vasos Octagonales



4109M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
14		26.8	26	11	38	110	10
17		30	28	12.5	40	140	10
19		31.5	29	14	40	150	10
21.5		35	32	16	40	170	10
23		37	34	16.5	43	180	10

4109M series
For Lubrication service

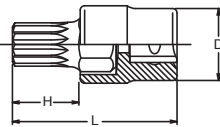
4111M  6-point Socket
Vaso Hexagonales




4111M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
24		32	30	17	40	133	10

4111M
For Lubrication service

4020-60 (MH)  Bit Socket for XZN-Screws with hole
Vaso con Punta para Tornillos XZN con agujero

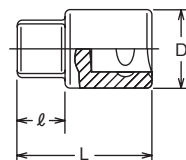




4020.60 (XZN)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
MH16		24	20	60	135	10





4020-60-MH16
Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

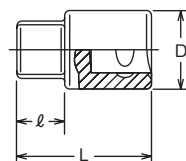
3110M · 3110A  4-point Male Sockets
Vasos con Macho Cuadrado






3110M (mm)		D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
6		18	10	28	30	10
8		18	10	28	30	10
10		18	10	28	33	10
12		18	10	28	37	10

3110A (inch)		D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5/16		18	10	28	30	10
3/8		18	10	28	33	10
1/2		18	10	28	37	10

4110M · 4110A  4-point Male Sockets
Vasos Macho Cuadrado



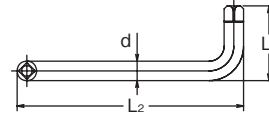
4110M (mm)		D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8		24	10	32	57	10
10		24	10	32	62	10
10.5		24	10	32	64	10
12		24	10	32	64	10
13		24	10	32	66	10
13.5		24	10	32	67	10
19		25	15	37	101	10
20		26	15	37	114	10


4110A (inch)		D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
3/8		24	10	32	62	10
1/2		24	10	32	64	10

158  For Lubrication Service
Para Lubricación

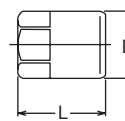



158 (mm)	L ₁ (mm)	L ₂ (mm)	d (mm)	(g)	(pcs.)
8Sx10S	63	230	13	319	1



3012M.25 (mm)		D (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	25	30	10
17		19	25	30	10




3012M-25  Inhex Sockets
Vasos con Punta Hexagonal



4202 7 Pieces Set/  =426g

METAL CASE:W190xH59xT45mm



Sockets

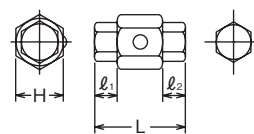
-   **106 Drain Plug Keys**
8Sx10S, 8Hx3/8H, 10Hx11H, 12Hx13H, 14Hx17H, 19H
-  **4102 Drain Plug Key Adaptor**

4202 Drain Plug Keys Set
Juego de Llaves de Tapón de Vaciado




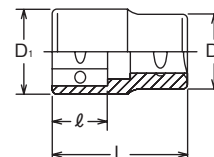
106 (mm)	H (mm)	l ₁ (mm)	l ₂ (mm)	L (mm)	(g)	(pcs.)
8Sx10S	17	8	8	32	40	10
8Hx3/8H	17	8	8	32	38	10
10Hx11H	17	8	8	32	42	10
12Hx13H	17	8	8	32	47	10
14Hx17H	17	8	8	32	55	10
19H	17	-	8	24	49	10


106   4-point / 6-point Male bits
Puntas Macho Cuadrado / Hexagonal



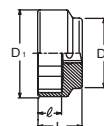
4102 (mm)		D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)
17	1/2"	25	24	16	40	82	10

4102  Adaptor for 106 Drain Plug Key
Adaptador para llave de tapón de Vaciado 106



3400M.24 (mm)		D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)
27	3/8"	36.5	21.5	13.5	24	76	10
30		40	25	13.5	24	91	10
32		42.8	28	13.5	24	108	10
36		47.2	32	13.5	24	135	10

3400M-24  6-point Sockets
Vasos Hexagonales



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPOSTO

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES



AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

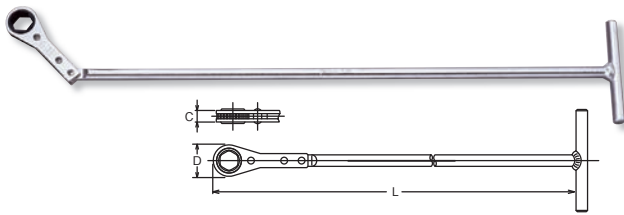
CONSTRUCTION
CONSTRUCCIÓN



1206  Push and Pull-Ratchet Set
Juego de Llave de Carraca de Empuje y Tracción



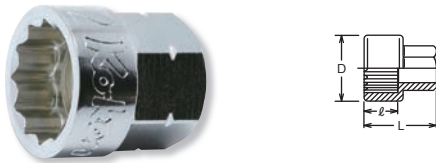
1206		3 Pieces Set/  =320g
CARDBOARD BOX		
Sockets		Accessory
 150.14H Sockets 12, 14	154K-14	



154K  Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción



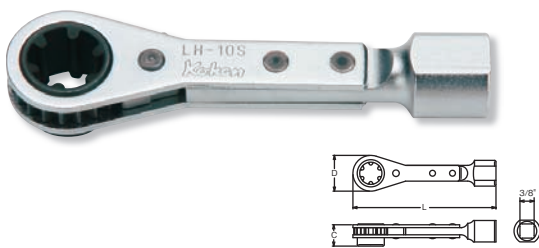
154K (mm)	L (mm)	D (mm)	C (mm)	 (g)	 (pcs.)
14	480	24.6	9	280	1





150-14H  Socket, For 154K
Vasos

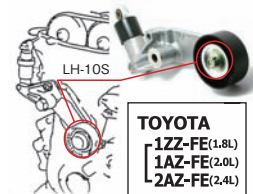


150.14H (mm)	D (mm)	l (mm)	L (mm)	 (g)	 (pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10

145LH3/8F  Belt Tension Pulley Wrench 




145LH3/8F (LH-S)		L (mm)	D (mm)	C (mm)	 (g)	 (pcs.)
10S		100	25	15.5	90	10



Belt Tension Pulley Wrench
For LH-10S bolt on TOYOTA engines 1ZZ (1.8L), 1AZ (2.0L) and 2AZ (2.4L), belt tension pulley.

TOYOTA
1ZZ-FE(1.8L)
1AZ-FE(2.0L)
2AZ-FE(2.4L)

 This item has less strength due to the special design.

4282 Generator Service Set

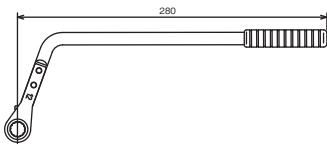


4282		4 Pieces Set/  =449g
PLASTIC BAG		
Sockets		
 4020.100-M10 4020.140-M10		
 4025.100R-T50		
 185		



Generator Service Set
For removing and installing belt pulley at the generator.

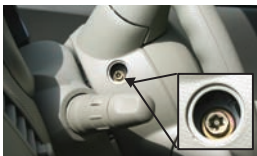
1210 • 1210E Door Hinge Wrench Set
Juego de Llave de Bisagra de Puerta



1210 8 Pieces Set/⚖️=450g	
PLASTIC BAG	
Sockets	Accessory
179B.12H Sockets 10, 12	145KD-12
179B.12H XZN Bits M6, M8, M10, M12	
179B.12H TORX® Bit T45	

1210E 11 Pieces Set/⚖️=460g	
PLASTIC BAG	
Sockets	Accessory
179B.12H Sockets 10, 12, 13	145KD-12
179B.12H XZN Bits M8, M10, M12	
179B.12H TORX® Bits T40, T45, T50	
179B.12H Hex Bit 8	

3247 4 Pieces Set/⚖️=385g	
PLASTIC BAG	
Sockets	
3025.160 Tamper-resistant TORX® Bit Sockets T27H, T30H, T40H, T50H	



For Air Bag
For air-bag unit in hard to reach places in or around the steering wheel.

Tamper Resistant TORX® Bit Sockets have less strength.

3247 Bit Socket Set
Juego de Vasos con Punta ⚠️



3300M/4-L120 4 Pieces Set/⚖️=477g	
PLASTIC BAG	
Sockets	
3300M(L120) 6-pt. Extra Deep Sockets 8, 10, 12, 14	

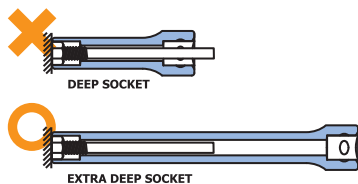


BUMPER BOLT



DOOR HINGE

Extra Deep Socket
Extra deep socket can be used to fasten or loosen longer bolts such as Bumper bolt and Door hinge etc.

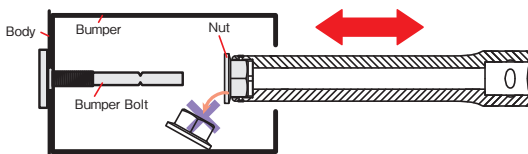


3300M/4-L120 Socket Set
Juego de Vasos



3350M/2-L120 2 Pieces Set/⚖️=230g	
PLASTIC BAG	
Sockets	
3350M(L120) Nut Grip Extra Deep Sockets 10, 12	

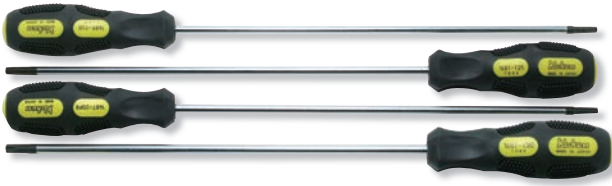
Nut Grip Extra Deep Socket



3350M/2-L120 Socket Set
Juego de Vasos



1212   Screwdriver Set
Destornilladores, juego de 4 piezas



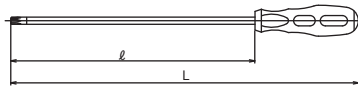
1212 4 Pieces Set  =380g
PLASTIC BAG



Screwdrivers				
	168T(250) 20PR			
	168T(250) T20, T25, T30			





Long shank Screw Screwdriver

168T (250)   Screwdrivers
Destornilladores

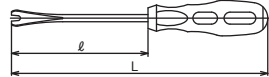


168T(250) (PR)	ℓ (mm)	L (mm)	 (g)	 (pce.)
20PR	250	350	85	1

168T(250) (T)	ℓ (mm)	L (mm)	 (g)	 (pce.)
T20	250	350	85	1
T25	250	350	85	1
T30	250	360	120	1



169/2 Door Trim Pad Tool, 2 pieces Set
Herramienta de Forro de Puerta, juego de 2 piezas

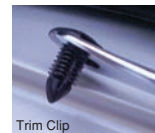
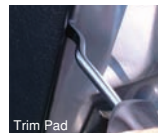
169 Door Trim Pad Tool
Herramienta de Forro de Puerta



169/2 2 Pieces Set  =200g
PLASTIC BAG

Clip Handles				
	169			
	6, 10			

169	ℓ (mm)	L (mm)	 (g)	 (pcs.)
6	115	215	80	2
10	120	230	110	2

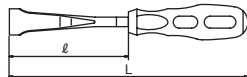




Trim Pad

Trim Clip

Clip Handle

169WM Window Molding Remover
Extractor de Bureletes de Ventana

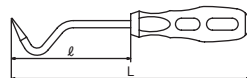




	ℓ (mm)	L (mm)	 (g)	 (pcs.)
169WM	100	210	90	2



Window Molding Remover

169HR Hose Remover
Extractor de Mangueras

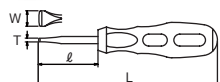




169HR	ℓ (mm)	L (mm)	 (g)	 (pcs.)
A	100	200	75	2



Hose Remover

169BP For Battery Screws



169BP	TxW (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
1.8x13	1.8x13	50	150	60	2



For Battery screw



Quick Fastener

4425 (E)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E10N	1/2"	13.2	21	8.2	36	47	10
E12N		14.6	21	9.3	37	48	10
E14N		16.5	21	10.6	37	50	10
E16N		19	22	11.8	37	60	10
E18N		20.3	22	13	37	60	10
E20N		22.8	22	14.4	37	65	10

RS4425/6-N	6 Pieces Set/Rail 200mm	(g)
E10N, E12N, E14N, E16N, E18N, E20N		370



Engine type : QR/MR
Flywheel bolt for NISSAN : E20N

13145A.150 (inch)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
9/16(D20)	3/8"	20	19	13	150	130	1	*1

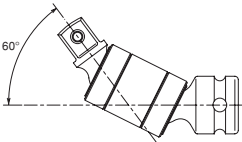
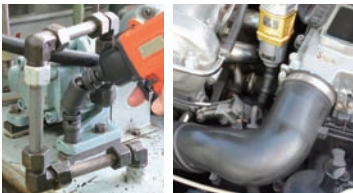
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P238-239

14145A.150 (inch)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
9/16(D20)	1/2"	20	25	13	150	200	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239
For Land Rover Prop Shaft

		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13772-P	3/8"	22	19	75	120	5	*1
14772-P	1/2"	27	25	90	230	1	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

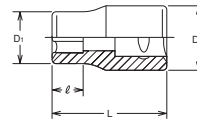


14305M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
30	1/2"	42	30	30	63	85	457	10	*2
32		44.5	30	32	63	85	542	10	*2
36		49.5	30	36	61	85	635	2	*2

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239



4425-N TORX® Sockets For Nut/Low Profile Head Bolt

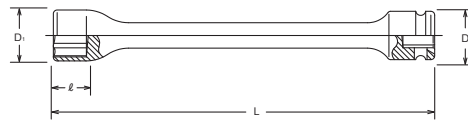


RS4425/6-N Socket Set on Rail Juego de Vasos en Regleta



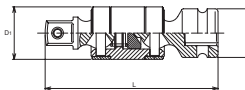
13145A-150 Extra Long Sockets Vasos Extra-Largos

14145A-150

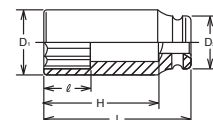


13772-P Universal Double Joint Articulación Universal

14772-P

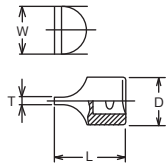


14305M 12-point Deep Sockets Vasos Bihexagonales Largos



4101 • 6101

☐ Sockets for Slotted Heads
Vasos para Cabeza Ranurada

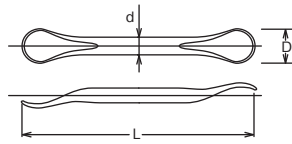


4101	☐	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
1	1/2"	2.7×18.6	22	40	59	10
2		3.7×24	24	40	79	10
3		3.7×30	30	40	128	10

6101	☐	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6101	3/4"	6.4×33.5	35	50	205	10

155

Tyre Lever
Llave de Neumáticos

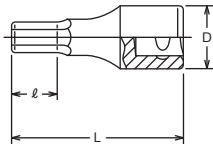


155	D (mm)	d (mm)	L (mm)	(g)	(pcs.)
155	22	10	170	100	10

For Motor Cycles

4012M-43

☐ Inhex Sockets
Vasos Inhex



4012M.43 (mm)	☐	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
20	1/2"	26	11.5	43	130	10
21		26	11.5	43	140	10
22		26	11.5	43	145	10
24		28	11.5	43	170	10
27		32	11.5	43	226	10

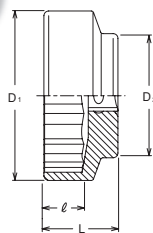


4400M-DU

☐ Rear Wheel Nut Socket

4405M-DU

☐



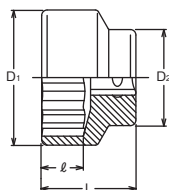
4400M	☐	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
41DU	1/2"	53	45	15	28	240	5
46DU		59	48	15	28	280	5

4405M	☐	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
36DU	1/2"	47.3	41	15	28	200	5
55DU		71	52	16	31	410	5



6405A-MV

☐ Rear Wheel Nut Socket



6405A	☐	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
2.3/16MV	3/4"	74.6	53	23	52	790	2



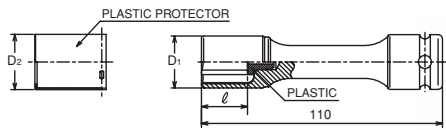
For: MV AGUSTA

Rear Wheel Nut

14201M 14145PM-110

Wheel Nut Sockets Set
Juego de Vasos para Rueda

Wheel Nut Sockets
Vasos para Rueda



14201M 3 Pieces Set/△=690g

CARDBOARD BOX:W125xH95xT34mm

Sockets

14145PM.110 Impact Wheel Nut Sockets
17, 19, 21

14145PM.110 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	Shaft Color	(g)	(pcs.)	
17		23.7	25.2	21	Blue	208	5	*1
19	1/2"	25.7	27.2	23	Red	219	5	*1
21		27.5	29	25	Yellow	226	5	*1
22		29	30.5	26	White	238	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239



Impact Wheel Nut Sockets-Extra Thin wall
Special design for wheel nut work.

-110mm length gives socket extra reach for nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts where access to nut is very tight.

-Blue (17mm), Red (19mm), Yellow (21mm) and White (22mm), colour coded shafts make size identification easy.

-Plastic insert helps prevent damaged to wheel nut.

⚠ Please note that thin walled design is only for wheel nut work and Torque rating is limited.

198-17 : Spare Plastic Protector for 14145PM.110-17 : 10 pcs.

198-19 : Spare Plastic Protector for 14145PM.110-19 : 10 pcs.

198-21 : Spare Plastic Protector for 14145PM.110-21 : 10 pcs.

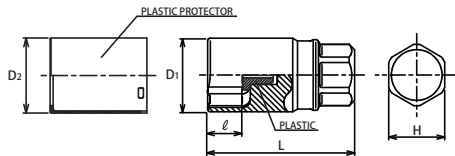
198-22 : Spare Plastic Protector for 14145PM.110-22 : 10 pcs.



A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.
The socket size and Ko-ken mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

280PM

Adaptor Socket for Low Profile Wheel Nut
Vaso Adaptador para tuercas de Llantas de perfil bajo



280PM (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	H (mm)	Shaft Color	(g)	(pcs.)
New 19	25.7	27.2	13	52	19	Red	150	5
New 21	27.5	29	13	55	21	Yellow	180	5

Designed for Low Profile Wheel nut socket.

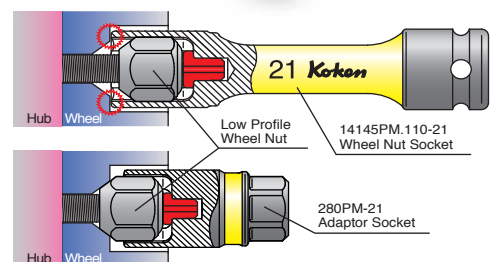
Detachable plastic protector is fitted to the adaptor to prevent damage to painted or surface treatment area on the wheel.

The Plastic insert locate inside of the adaptor helps prevent damage to wheel nut. Colour coded band make size identification easy.

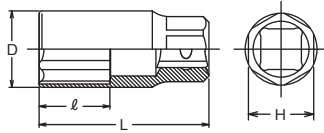
Diseñado para Vasos de Tuercas de Llantas de perfil bajo





Protector plástico desmontable es ajustado al adaptador para proteger la superficie pintada o con recubrimiento superficial de la llanta

El inserto plástico localizado dentro del adaptador, protege la tuerca de la llanta La banda coloreada consigue una fácil identificación de la medida




4300M (L60)  Wheel Nut Sockets (Long)
Vasos para Ruedas (Largos) 



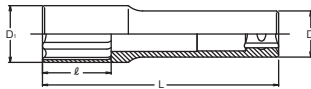
4300M(L60) (mm)		D (mm)	ℓ (mm)	L (mm)	H (mm)	 (g)	 (pcs.)
17		23.6	25	60	21	98	10
19		25.1	25	60	21	100	10
21		27.1	25	60	21	102	10








Wheel Nut Sockets

 Please note that thin walled design is only for wheel nut work and Torque rating is limited.

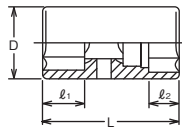
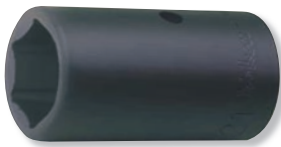
4300M (L110)  Wheel Nut Sockets (Long)
Vasos para Ruedas (Largos) 







4300M(L110) (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
17		23	22	32	110	155	5
19		25.8	22	32	110	170	5
21		26.8	22	32	110	165	5

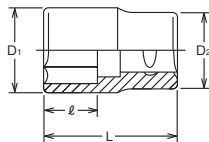
 Please note that thin walled design is only for wheel nut work and Torque rating is limited.





14118M  Wheel Nut Sockets, Double Ended
Vasos para Rueda, Dos Bocas




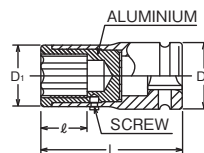
14118M (mm)		D (mm)	ℓ ₁ (mm)	ℓ ₂ (mm)	L (mm)	 (g)	 (pcs.)
17x19		28	15.5	13	48	150	10
19x21		31	17.5	13	57	177	10
19x22		31	17.5	15	57	187	10






AL4400M  Aluminium Sockets for Wheel Nuts
Vasos de Aluminio para Tuercas de Rueda



AL4400M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
17		29.5	27	21	43	52	10
19		31	29	24	45	58	10

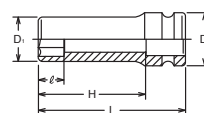
AR14300  Impact Sockets with Exchangeable Aluminium Inlets
Vasos de Impacto con Partes Internas de Aluminio Recambiables








AR14300 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)	
17		28	30	21	65	220	10	*1
19		30	30	24	65	223	10	*1
21		33	30	25	65	237	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

AN14300  Impact Sockets, Aluminium Alloyed, for Aluminium Wheel Nuts
Vasos de Impacto, de Aleación de Aluminio, para tuercas de rueda de aluminio



AN14300 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
17		25.7	30	17	62	80	85	10	*1
19		28.2	30	19	61	80	89	10	*1
21		30.7	30	21	61	80	93	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14113J (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	25.7	30	14	80	251	10	*1
19		28.2	30	16	80	286	10	*1
21		30.7	30	20	80	309	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14113M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	25.7	30	34	80	230	10	*1
19		28.2	30	38	80	262	10	*1
21		30.7	30	42	80	285	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

14124 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ ₁ (mm)	ℓ ₂ (mm)	L (mm)	(g)	(pcs.)
21×24.5	1/2"	28	29.5	24	25	65	157	10
26×27.5		31.5	35	24.5	24.5	65	197	10

14124/3		3 Pieces Set/△=580g	
CARDBOARD BOX:W125×H91×T43mm			
Sockets		Accessory	
	14124 21×24.5 26×27.5		14760-75B

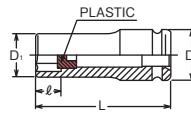


14124 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	20.5	25	15	50	83	10	*1
18		21	25	15	50	83	10	*1
18.5		23	25	15	50	95	10	*1
19		25	30	20.5	50	140	10	*2
21		28	30	20.5	50	153	10	*2
24.5		29.5	30	23	50	138	10	*2
26		31.5	30	23	50	147	10	*2
27.5		35	30	23	50	181	10	*2

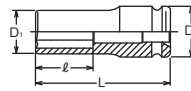
*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P238-239

RS14124/7	7 Pieces Set/Rail 250mm	(g)
18, 18.5, 19, 21, 24.5, 26, 27.5		980

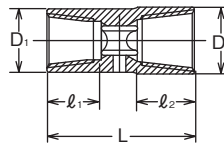
14113J Impact Sockets with Plastic Stops for Hub Cap Screws Vasos de Impacto con Topes de Plástico para Tornillos de Tapacubos



14113M For Hub Cap Screws Para Tornillos de Tapacubos



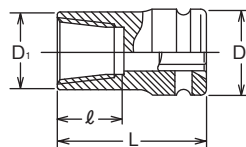
14124 Lock Nut Busters (Double Ended) Tronzador de Tuercas (Dos Bocas)



14124/3 Lock Nut Busters (Double Ended) in set Juego Tronzador de Tuercas (Dos Bocas)



14124 Lock Nut Busters Tronzador de Tuercas



RS14124/7 Socket Set on Rail Juego de Vasos en Regleta



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE HEZAS/REBUESTO

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

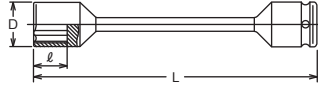
AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

CONSTRUCTION
CONSTRUCCIÓN

KP14101

Torsion Bars (for tightening only)
Barras de Torsión (Solamente para apriete)

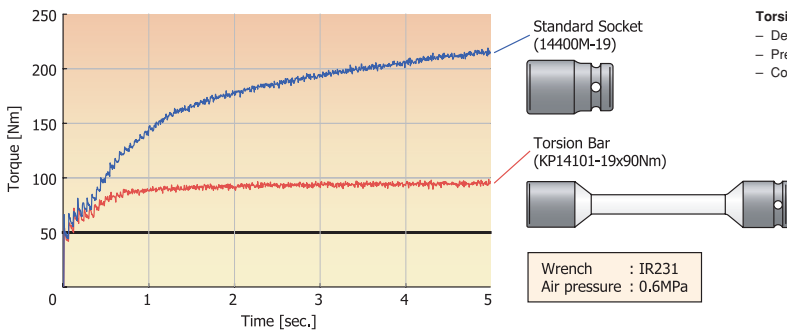


KP14101 (mmxNm)	D (mm)	l (mm)	L (mm)	Shaft Color	(g)	(pcs.)	
17x110Nm	24	21	204	Blue	230	10	*1
19x 90Nm	26	24	259	White	250	10	*1
19x110Nm	26	24	213	Red	240	10	*1
21x100Nm	28	27	215	Green	255	10	*1
21x110Nm	28	27	216	Yellow	250	10	*1
21x130Nm	28	27	207	Orange	305	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

How to use Torsion Bar:

1. Use with a 1/2" Sq. Dr. Pneumatic impact wrench.
2. Set air pressure 0.6MPa, and set impact wrench dial Medium range.
3. Chose a suitable Torsion bar according to wheel nut size and indicated tightening torque.
4. Attach the torsion bar to impact wrench and apply load.
5. Check the actual tightening torque value with torque wrench.
6. Adjust air pressure or torque value according to the results of check 5.
7. Tight other wheel nut in diagonal order.



Torsion Bars

- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Color coded shafts make size identification easy.

KP14101/6S

Display Stand
Expositor

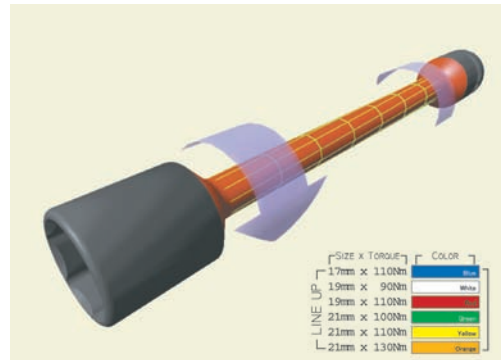


KP14101/6S 6 Pieces Set/Δ=2.230g

DISPLAY STAND

Torsion Bars

KP14101 Impact Torsion Bars (Thin walled)
17x110Nm, 19x90Nm, 19x110Nm, 21x100Nm,
21x110Nm, 21x130Nm



KP14101/6H

Metal-Wall-Hanger for Workshops
Colgador de Pared Metálico para Talleres



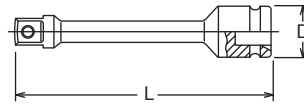
KP14101/6H 6 Pieces Set/Δ=2.230g



HANGER

Torsion Bars

KP14101 Impact Torsion Bars (Thin walled)
17x110Nm, 19x90Nm, 19x110Nm, 21x100Nm,
21x110Nm, 21x130Nm

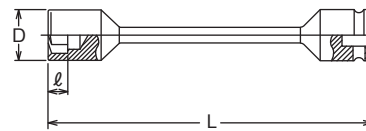
14112  Torsion Extension Bars (for tightening only) 
Alargaderas de Torsión (solamente para apriete)





14112		D (mm)	L (mm)	(g)	(pce.)	
90NmP	1/2"	25	208	206	1	*1
95NmP		25	202	200	1	*1
100NmP		25	196	198	1	*1
110NmP		25	213	220	1	*1
120NmP		25	201	219	1	*1
140NmP		25	205	230	1	*1
170NmP		25	195	257	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B  P238-239

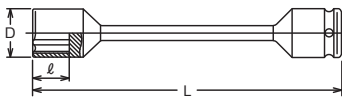
14101M  Torsion Bars (for tightening only) 
Barras de Torsión (solamente para apriete)





14101M (mmxNm)		D (mm)	l (mm)	L (mm)	(g)	(pce.)	
14x 95Nm	1/2"	22	11	208	230	1	*1
15x110Nm		23.2	11	201	230	1	*1
17x 60Nm		25.7	12	216	227	1	*1
17x 75Nm		25.7	12	228	240	1	*1
17x 95Nm		25.7	12	214	256	1	*1
17x110Nm		25.7	12	204	285	1	*1
17x120Nm		25.7	12	200	284	1	*1
19x 60Nm		28.2	13	219	237	1	*1
19x 90Nm		28.2	13	259	275	1	*1
19x110Nm		28.2	13	214	278	1	*1
19x120Nm		28.2	13	203	297	1	*1
19x135Nm		28.2	13	206	339	1	*1
19x170Nm		28.2	13	190	332	1	*1
21x100Nm		30.7	14	214	288	1	*1
21x120Nm		30.7	14	203	288	1	*1
22x160Nm		32	15	209	385	1	*1



*1 C-Ring=1401C, Pin/O-Ring=1401A/B  P238-239

16101M · 18101M  Torsion Bars (for tightening only) 
Barras de Torsión (solamente para apriete)




16101M (mmxNm)		D (mm)	l (mm)	L (mm)	(g)	(pce.)	
24x180Nm	3/4"	38.8	24	235	850	1	*1
27x450Nm		42.5	27	280	1236	1	*1
32x600Nm		48.8	32	280	1370	1	*1
33x600Nm		50	33	280	1370	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B  P238-239

18101M (mmxNm)		D (mm)	l (mm)	L (mm)	(g)	(pce.)	
24x350Nm	1"	43.5	24	300	1380	1	*1
27x350Nm		47	27	300	1401	1	*1
27x450Nm		47	27	300	1579	1	*1
30x500Nm		51	30	300	1563	1	*1
32x450Nm		53.5	32	300	1600	1	*1
32x550Nm		53.5	32	300	1602	1	*1
32x600Nm		53.5	32	300	1602	1	*1
32x700Nm		51.5	32	300	1630	1	*1
33x550Nm		55	33	300	1638	1	*1
33x600Nm		55	33	300	1638	1	*1
36x600Nm		58.5	36	300	1718	1	*1

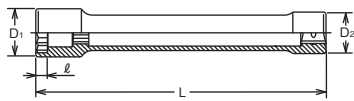
*1 C-Ring=1801C, Pin/O-Ring=1801A/B  P238-239

 As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede variar según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

6102M-400 8102M-400

Extra long Sockets for Wheel Nuts
Vasos de para Rueda Extra-largos



6102M,400 (mm)	□	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)
41Wx21W	3/4"	58	40	14	400	1880	1
32		48.5	40	32	400	1480	1
33		49.8	40	32	400	1500	1

8102M,400 (mm)	□	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)
41Wx21W	1"	58	49.9	14	400	2610	1
32		48.5	49.9	32	400	2210	1
33		49.8	49.9	32	400	2220	1

⚠️ 6102M/8102M are for hand use only. Do not use with a power impact wrench.

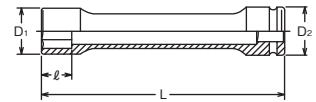


Combination type.
41Wx21W

Extra long Socket for wheel nut

16102M-270 · -400 18102M-270 · -400

Extra long Sockets for Wheel Nuts
Vasos de Impact para Rueda Extra-largos



16102M,270 (mm)	□	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
24	3/4"	38.8	44	24	270	1034	1	*1
27		42.5	44	27	270	1088	1	*1
30		46.3	44	30	270	1144	1	*1
32		48.8	44	32	270	1157	1	*1
33		50	44	32	270	1200	1	*1
36		53.8	44	32	270	1250	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16102M,400 (mm)	□	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
24	3/4"	38.8	44	24	400	1430	1	*1
27		42.5	44	27	400	1460	1	*1
30		46.3	44	30	400	1510	1	*1
32		48.8	44	32	400	1530	1	*1
33		50	44	32	400	1530	1	*1
36		53.8	44	32	400	2180	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

18102M,270 (mm)	□	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
23	1"	37.3	54	23	270	1627	1	*1
24		38.5	54	24	270	1628	1	*1
26		41	54	26	270	1667	1	*1
27		42.3	54	27	270	1680	1	*1
29		44.8	54	29	270	1680	1	*1
30		46	54	30	270	1680	1	*1
32		48.5	54	32	270	1680	1	*1
33		49.8	54	32	270	1700	1	*1
34		51	54	32	270	1750	1	*1
36		53.5	54	32	270	1750	1	*1
38		56	54	32	270	1822	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18102M,400 (mm)	□	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
23	1"	37.3	54	23	400	1865	1	*1
24		38.5	54	24	400	1869	1	*1
26		41	54	26	400	1925	1	*1
27		42.3	54	27	400	2272	1	*1
29		44.8	54	29	400	2278	1	*1
30		46	54	30	400	2266	1	*1
32		48.5	54	32	400	2322	1	*1
33		49.8	54	32	400	2320	1	*1
34		51	54	32	400	2341	1	*1
36		53.5	54	32	400	2442	1	*1
38		56	54	32	400	2550	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

PW6 (mmxmm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
32x17	3/4"	47	44	12	75	633	2	*1
35x17		50	44	13	75	673	2	*1
38x20		55	44	14	75	708	2	*1
41x19		58	44	14	80	840	2	*1
41x20		58	44	14	80	840	2	*1
41x21		58	44	14	80	831	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

PW8 (mmxmm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
35x17	1"	50	54	13	83	935	2	*1
38x20		55	54	14	83	1038	2	*1
41x19		58	54	14	87	1100	2	*1
41x20		58	54	14	87	1096	2	*1
41x21		58	54	14	87	1089	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

SIZE	VEHICLE	SIZE	VEHICLE
32 x 17	TOYOTA (~2t)	41 x 19	MAZDA (3~4t)
35 x 17	NISSAN (~3t) MITSUBISHI (~4t) MAZDA (~2t) ISUZU (~3.5t)	41 x 20	TOYOTA (2t~) DAIHATSU (2~3.5t) HINO (2~3.5t)
38 x 20	MITSUBISHI (2~3.5t)	41 x 21	NISSAN (4t~) MITSUBISHI (2t~) ISUZU (4t~) HINO (4t~)

PW8P/4 4 Pieces Set/△=4,250g
CARDBOARD BOX:W240xH95xT70mm
 Sockets
PW8P Impact Rear Wheel Nut Sockets
 35x17, 38x20, 41x19, 41x21

PW8P (mmxmm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	Shaft Color	(pcs.)	
35x17	1"	50	54	13	83	935	5	5	*1
38x20		55	54	14	83	1038	5	5	*1
41x19		58	54	14	87	1100	5	5	*1
41x21		58	54	14	87	1089	5	5	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

PW8L (mmxmm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
41x21	1"	58	54	15	105	1263	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

PW6 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	3/4"	40	44	19	53	433	5	*1
19		40	44	19	53	419	5	*1
20		44	44	21	55	483	5	*1
21		44	44	23	57	491	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

PW8 (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	1"	40	54	19	60	621	2	*1
19		43	54	19	60	648	2	*1
20		45	54	21	62	687	2	*1
21		45	54	23	64	696	2	*1

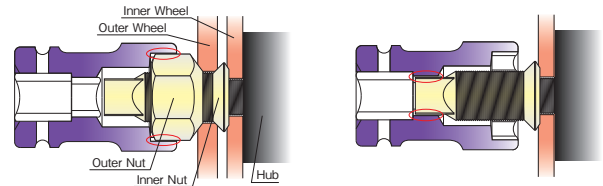
*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

PW6 · PW8 Rear Wheel Nut Sockets
 Vasos de Tuerca de Rueda Interna



Tightening / Loosening Outer Nut

Tightening / Loosening Inner Nut



PW8P/4 Socket set of Rear Wheel Nut Sockets
 Juego de Vasos de Tuerca de Rueda Interna

PW8P Rear Wheel Nut Sockets
 Vasos de Tuerca de Rueda Interna



PW8L Rear Wheel Nut Socket (long)
 Vasos de Tuerca de Rueda Interna (largos)



PW6 · PW8 Rear Wheel Nut Sockets
 Vasos de Tuerca de Rueda Interna



HAND MANUALES
 Z-SERIES
 TITANIUM DE TITANIO
 ACCESSORIES ACCESORIOS
 DESTORNILLADORES
 SCREWDRIVERS
 DE IMPACTO
 SLEEVE-DRIVE INDUSTRIAL
 INDUSTRIALES
 PROTECTOR PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION CONSTRUCCION
 RENEWAL KITS JUEGOS DE REPARACION

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

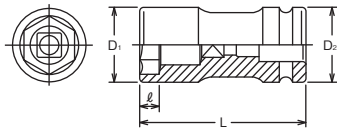
PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

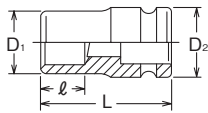
16316M • 16316A
18316M • 18316A





 Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna



16317M • 16317A
18317M • 18317A

 Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna







16316M (mm×mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)			
35×17	3/4"	52	44	10	90	865	1	*1
38×20		56	44	13	100	952	1	*1
41×19		59	44	12	100	1037	1	*1
41×21		59	44	15	100	963	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16316A (inch×inch)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)			
1.1/2×13/16	3/4"	56	44	13	100	940	1	*1





*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

18316M (mm×mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)			
35×17	1"	52	54	10	108	1153	1	*1
38×20		56	54	13	108	1133	1	*1
41×19		59	54	12	108	1200	1	*1
41×21		59	54	15	108	1155	1	*1





*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

18316A (inch×inch)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)			
1.1/2×13/16	1"	59	54	13	108	1120	1	*1





*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

16317M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)			
17	3/4"	40	44	22.5	67	485	1	*1
19		40	44	22.5	67	462	1	*1
20		44	44	22.5	67	517	1	*1
21		44	44	22.5	67	489	1	*1
22		44	44	22.5	67	482	1	*1


*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

16317A (inch)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)			
13/16	3/4"	44	44	22.5	67	489	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P238-239

18317M (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)			
17	1"	40	54	22.5	72	682	1	*1
17.5		40	54	22.5	72	677	1	*1
19		43	54	22.5	72	705	1	*1
20		45	54	22.5	72	723	1	*1
20.5		45	54	22.5	72	723	1	*1
21		45	54	22.5	72	703	1	*1
22		45	54	22.5	72	696	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

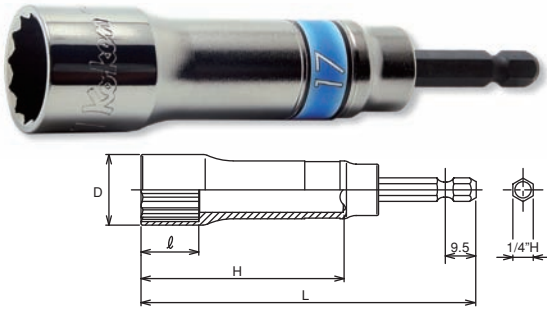
18317A (inch)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)			
13/16	1"	45	54	22.5	72	703	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P238-239

Construction

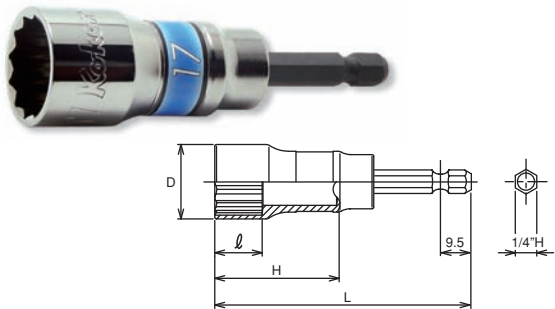


BD014E  12-point Nut Setters, Deep
Vasos Bihex para Apretar Tuercas, largos



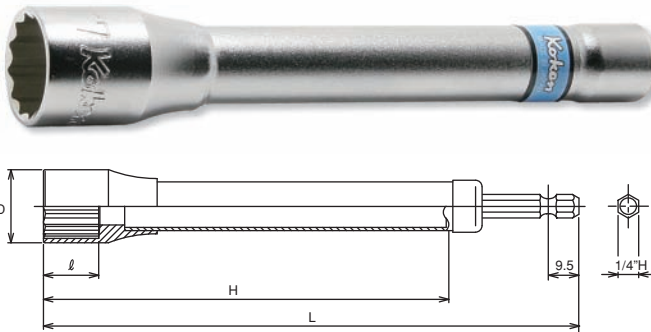
BD014E (mm)	D (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	12	63	104	45	10
10	14	12	63	104	52	10
12	16.5	18	63	104	61	10
13	17.5	18	63	104	65	10
14	19	18	63	104	72	10
17	22.5	18	60	104	80	10
19	24.5	18	60	104	95	10
21	27	18	60	104	110	10
22	28	18	60	104	112	10
24	30.3	18	60	104	123	10

BD014SE  12-point Nut Setters
Vasos Bihex para Apretar Tuercas



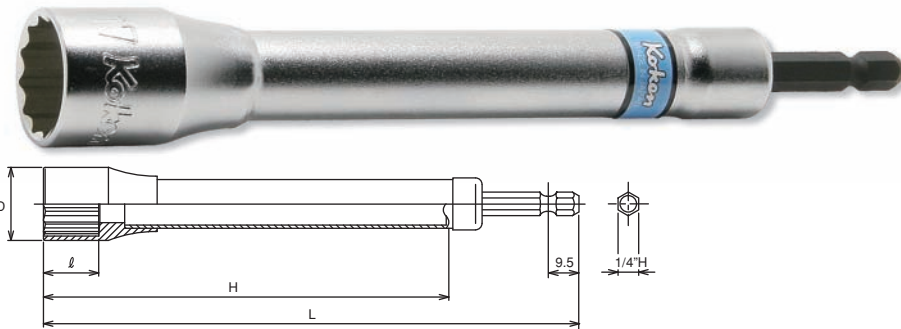
BD014SE (mm)	D (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

BD008E-165 (12P)  12-point Nut Setters, Extra Long
Vasos Bihex para Apretar Tuercas



BD008E.165 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.5	17	110	165	105	10
19(12P)	24.5	17	110	165	135	10
21(12P)	27	17	110	165	142	10

BD008E-300 · -500 · -700 (12P)  12-point Nut Setters, Extra Long
Vasos Bihex para Apretar Tuercas



BD008E.300 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.5	17	245	300	154	2

BD008E.500 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.5	17	445	500	223	2

BD008E.700 (mm)	D (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.5	17	645	700	292	2

BD014XE (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 8SF	13	12	49	90	40	10
New 10SF	15	12	49	90	46	10
New 12SF	17.5	14	48	90	54	10
New 13SF	18.5	14	48	90	58	10
New 14SF	19.8	14	47	90	64	10
New 17SF	23.5	14	46	90	81	10
New 19SF	25.5	14	46	90	100	10
New 21SF	28	14	46	90	123	10
New 24SF	31.5	14	45	90	137	10

BD014E (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 17SF	23.5	18	60	104	94	10
New 19SF	25.5	18	60	104	100	10
New 21SF	28	18	60	104	110	10

SURFACE DRIVE

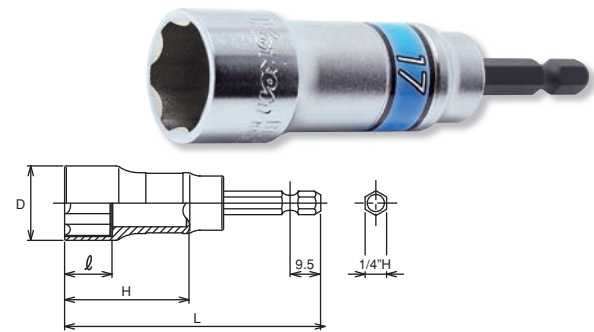
Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

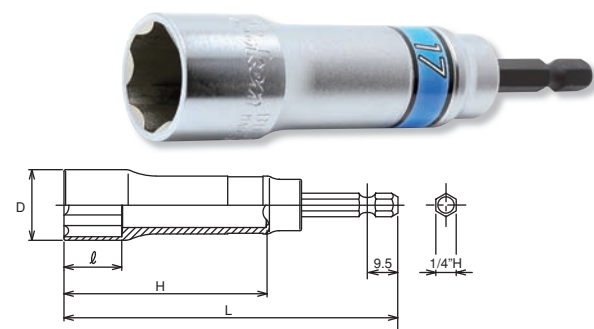


BD011SE (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	14	12	35	100	73	10
12	16.5	12	35	100	77	10
13	17.5	12	35	100	79	10
14	19	12	32	100	82	10
17	22.5	14	32	100	87	10
19	24.5	14	30	100	94	10
21	27	14	30	100	103	10
22	28	14	30	100	104	10

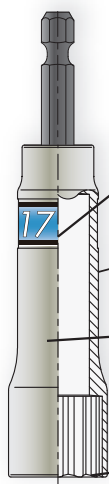
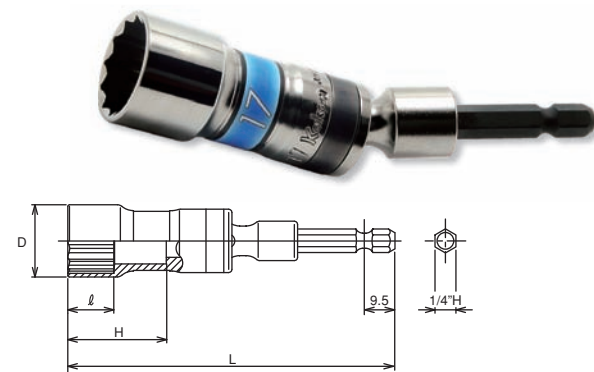
BD014XE-SF Surface Drive Nut Setters, Semi-Deep Vasos semi-largos con Mango



BD014E-SF Surface Drive Nut Setters Vasos con Mango



BD011SE 12-point Universal Joint Nut Setters Vasos Bi-hex para Apretar Tuercas con Articulación Universal



Color Coded

Easy identification for the sizes.



Light Body Design

BD011SE, BD014E and BD014SE are designed 30% light weight for easy handling.

Dark Colour Chrome Plating

Surface treatment is Dark Colour Chrome Plating.
*except BD008E series

12 point Opening / Surface Drive Opening

Socket opening is designed to 12-point opening and surface drive opening to catch a bolt/nut easy.

HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

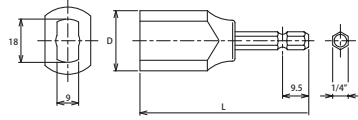
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

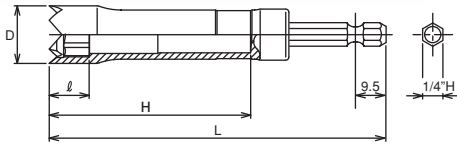
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

BD003E-I



	D (mm)	L (mm)	(g)	(pcs.)
BD003E-I	25	70	95	10

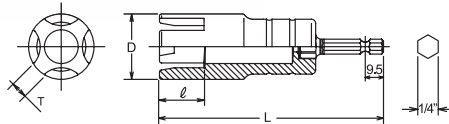
BD013E



BD013E (mm)	D (mm)	l (mm)	H (mm)	L (mm)	(g)	(pcs.)
12	17.8	12.5	63	105	69	10

BD017E

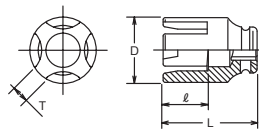
Wing Bolt Socket for Electric Drill
Vaso para Tuerca de Orejetas para Taladro eléctrico



BD017E	D (mm)	T (mm)	l (mm)	L (mm)	(g)	(pcs.)
	31	7.3	21	104	158	10

BD018

Wing Bolt Socket
Vaso para Tuerca de Orejetas

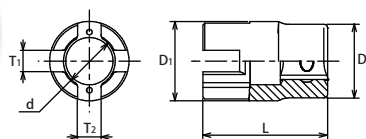


BD018	□	D (mm)	T (mm)	l (mm)	L (mm)	(g)	(pcs.)	Ⓜ
	3/8"	31	7.3	21	45	113	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1401A/B → P238-239

3119

Wing Bolt Socket
Vaso para Tuerca de Orejetas



3119 (mm)	□	T1×T2 (mm)	D1 (mm)	D2 (mm)	d (mm)	L (mm)	(g)	(pcs.)
3 x5	3/8"	3 x5	17	17.3	11	30	30	10
5.5x6	3/8"	5.5x6	21	19.5	14	33	45	10



For Wing Bolt
Para Tuercas de Mariposa



For Drain Plug in Radiator
Para conectores de drenaje en Radiadores

BD023E		D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	12.5	55	27	10
1/2	1/2"	16.5	60	48	10

BD024E		D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	19.3	78	63	10
1/2	1/2"	19.3	82	73	10

123PN.65 123PG.65 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	65	13	10
2	6.35	65	13	10
3	6.35	65	14	10

123PN.110 123PG.110 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	110	25	10
2	6.35	110	25	10
3	6.35	110	26	10

123PN.150 123PG.150 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	150	36	10
2	6.35	150	36	10
3	6.35	150	37	10

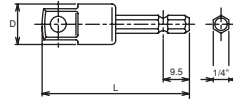
Groove position: Japanese model

184.64	D (mm)	ℓ (mm)	L (mm)	H (mm)	(g)	(pcs.)
New 3/8x24UNF	12.5	14.5	64	13	34	10
New 1/2x20UNF	12.5	15.5	64	13	40	10

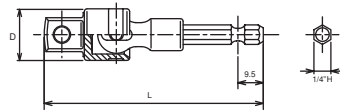
14184		D (mm)	ℓ (mm)	L (mm)	H (mm)	(g)	(pcs.)	
New 3/8x24UNF	1/2"	25	14.5	44	22	85	10	*1
New 1/2x20UNF	1/2"	25	15.5	44	22	88	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P238-239

BD023E Adaptor
Adaptador

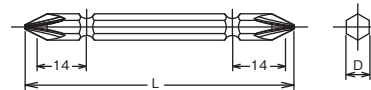


BD024E Universal Adaptors
Adaptadores Universal

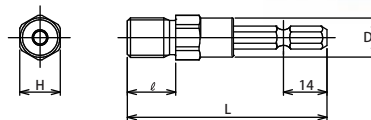


123PN-65 · -110 · -150 Double ended Bits
Puntas Phillips, simétricas

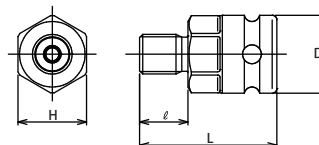
123PG-65 · -110 · -150 Magnetic type



184.64 Drill Chuck Adaptor
Adaptador porta-brocas para Taladro



14184 Drill Chuck Adaptor
Adaptador porta-brocas para Taladro



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPOSTO

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE


INDUSTRIAL
INDUSTRIALES

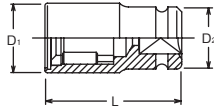
PROTECTOR
PROTECTORES





AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

BD004  Impact Screw and Stud Setters
Vasos de Impacto para Atornillar Pernos y Espárragos



BD004 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	 (g)	 (pcs.)	
12.5x10	1/2"	30	25	70	236	5	*1
12.5x13		38	30	75	388	3	*2
12.5x16		38	30	75	369	3	*2
20 x19	3/4"	48	44	90	775	3	*3
20 x22		48	44	90	752	3	*3
20 x25		62	44	95	1184	2	*3
20 x29		62	44	95	1148	2	*3

*1 C-Ring=1401C, Pin/O-Ring=1401A/B

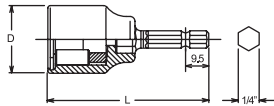
*2 C-Ring=1402C, Pin/O-Ring=1402A/B



*3 C-Ring=1600C, Pin/O-Ring=1601A/B



[→ P238-239](#)



162E  Stud Setters
Vasos de Atornillar Espárragos



162E (mm)	D (mm)	L (mm)	 (g)	 (pcs.)
10	28	66	107	10



162E (inch)	D (mm)	L (mm)	 (g)	 (pcs.)
1/4	23	66	83	10
5/16	23	66	82	10
3/8	28	66	107	10
1/2	28	66	108	10

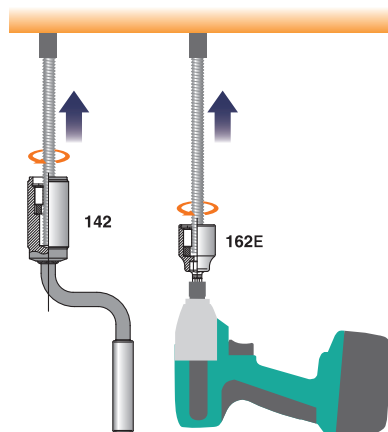
*Renewal Kits → **162RK**

[→ P269](#)

142  Stud Setters
Vasos de Atornillar Espárragos



142 (inch)	L (mm)	 (g)	 (pce.)
5/16	190	304	1
3/8	190	361	1
1/2	190	354	1

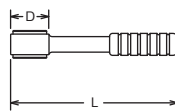


HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPOSTO

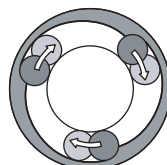
141S (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

141S (inch)	D (mm)	L (mm)	(g)	(pce.)
5/16	28	120	150	1
3/8	32	120	153	1
1/2	32	120	152	1

141S Stud Puller Ratchets
Extractores de Espárragos de Carraca



141 Stud Puller Ratchets
Extractores de Espárragos de Carraca



Stud Puller Ratchet (141S/141/141P)
The three roller system can protect the studs from damage.
El sistema de tres rodillos puede proteger los espárragos de cualquier daño

141 (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	205	215	1
8	28	205	215	1
10	32	205	234	1
12	32	205	233	1

141 (inch)	D (mm)	L (mm)	(g)	(pce.)
5/16	28	205	215	1
3/8	32	205	234	1
1/2	32	205	233	1

141P Stud Puller Ratchets
Extractores de Espárragos de Carraca



141P (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	205	210	1
8	28	205	210	1
10	32	205	229	1
12	32	205	227	1

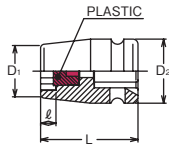
1201 4 Pieces Set/△=973g
METAL CASE:W240×H100×T32mm
Pullers
141S Stud Puller Ratchets
6, 8, 10, 12







1201 Stud Puller Ratchets Set
Juego de Extractores de Espárragos de Carraca



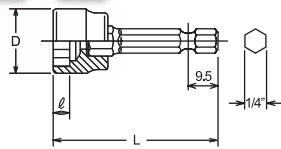
BD14400MJ  6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje







BD-4400MJ (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)	
13	1/2"	20.7	25	5	38	140	10	*1
15		23.2	30	5	38	145	10	*2
16		24.5	30	6.5	38	145	10	*2
17		25.7	30	6.5	38	145	10	*2
19		28.2	30	7.5	38	145	10	*2
21		30.7	30	9	38	185	10	*2
24	34.5	30	10.5	38	190	10	*2	

*1 C-Ring=1401C, Pin/O-Ring=1401A/B [P238-239](#)
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

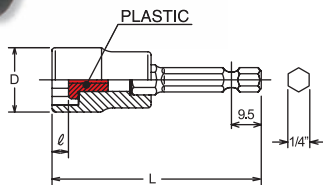
BD016E 
BD016E-SF  6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje







BD016E (mm)	D (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

BD016E (mm)	D (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
13SF	19.5	4	50	43	10
17SF	24.5	5	50	56	10
19SF	27	6	50	68	10

BD016JE 
BD016JE-SF  6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje

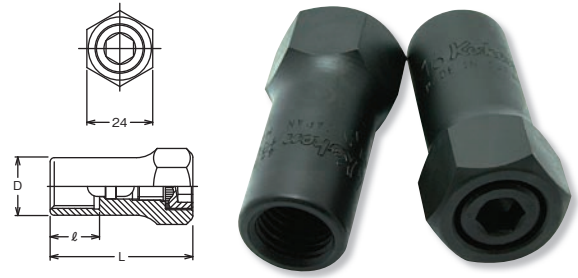


BD016JE (mm)	D (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
13	19.5	5	60	66	10
17	24.5	6.5	60	80	10
19	27	7.5	60	90	10

BD016JE (mm)	D (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)
13SF	19.5	5	60	66	10
17SF	24.5	6.5	60	80	10
19SF	27	7.5	60	90	10

HA001	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.25)	17.2	15	49	100	10
16(2.0)	21	18	52	125	10
20(2.5)	24.5	21	56	155	10
22(2.5)	26.5	27	61	175	10
24(3.0)	28	28	62	185	10
W3/8	14.8	13	47	90	10
W1/2	17.6	15	49	105	10

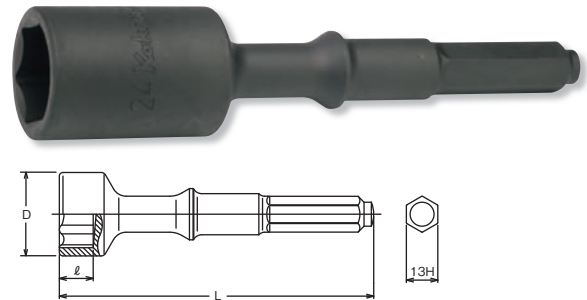
HA001 Stud Setters
Vasos para Atornillar Espárragos



HA002.130 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	130	246	10

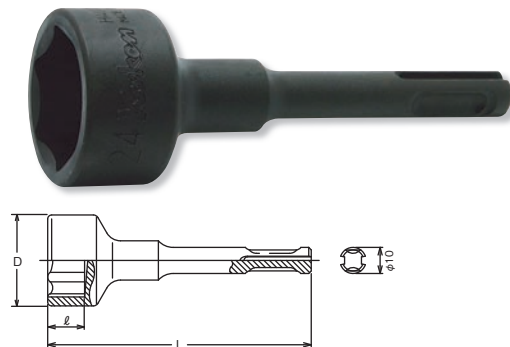
HA002.160 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	160	465	10

HA002-130 · -160 Socket for HA001
Vaso para HA001



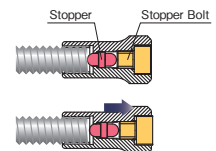
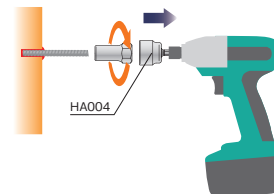
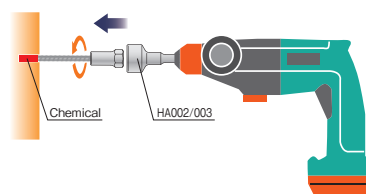
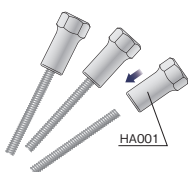
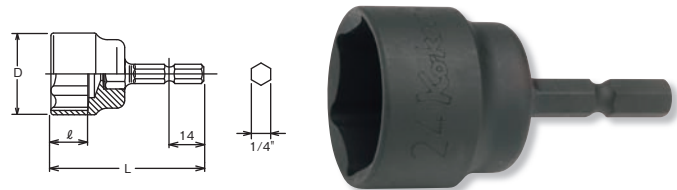
HA003.100 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	100	155	10

HA003-100 Socket for HA001
Vaso para HA001



HA004 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
24	31	16.5	58	91	10

HA004



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE REPARACION

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

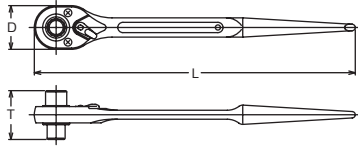
PROTECTOR
PROTECTORES


AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

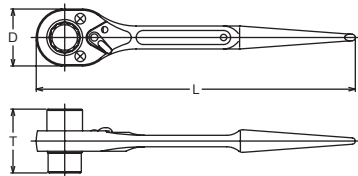
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



170S  Spud Handle Ratchets
Llaves de Carraca con Mango de Cola



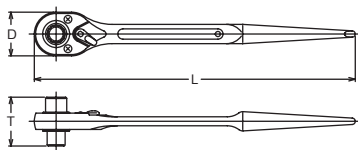
170S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
10x12	34	38	250	260	1
12x14	34	38	250	260	1



171S  Spud Handle Ratchets(Short)
Llaves de Carraca con Mango de Cola(Cortas)



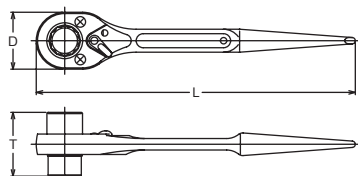
171S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
14x17	44.6	50	250	460	1
17x19	44.6	50	250	460	1
17x21	44.6	50	250	460	1
19x21	44.6	50	250	460	1



171  Spud Handle Ratchets(Long)
Llaves de Carraca con Mango de Cola(Largas)



171 (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
14x17	44.6	50	380	630	1
17x19	44.6	50	380	630	1
17x21	44.6	50	380	630	1
19x21	44.6	50	380	630	1

172  Spud Handle Ratchets
Llaves de Carraca con Mango de Cola

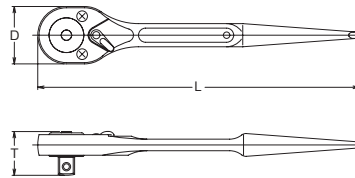


172 (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
21x26	68	58	380	1100	1
22x24	68	58	380	1100	1
23x26	68	58	380	1100	1
24x27	68	58	380	1100	1
26x32	68	63	380	1100	1

171SB-1/2 Spud Handle Ratchet with Push Button(short)
Llave de Carraca con Mango de Cola con Botón(corta)



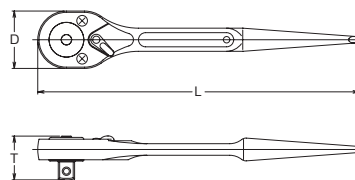
		D (mm)	T (mm)	L (mm)	(g)	(pce.)
171SB-1/2	1/2"	44.6	33	250	480	1



171B-1/2 Spud Handle Ratchet with Push Button(Long)
Llave de Carraca con Mango de Cola con Botón(larga)

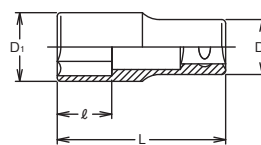


		D (mm)	T (mm)	L (mm)	(g)	(pce.)
171B-1/2	1/2"	44.6	33	380	650	1



4300TW 6-point Sockets
Vasos Hexagonales

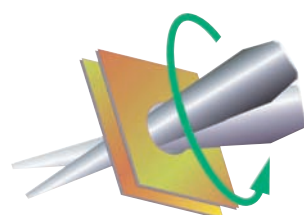
4300TW (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
14	1/2"	20.3	21	15	77	120	10
17		24	21.8	18	77	130	10
19		26.5	21.8	20	77	150	10
21		29	21.8	23	77	150	10



1205 Set
Juego



1205		5 Pieces Set/△=1,200g	
BAG			
Sockets		Accessory	
	4300TW Sockets 14, 17, 19, 21	171B-1/2	



HAND MANUALES
Z-SERIES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO



Ko-ken welcomes customer enquiries for special tools. New items can be designed and manufactured according to customers requirements. Please enquire through your distributors.

Ko-ken da la bienvenida a todas las solicitudes por herramientas especiales de nuestros clientes. Productos nuevos pueden ser diseñados y fabricados de acuerdo a sus necesidades. Por favor haga su solicitud a través nuestra red de distribuidores.

Renewal Kits



2749RK



2752RK 2752N



2753RK 2753N, 2753PS, 2753P, 2753P-160, 2753J, 2774PS, 2774JS, 2774N, 2774P, 2774J



2753BRK 2753NB, 2753PB, 2753JB



2725RK 2725Z, 2726Z



2749RK-3/8 2749PS-3/8, 2749N-3/8, 2749P-3/8, 2774PS-3/8, 2774JS-3/8



3749RK 3749S, 3749N



3749BRK 3749SB



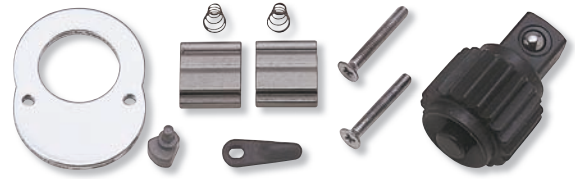
3752RK 3752N, 3752J, 3757, 3776N, 3776P, 3776J



3753RK 3753SM, 3753N, 3753P, 3753P-250, 3753J, 3774PS, 3774P-SR, D3753J, 3774N, 3774P, 3774J, 3774NL, 3774PL, 3774JL



3753BRK 3753SMB, 3753NB, 3753PB, 3753JB, 3774NB, 3774PB, 3774JB, 3774JBL



3725RK 3725Z, 3725ZS, 3726Z, 3726ZS



168T-6IP(40) TORXPlus® 6IP Screwdriver for 2725RK

168T-8IP(40) TORXPlus® 8IP Screwdriver for 3725RK



	□	⚖ (g)	📦 (pce.)
2749RK		30	1
2752RK		42	1
2753RK	1/4"	30	1
2753BRK		31	1
2725RK		30	1
2749RK-3/8		45	1
3749RK		70	1
3749BRK		84	1
3752RK	3/8"	84	1
3753RK		76	1
3753BRK		77	1
3725RK		50	1
168T-6IP(40)	—	20	1
168T-8IP(40)	—	20	1

3749SRK-1/2 3749S-1/2



3749SBRK-1/2 3749SB-1/2



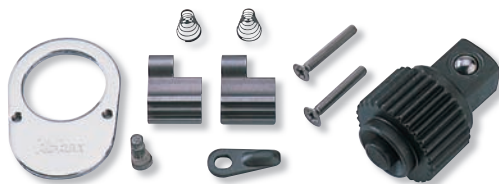
4749RK 4749N-250
4749N-380, 4749J-380



4750RK 4750N, 4750P, 4750J



4750BRK 4750NB, 4750PB, 4750JB



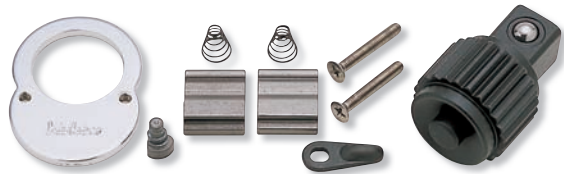
4752RK 4752N, 4752J



4753RK 4753N, 4753P, 4753P-410, 4753J, D4753J
4774N, 4774P, 4774P-450, 4774J



4753BRK 4753NB, 4753PB, 4753JB
4774NB, 4774PB, 4774JB



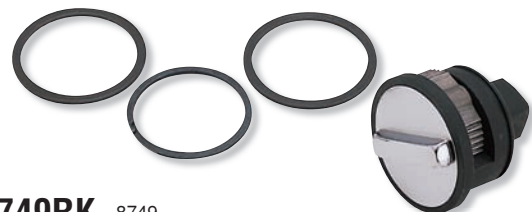
4725RK 4725Z



6749RK 6749, 6749-1000



6752RK 6752



8749RK 8749



	□	⚖️ (g)	📦 (pce.)
3749SRK-1/2	1/2"	120	1
3749SBRK-1/2		120	1
4749RK		130	1
4750RK		130	1
4750BRK		130	1
4752RK		140	1
4753RK		130	1
4753BRK		130	1
4725RK		130	1
6749RK		3/4"	580
6752RK	600		1
8749RK	1"		800

HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

RENEWAL KITS CONSTRUCTION CONSTRUCCIÓN
 JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN
 AUTOMOTIVE
 PROTECTOR PROTECTORES
 INDUSTRIAL INDUSTRIALES
 SLEEVE-DRIVE
 IMPACT DE IMPACTO
 SCREWDRIVERS DESTORNILLADORES
 ACCESSORIES ACCESORIOS
 TITANIUM DE TITANIO
 Z-SERIES
 HAND MANUALES

2755RK



3755RK



4755RK



6755RK



	□	⚖ (g)	📦 (pce.)
2755RK	1/4"	40	1
3755RK	3/8"	98	1
4755RK	1/2"	137	1
6755RK	3/4"	550	1

2768RK 2768N, 2768P, 2768J



3768RK 3768N, 3768P, 3768J 3768ZRK 3768Z



4768RK 4768N, 4768P, 4768J, 4781N-450 4768ZRK 4768Z



6768RK 6768



8768RK 8768



	□	⚖ (g)	📦 (pce.)
2768RK	1/4"	9	1
3768RK	3/8"	21	1
3768ZRK	3/8"	21	1
4768RK	1/2"	60	1
4768ZRK	1/2"	60	1
6768RK	3/4"	200	1
8768RK	1"	475	1

3112RK



	□	📦 (pce.)
3112RK	3/8"	1
4112RK	1/2"	1
6112RK	3/4"	1

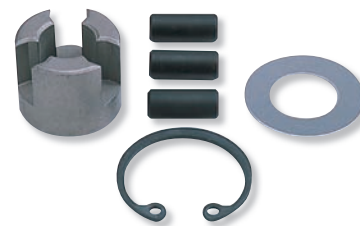
4112RK



6112RK



4100MRK 4100ARK



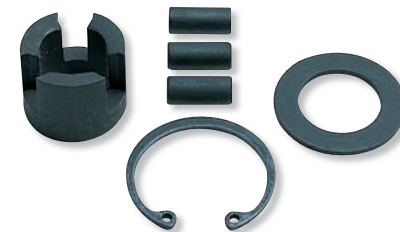
4100MRK (mm)	□	📦 (pce.)
6	1/2"	1
7		1
8		1
9		1
10		1
10.5		1
11		1
12		1
14		1
16	1	

4100ARK (inch)	□	📦 (pce.)
1/4	1/2"	1
5/16		1
3/8		1
7/16		1
1/2		1
9/16		1
5/8		1

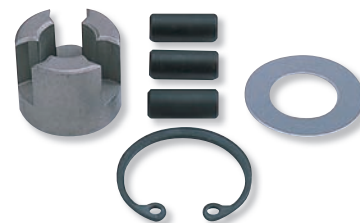
6100MRK (mm)	□	📦 (pce.)
18	3/4"	1
20		1
22		1
24		1
27		1
28		1
29		1
30		1

162RK	📦 (pce.)
5/16	1
3/8	1
1/2	1
10	1

6100MRK



162RK

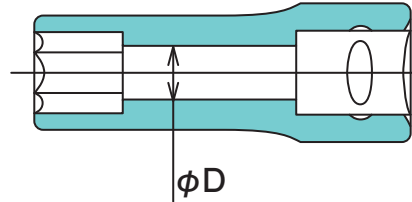
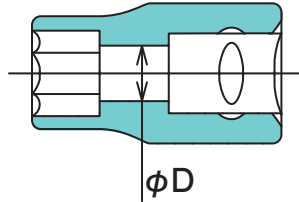


HAND SOCKETS / Diameter of Bore

Standard Socket

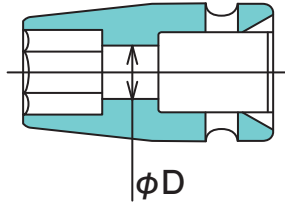


Deep Socket

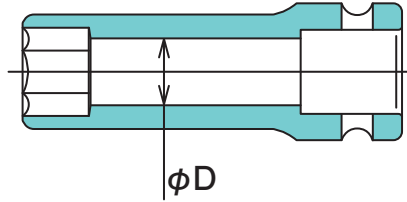



SOCKET		1/4" O		3/8" O		1/2" O		3/4" O		1" O
		Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	Standard
		2400M 2400A	2300M 2300A	3400M 3400A	3300M 3300A	4400M 4400A	4300M 4300A	6400M 6400A	6300M 6300A	8400M 8400A
		2405M 2405A	2305M 2305A	3405M 3405A	3305M 3305A	4405M 4405A	4305M 4305A	6405M 6405A	6305M 6305A	8405M 8405A
(mm)	(inch)	ϕD								
3	1/8	2.5	2.5							
4		3.5	3.5							
4.5		4	4							
5	3/16	4	4.5							
5.5	7/32	4.5	5	4.5	5					
6	1/4	5	5	5	5					
7	9/32	5.5	6	5.5	6					
8	5/16	6	7	6	7	6	7			
9	11/32	7	8	7	8	7	8			
10	3/8	8	9	8	9	8	9			
11	7/16	9	10	9	10	9	10			
12		10	11	10	11	10	11			
13	1/2	11	12	11	12	11	12			
14	9/16	12	13	12	13	12	13			
15	19/32			13	14	13	14			
16	5/8			14	15	14	15			
17	21/32			15	16	15	16	15	16	
18	11/16			15	17	15	17	15	17	
19	3/4			16	18	16	18	16	18	
20	25/32			17	19	17	19	17	19	
21	13/16			18	20	18	20	18	20	
22	7/8			19	21	19	21	19	21	
23				20	22	20	22	20	22	
24	15/16			21	23	21	23	21	23	
25						22	24	22	24	
26	1					23	25	23	25	
27	1- 1/16					23	26	23	26	23
28						24	27	24	27	24
29	1- 1/8					24	28	24	28	24
30	1- 3/16					25	29	25	29	25
31						26	30	26	30	26
32	1- 1/4					27	31	27	31	27
33	1- 5/16							28	32	28
34								29	33	29
35	1- 3/8							30	34	30
36								31	35	31
37	1- 7/16							31	36	31
38	1- 1/2							32	37	32
39								32	38	32
40	1- 9/16							33	39	33
41	1- 5/8							34	40	34
42								34	41	34
43	1-11/16							35	42	35
44	1- 3/4							36	43	36
45								36	44	36
46	1-13/16							37	45	37
47								38	46	38
48	1- 7/8							38	47	38
	1-15/16							39	48	39
50	2							40	49	40
	2- 1/16							40		

Standard Socket



Deep Socket



SOCKET		1/4" O		3/8" O		1/2" O		3/4" O		1" O	
		Standard	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	
		12400M 12400A	13400M 13400A	13300M 13300A	14400M 14400A	14300M 14300A	16400M 16400A	16300M 16300A	18400M 18400A	18300M 18300A	
(mm)	(inch)	ϕD									
4		3									
4.5	3/16	3									
5		4									
5.5		4									
6	1/4	5	5	5							
7	9/32	5	5	6							
8	5/16	6	6	7	6	7					
9	11/32	7	7	8	7	8					
10	3/8	8	8	9	8	9					
11	7/16	9	9	10	9	10					
12		10	10	11	10	11					
13	1/2	11	11	12	11	12					
14	9/16	12	12	13	12	13					
15			13	14	13	14					
16	5/8		14	15	14	15					
17	11/16		14	16	14	16	14	16			
18			15	17	15	17	15	17			
19	3/4		16	18	16	18	16	18	16	18	
20			17	19	17	19	17	19	17	19	
21	13/16		18	20	18	20	18	20	18	20	
22	7/8		19	21	19	21	19	21	19	21	
23			20		20	22	20	22	20	22	
24	15/16				21	23	21	23	21	23	
25	1				22	24	22	24	22	24	
26					23	25	23	25	23	25	
27	1- 1/16				23	26	23	26	23	26	
28					24	27	24	27	24	27	
29	1- 1/8				25	28	25	28	25	28	
30	1- 3/16				26	29	26	29	26	29	
31					27	30	27	30	27	30	
32	1- 1/4				28	31	28	31	28	31	
33							29	32	29	32	
34	1- 5/16						30	33	30	33	
35	1- 3/8						31	34	31	34	
36							32	35	32	35	
37	1- 7/16						32	36	32	36	
38	1- 1/2						34	37	34	37	
40	1- 9/16						34	39	34	39	
41	1- 5/8						35	40	35	40	
42	1-11/16						35	41	35	41	
45	1- 3/4						35	44	35	44	
46	1-13/16						40	45	40	45	
47							40	46			
	1- 7/8						40	47			

Screw dimension	Hexagon Head Bolt			Hexagon Socket Head Cap Screws			TORX		TORXPLUS		Triple Square	LHSTIX	Ref.) Standard Tightning Torque (Nm)				
	Standard	Compact	High Strength	Standard	Button Head / Shoulder Head	Hexagon Socket Set Screws	T	E	IP	EP [EPL]	XZN	LH-S [LH-SS]	Grade 4.6	Grade 6.8	Grade 8.8	Grade 10.9	Grade 12.9
M2	4			1.5		0.9	T6/T8		6IP				0.12	0.24	0.32	0.45	0.54
M2.5	5			2		1.3	T8		8IP		M3		0.25	0.49	0.65	0.92	1.1
M3	5.5			2.5	2	1.5	T10	E4	8IP/10IP	4EP	M3		0.43	0.87	1.16	1.63	1.96
M3.5	(6)						T15		10IP/15IP				0.68	1.37	1.82	2.56	3.08
M4	7			3	2.5	2	T20/T25	E5	15IP/20IP	5EP	M4	LH4S	1.01	2.02	2.7	3.79	4.54
M5	8			4	3	2.5	T25/T27	E6	20IP/25IP /27IP	6EP [8EPL]	M5	LH5S	2.04	4.09	5.47	7.67	9.18
M6	10			5	4	3	T30	E8	27IP/30IP	8EP [10EPL]	M6	LH6S	3.47	6.97	9.27	13	15.6
M7	11						T40	E8	40IP	8EP [12EPL]			5.85	11.6	15.5	21.8	26.2
M8	13	(12)		6	5	4	T40/T45	E10	40IP/45IP	10EP [14EPL]	M8	LH8S	8.41	16.9	22.5	31.6	37.9
M10	16 (17)	(14)		8	6	5	T50	E12	45IP/50IP	12EP [16EPL]	M10	LH10S [LH8SS]	16.7	33.4	44.5	62.6	75.2
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	55IP	14EP [20EPL]	M12	LH12S [LH10SS]	29.1	58.3	77.6	109	131
M14	21 (22)	(19)		12			T55/T60	E14/E18	55IP/60IP	18EP [24EPL]	M14	LH14S [LH12SS]	46.4	92.7	124	174	209
M16	24	(22)	27	14	10	8	T60/T70	E16/E20	60IP/70IP	20EP [26EPL]	M16	LH16S [LH14SS]	72.3	145	194	271	325
M18	27	(24)		(14)			T70/T80	E24	80IP	24EP [30EPL]	M18		100	199	266	373	447
M20	30 (32)	(27/29)	32	17	12	10	T80/T90	E24	90IP	24EP [32EPL]			141	282	376	529	635
M22	34 (32/35)	(30/32)	36	(17)			T90/T100	E28	100IP	24EP [36EPL]			192	384	511	720	865
M24	36 (38)	(32/35)	41	19		12	T100	E32	100IP	32EP [40EPL]			244	488	650	915	1100
M27	41	(36)	46	(19)				E32		32EP			358	713	951	1340	1610
M30	46	(41)	50	22				E36		36EP			484	971	1290	1820	2180
M33	50	(46)		(24)				E40		40EP			661	1320	1760	2470	2970
M36	55 (54)	(50)		27				E44		44EP			848	1690	2260	3180	3810
M39	60 (58)	(55)		(27)									1100	2190	2920	4110	4930
M42	65 (63)			32									1350	2710	3610	5080	6080
M45	70 (67)			(32)									1700	3400	4540	6370	7630
M48	75 (71)			36									2030	4060	5440	7620	9120
M52	80 (77)			(36)									2640	5290	7040	9880	11800
M56	85			41									3270	6560	8710	12300	14800
M60	90												4080	8180	10900	15300	18300
M64	95			46									4930	9890	13100	18500	22300
M68	(100)												5970	12000	16000	22500	27000

*Reference: Hexagon Head Bolt: ISO 4014-4018, 8676, 8768
 High Strength Hexagon Bolt: JIS B 1196
 Hexagon Socket Head Cap Screws: ISO 7380
 Hexagon Socket Button Head Screws: ISO 7380
 Hexagon Socket Set Screws: ISO 4026-4029
 TORX T/E: TORX Standard TMH series
 TORXPLUS IP/EP: TORXPLUS Standard CMH series
 Triple Square: DIN 2324/2325
 LHSTIX LH-S/SS: LH-S/SS Standard

* Standard Tightening Torque: Calculated based on Torque Coefficient (K): 0.2
 Axial Force (Ff) : 60% of Proof Strength(σ)

TORX® / TORXplus® BITS

		S1 (mm)	S2 (mm)
T6	6IP	1.7	1.2
T7	7IP	2.0	1.4
T8	8IP	2.3	1.7
T9	9IP	2.5	1.8
T10	10IP	2.7	2.0
T15	15IP	3.3	2.3
T20	20IP	3.9	2.8
T25	25IP	4.5	3.2
T27	27IP	5.0	3.6
T30	30IP	5.6	4.0
T40	40IP	6.7	4.8
T45	45IP	7.9	5.6
T50	50IP	8.9	6.2
T55	55IP	11.3	8.0
T60	60IP	13.3	9.5
T70	70IP	15.6	11.1
T80	80IP	17.6	12.7
T90	90IP	20.0	14.2
T100	100IP	22.2	15.8

PENTA-LOBE BITS

		S1 (mm)	S2 (mm)
8PR		2.2	2.0
9PR		2.4	2.2
10PR		2.6	2.4
15PR		3.1	2.8
20PR		3.6	3.3
25PR		4.1	3.8
27PR		4.7	4.3
30PR		5.2	4.8
40PR		6.3	5.7
45PR		7.4	6.7
50PR		8.4	7.6
55PR		10.6	9.7

XZN BITS

		S1 (mm)	S2 (mm)
M4		3.6	3.1
M5		4.8	4.1
M6		6.1	5.1
M8		7.3	6.1
M10		9.7	8.1
M12		11.5	9.7
M14		13.3	11.2
M16		15.7	13.2
M18		16.9	14.2

TORX® / TORXplus® SOCKETS

		S1 (mm)	S2 (mm)
E4	4EP	3.7	2.7
E5	5EP	4.6	3.3
E6	6EP	5.6	4.0
E7	7EP	6.1	4.3
E8	8EP	7.4	5.3
E10	10EP	9.3	6.8
E11	11EP	9.9	7.1
E12	12EP	11.0	7.9
E14	14EP	12.8	9.2
E16	16EP	14.6	10.5
E18	18EP	16.5	11.9
E20	20EP	18.3	13.2
E22	22EP	20.1	14.8
E24	24EP	22.0	15.7
E26	26EP	23.7	17.5
E28	28EP	25.5	18.3
E30	30EP	27.3	20.0
E32	32EP	29.0	21.3

LHstick® (LH-S) SOCKETS

		S1 (mm)	S2 (mm)
LH3S		3.8	4.7
LH4S		4.5	6.0
LH5S		5.6	7.5
LH6S		6.8	9.0
LH7S		7.9	10.5
LH8S		9.0	12.0
LH10S		11.3	15.0
LH12S		13.6	18.0
LH14S		15.8	21.0
LH16S		18.1	24.0

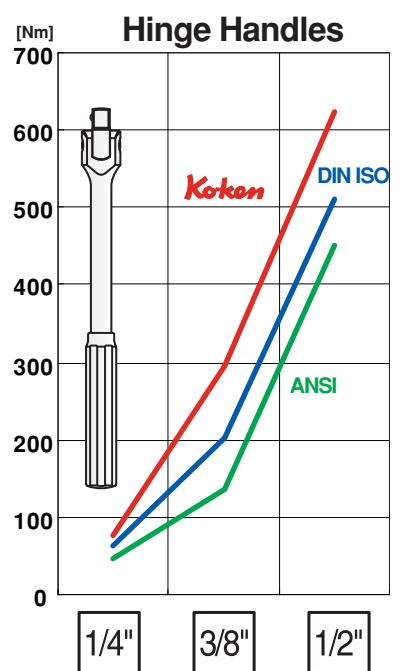
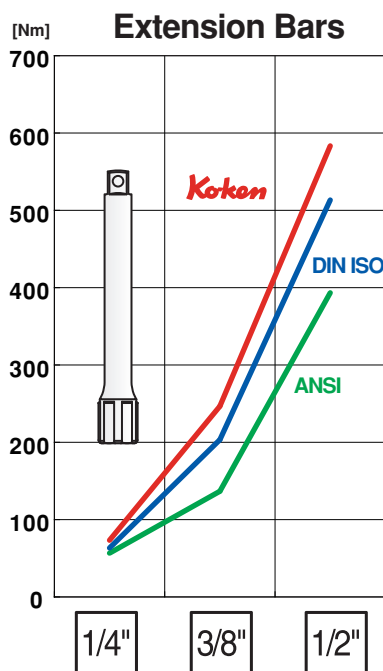
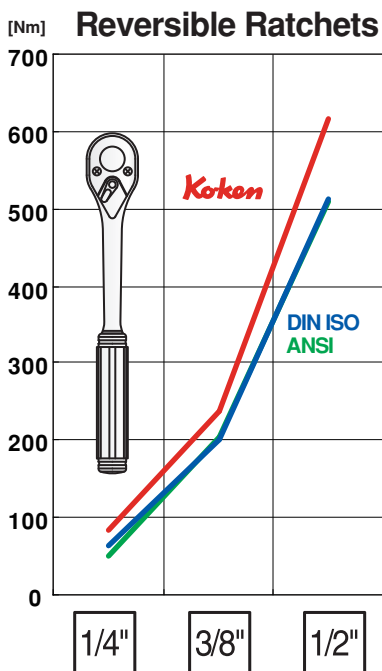
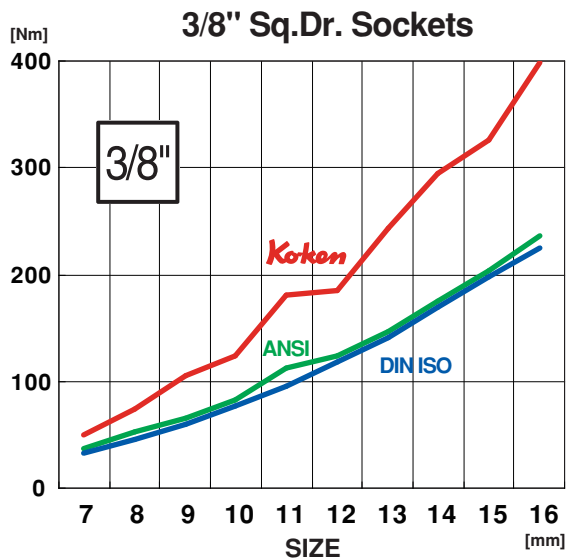
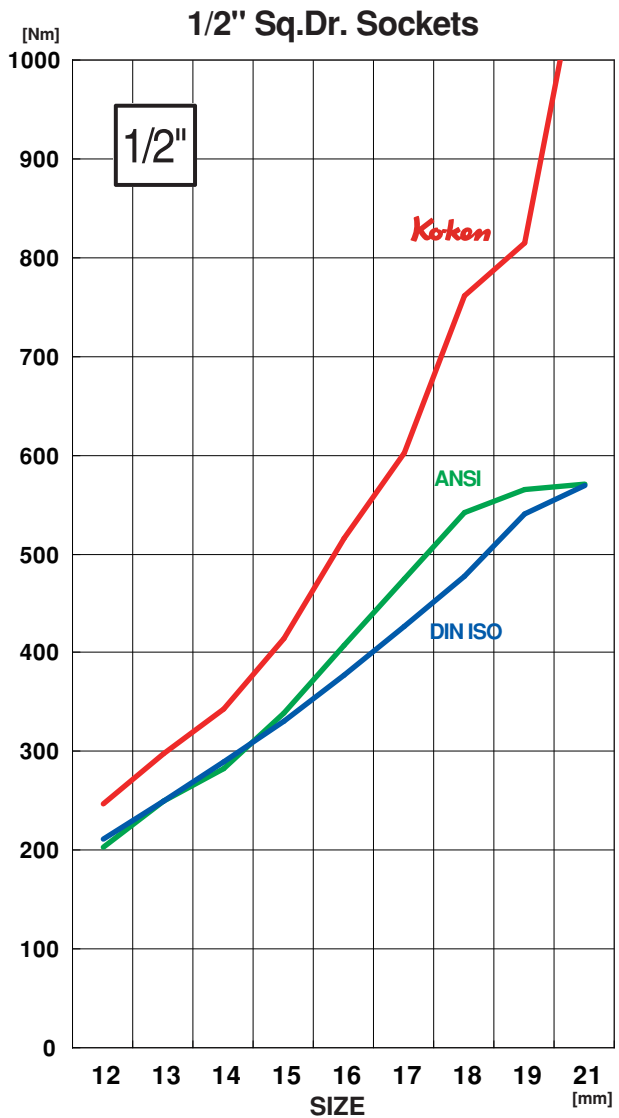
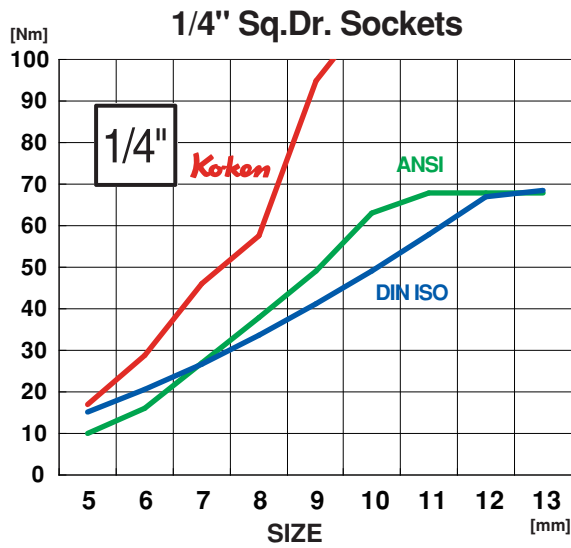
Ribe CV BITS

		W (mm)	S1 (mm)	S2 (mm)
M5		1.2	5.0	3.8
M6		1.3	6.0	4.5
M7		1.4	7.0	5.0
M8		1.8	8.0	6.0
M9		2.0	9.0	7.1
M10		2.3	10.0	7.4
M12		2.6	12.0	9.0
M13		3.1	13.0	11.0
M14		3.2	14.0	10.4
M16		3.6	16.0	11.9

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.
TORXplus® is a registered trademark of Acument Intellectual Properties, LLC.
TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.
LHstick® is a registered trademark of OSG CORPORATION System Engineering Department.
LHstick® es una marca registrada de OSG CORPORATION System Engineering Department.

Conversion Table: American Inches-Decimal Inches-Millimeter

		0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
in	dec.in.	Millimeter(mm)											
		1/64	0.01563	0	25.4000	50.8000	76.2000	101.6000	127.0000	152.4000	177.8000	203.2000	228.6000
1/32	0.03125	0.3969	25.7969	51.1969	76.5969	101.9969	127.3969	152.7969	178.1969	203.5969	228.9969	254.3969	279.7969
3/64	0.04688	1.1906	26.5906	51.9906	77.3906	102.7906	128.1906	153.5906	178.9906	204.3906	229.7906	255.1906	280.5906
1/16	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	230.1875	255.5875	280.9875
5/64	0.07813	1.9844	27.3844	52.7844	78.1844	103.5844	128.9844	154.3844	179.7844	205.1844	230.5844	255.9844	281.3844
3/32	0.09375	2.3813	27.7813	53.1813	78.5813	103.9813	129.3813	154.7813	180.1813	205.5813	230.9813	256.3813	281.7813
7/64	0.10938	2.7781	28.1781	53.5781	78.9781	104.3781	129.7781	155.1781	180.5781	205.9781	231.3781	256.7781	282.1781
1/8	0.12500	3.1750	28.5750	53.9750	79.3750	104.7750	130.1750	155.5750	180.9750	206.3750	231.7750	257.1750	282.5750
9/64	0.14063	3.5719	28.9719	54.3719	79.7719	105.1719	130.5719	155.9719	181.3719	206.7719	232.1719	257.5719	282.9719
5/32	0.15625	3.9688	29.3688	54.7688	80.1688	105.5688	130.9688	156.3688	181.7688	207.1688	232.5688	257.9688	283.3688
11/64	0.17188	4.3656	29.7656	55.1656	80.5656	105.9656	131.3656	156.7656	182.1656	207.5656	232.9656	258.3656	283.7656
3/16	0.18750	4.7625	30.1625	55.5625	80.9625	106.3625	131.7625	157.1625	182.5625	207.9625	233.3625	258.7625	284.1625
13/64	0.20313	5.1594	30.5594	55.9594	81.3594	106.7594	132.1594	157.5594	182.9594	208.3594	233.7594	259.1594	284.5594
7/32	0.21875	5.5563	30.9563	56.3563	81.7563	107.1563	132.5563	157.9563	183.3563	208.7563	234.1563	259.5563	284.9563
15/64	0.23438	5.9531	31.3531	56.7531	82.1531	107.5531	132.9531	158.3531	183.7531	209.1531	234.5531	259.9531	285.3531
1/4	0.25000	6.3500	31.7500	57.1500	82.5500	107.9500	133.3500	158.7500	184.1500	209.5500	234.9500	260.3500	285.7500
17/64	0.26563	6.7469	32.1469	57.5469	82.9469	108.3469	133.7469	159.1469	184.5469	209.9469	235.3469	260.7469	286.1469
9/32	0.28125	7.1438	32.5438	57.9438	83.3438	108.7438	134.1438	159.5438	184.9438	210.3438	235.7438	261.1438	286.5438
19/64	0.29688	7.5406	32.9406	58.3406	83.7406	109.1406	134.5406	159.9406	185.3406	210.7406	236.1406	261.5406	286.9406
5/16	0.31250	7.9375	33.3375	58.7375	84.1375	109.5375	134.9375	160.3375	185.7375	211.1375	236.5375	261.9375	287.3375
21/64	0.32813	8.3344	33.7344	59.1344	84.5344	109.9344	135.3344	160.7344	186.1344	211.5344	236.9344	262.3344	287.7344
11/32	0.34375	8.7313	34.1313	59.5313	84.9313	110.3313	135.7313	161.1313	186.5313	211.9313	237.3313	262.7313	288.1313
23/64	0.35938	9.1281	34.5281	59.9281	85.3281	110.7281	136.1281	161.5281	186.9281	212.3281	237.7281	263.1281	288.5281
3/8	0.37500	9.5250	34.9250	60.3250	85.7250	111.1250	136.5250	161.9250	187.3250	212.7250	238.1250	263.5250	288.9250
25/64	0.39063	9.9219	35.3219	60.7219	86.1219	111.5219	136.9219	162.3219	187.7219	213.1219	238.5219	263.9219	289.3219
13/32	0.40625	10.3188	35.7188	61.1188	86.5188	111.9188	137.3188	162.7188	188.1188	213.5188	238.9188	264.3188	289.7188
27/64	0.42188	10.7156	36.1156	61.5156	86.9156	112.3156	137.7156	163.1156	188.5156	213.9156	239.3156	264.7156	290.1156
7/16	0.43750	11.1125	36.5125	61.9125	87.3125	112.7125	138.1125	163.5125	188.9125	214.3125	239.7125	265.1125	290.5125
29/64	0.45313	11.5094	36.9094	62.3094	87.7094	113.1094	138.5094	163.9094	189.3094	214.7094	240.1094	265.5094	290.9094
15/32	0.46875	11.9063	37.3063	62.7063	88.1063	113.5063	138.9063	164.3063	189.7063	215.1063	240.5063	265.9063	291.3063
31/64	0.48438	12.3031	37.7031	63.1031	88.5031	113.9031	139.3031	164.7031	190.1031	215.5031	240.9031	266.3031	291.7031
1/2	0.50000	12.7000	38.1000	63.5000	88.9000	114.3000	139.7000	165.1000	190.5000	215.9000	241.3000	266.7000	292.1000
33/64	0.51563	13.0969	38.4969	63.8969	89.2969	114.6969	140.0969	165.4969	190.8969	216.2969	241.6969	267.0969	292.4969
17/32	0.53125	13.4938	38.8938	64.2938	89.6938	115.0938	140.4938	165.8938	191.2938	216.6938	242.0938	267.4938	292.8938
35/64	0.54688	13.8906	39.2906	64.6906	90.0906	115.4906	140.8906	166.2906	191.6906	217.0906	242.4906	267.8906	293.2906
9/16	0.56250	14.2875	39.6875	65.0875	90.4875	115.8875	141.2875	166.6875	192.0875	217.4875	242.8875	268.2875	293.6875
37/64	0.57813	14.6844	40.0844	65.4844	90.8844	116.2844	141.6844	167.0844	192.4844	217.8844	243.2844	268.6844	294.0844
19/32	0.59375	15.0813	40.4813	65.8813	91.2813	116.6813	142.0813	167.4813	192.8813	218.2813	243.6813	269.0813	294.4813
39/64	0.60938	15.4781	40.8781	66.2781	91.6781	117.0781	142.4781	167.8781	193.2781	218.6781	244.0781	269.4781	294.8781
5/8	0.62500	15.8750	41.2750	66.6750	92.0750	117.4750	142.8750	168.2750	193.6750	219.0750	244.4750	269.8750	295.2750
41/64	0.64063	16.2719	41.6719	67.0719	92.4719	117.8719	143.2719	168.6719	194.0719	219.4719	244.8719	270.2719	295.6719
21/32	0.65625	16.6688	42.0688	67.4688	92.8688	118.2688	143.6688	169.0688	194.4688	219.8688	245.2688	270.6688	296.0688
43/64	0.67188	17.0656	42.4656	67.8656	93.2656	118.6656	144.0656	169.4656	194.8656	220.2656	245.6656	271.0656	296.4656
11/16	0.68750	17.4625	42.8625	68.2625	93.6625	119.0625	144.4625	169.8625	195.2625	220.6625	246.0625	271.4625	296.8625
45/64	0.70313	17.8594	43.2594	68.6594	94.0594	119.4594	144.8594	170.2594	195.6594	221.0594	246.4594	271.8594	297.2594
23/32	0.71875	18.2563	43.6563	69.0563	94.4563	119.8563	145.2563	170.6563	196.0563	221.4563	246.8563	272.2563	297.6563
47/64	0.73438	18.6531	44.0531	69.4531	94.8531	120.2531	145.6531	171.0531	196.4531	221.8531	247.2531	272.6531	298.0531
3/4	0.75000	19.0500	44.4500	69.8500	95.2500	120.6500	146.0500	171.4500	196.8500	222.2500	247.6500	273.0500	298.4500
49/64	0.76563	19.4469	44.8469	70.2469	95.6469	121.0469	146.4469	171.8469	197.2469	222.6469	248.0469	273.4469	298.8469
25/32	0.78125	19.8438	45.2438	70.6438	96.0438	121.4438	146.8438	172.2438	197.6438	223.0438	248.4438	273.8438	299.2438
51/64	0.79688	20.2406	45.6406	71.0406	96.4406	121.8406	147.2406	172.6406	198.0406	223.4406	248.8406	274.2406	299.6406
13/16	0.81250	20.6375	46.0375	71.4375	96.8375	122.2375	147.6375	173.0375	198.4375	223.8375	249.2375	274.6375	300.0375
53/64	0.82813	21.0344	46.4344	71.8344	97.2344	122.6344	148.0344	173.4344	198.8344	224.2344	249.6344	275.0344	300.4344
27/32	0.84375	21.4313	46.8313	72.2313	97.6313	123.0313	148.4313	173.8313	199.2313	224.6313	250.0313	275.4313	300.8313
55/64	0.85938	21.8281	47.2281	72.6281	98.0281	123.4281	148.8281	174.2281	199.6281	225.0281	250.4281	275.8281	301.2281
7/8	0.87500	22.2250	47.6250	73.0250	98.4250	123.8250	149.2250	174.6250	200.0250	225.4250	250.8250	276.2250	301.6250
57/64	0.89063	22.6219	48.0219	73.4219	98.8219	124.2219	149.6219	175.0219	200.4219	225.8219	251.2219	276.6219	302.0219
29/32	0.90625	23.0188	48.4188	73.8188	99.2188	124.6188	150.0188	175.4188	200.8188	226.2188	251.6188	277.0188	302.4188
59/64	0.92188	23.4156	48.8156	74.2156	99.6156	125.0156	150.4156	175.8156	201.2156	226.6156	252.0156	277.4156	302.8156
15/16	0.93750	23.8125	49.2125	74.6125	100.0125	125.4125	150.8125	176.2125	201.6125	227.0125	252.4125	277.8125	303.2125
61/64	0.95313	24.2094	49.6094	75.0094	100.4094	125.8094	151.2094	176.6094	202.0094	227.4094	252.8094	278.2094	303.6094
31/32	0.96875	24.6063	50.0063	75.4063	100.8063	126.2063	151.6063	177.0063	202.4063	227.8063	253.2063	278.6063	304.0063
63/64	0.98438	25.0031	50.4031	75.8031	101.2031	126.6031	152.0031	177.4031	202.8031	228.2031	253.6031	279.0031	304.4031
		12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"
in.	dec.in.	Millimeter(mm)											
1/32	0.03125	304.8000	330.2000	355.6000	381.0000	406.4000	431.8000	457.2000	482.6000	508.0000	533.4000	558.8000	584.2000
1/16	0.06250	305.5938	330.9938	356.3938	381.7938	407.1938	432.5938	457.9938	483.3938	508.7938	534.1938	559.5938	584.9938
3/32	0.09375	306.3875	331.7875	357.1875	382.5875	407.9875	433.3875	458.7875	484.1875	509.5875	534.9875	560.3875	585.7875



Numerical Index

10099A	230	123PN	161, 277	13430M	185	14400-WN	194
100H	158	123PT	161	13440A	185	14400A	191
100P	158	12400A	176	13440M	185	14400M	191
100P (PZ)	158	12400AG	176	13440T	185	14400M-FR	249
100S	158	12400M	176	13460A	182	14400MG	193
100T (T)	158	12400MG	176	13460AG	182	14401A	192
100T (TH)	158	12410M	176	13460M	182	14401LH	193
100X (XZN)	158	12425	177	13460MG	182	14401M	192
101A	153	12460A	177	13465M	181	14401MS	191
101B	152	12460AG	177	135E	168	14405A	191
101H	152	12460M	177	137	150	14405M	191
101P	152	12460MG	177	13760	189	14406A	192
101S	152	12465M	177	13760-FR	249	14406M	192
101T (T)	152	124M (2B)	143	13770	190	14410M	193
101T (TH)	152	12760	178	13771	190	14415M	194
102KA	148	12770	178	13772-P	190, 263	14425	194
102KM	148	127C	253	138	150	14425-EPL	194
102KM (BH)	148	128H	153	139	150	14433A	204
102KT	148	128T	153	14012M	198	14440A	197
102NA	148	13012M	186	1401A	239	14440M	197
102NM	148	1301A	239	1401B	239	14444AL	203
103KA	149	1301B	239	1401C	238	14455A	204
103KM	149	1301C	238	14025	198	14465M	193
103KT	149	13025	186	1402A	239	14466A	204
10400A	230	1302A	239	1402B	239	144KM	255
10400M	230	1302B	239	1402C	238	145KM-10H	150
104A	142	1302C	238	141	136, 279	145LH3/8F	260
104M	142	13103M	137	14100A	135	14760	203
106	259	13105	186	14100M	135	14760-FR	249
107-11	187, 199, 234, 236	13105-11	186	14101M	269	14770	203
107-11 (IP)	187, 199	13105-11 (T)	186	14103M	137	14771	203
107-11 (T)	187, 199, 234, 236	13134	164	14105	198	14772-P	203, 263
107-11 (XZN)	187, 199, 234, 236	13137E	163	14105-11	200	148KM	255
107-16	201, 212, 220	13137H	163	14105-11 (T)	200	149	238
107-16 (IP)	201, 212, 220	13139	157	14105-11 (XZN)	200	150-10H	150
107-16 (T)	201, 212, 220	13140	159	14105-L105	200	150-14H	260
107-16 (XZN)	201, 212, 220	13142-D6.3	157	14105-L105 (T)	200	1500A	239
107-22	213, 221	13142-F11.2	164	14105L	198	1500B	239
107-22 (T)	213, 221	13142-F6.3	163	14106	201	152	238
107-32	226	13145A	263	14112	269	15300M	207
108H	156	13145M	188	14113J	267	15310M	207
108P	156	13145M (12P)	188, 257	14113M	267	15400A	206
108S	156	13145MG	188	14118M	266	15400M	206
108T (T)	156	13146M	189	14124	267	15410M	206
108T (TH)	156	13147M	189	14124/3	267	154K	260
110	168	131P	160	14134	164	154M	149
112	168	131PS	160	14137E	163	154ML	149
113	165	131S	160	14139	157	155	264
113 (2B)	165	131T	160	14140	159	15544A	207
113 (E)	165	13241M	190	14142-D6.3	157	15555AL	207
113UN	167	13242M	190	14142-F11.2	164	15566A	207
115	166	13300A	183	14142-F6.3	163	156M	142
115G	167	13300G	184	14145A	263	15770	207
115G-FR	250	13300M	183	14145M	202	157H	144
117	168	13300XG	183	14145PM	265	157P	144
119	167	13301A	184	14146M	202	157S	144
120	168	13301M	184	14147M	202	157T (T)	144
1200A	239	13301X	183	14184	277	158	259
1200B	239	13305M	184	141P	136, 279	1600C	238
1201	136, 279	13310M	184	141S	136, 279	1601A	239
1202	153	13322A	190	142	278	1601B	239
1203	150	13325	185	14201M	265	1602A	239
1205	283	13333AL	190	14203M	204	1602B	239
1206	260	13344A	190	14204M	204	160K	147
1210	261	13365M	185	14204T	204	16101M	269
1210E	261	13400-WN	182	14204X	204	16102M	270
1212	262	13400A	179	14207M	205	16106	212
12137E	163	13400AG	181	14208M	205	16106-16	212
12139	157	13400M	179	14241M	205	16107	213
12140	159	13400M-FR	249	14242M	205	16107-22	213
12142-F6.3	163	13400MG	181	14245M	205	16134	164
121H	162	13401A	180	14300A	195	16201A	215
121P	162	13401LH	182	14300G	197	16201M	215
121T (IP)	163	13401M	180	14300M	195	16245M	215
121T (T)	162	13401MS	179	14301A	195	162E	278
121T (TH)	163	13405A	179	14301M	195	162RK	289
12222AL	178	13405M	179	14301X	194	16300A	210
12233A	178	13406A	180	14305M	196, 263	16300M	210
12300G	178	13406M	180	14306M	196	16301A	211
12300M	178	13410M	181	14310M	196	16301M	211
12365M	178	13425	181	14325	197	16301X	210
123PG	161, 277	13425-EPL	181	14365M	197	16305M	211, 257

16316A	272	18301A	219	2300X	022	2768J	033
16316M	272	18301M	219	2300XZ	119	2768N	033
16317A	272	18301X	218	2305A	023	2768P	033
16317M	272	18316A	272	2305M	023	2768RK	288
16325	211	18316M	272	2310M	024	2769F	034
16400A	208	18317A	272	2325	024	2769H	034
16400M	208	18317M	272	23300A	244	2769N	034, 174
16401A	209	183H	164	23300M	244	2769NWF	034, 174
16401M	209	183T (T)	164	23305M	244	2770	035
16405A	208	183X (XZN)	164	23310M	244	2771	035
16405M	208	184.64	277	23325	244	2771Z	122
16425	209	18400A	216	23400A	243	2774J	032
16425-EPL	209	18400M	216	23400M	243	2774JS	031
165LM	161	18401A	217	23405M	243	2774JS-3/8	063
16644A	214	18401M	217	23410M	243	2774N	032
16655A	214	18405A	217	23425	243	2774P	032
16666AL	214	18405M	217	2350G-12PSG	255	2774P-1/4HF	157
16688A	214	186	168	2350M	024	2774P-5/16HF	159
166P	172	18760	222	2350X	022	2774PS	031
166PS/6	172	18770	222	23760	244	2774PS-3/8	063
166S	172	18771	222	2400A	020	2780	035
16760	213	18866A	223	2400M	020	2785	035
16770	214	18877A	223	2400MZ	119	280PM	265
16771	214	18888AL	222	2400W-BA	021	3000 (PH)	050
167A	170	1901A	239	2405A	020	3000 (PZ)	050
167C (2B)	170	1901B	239	2405M	020	3001	057
167M	170	1902A	239	2410M	021	3005	050
168C	173	1902B	239	2415A	022	3006	057
168CS	173	19300M	229	2415M	022	3010A	051
168H-B	171	19400A	228	2425	022	3010M	051
168P	173	19400M	228	24300A	246	3010MZ	125
168P (PZ)	171	19760	229	24300M	246	3011M	052
168PS/6	173	19770	229	24305M	246	3012A	058
168R	171	19977A	229	2430M	026	3012M	058, 259
168S	173	2000 (PH)	026	2430T	026	3015M	052
168T (250)	262	2000 (PZ)	026	24310M	246	3020	053
168T (IP)	286	2000Z	120	24400A	245	3025 (IP)	056
168T (TH)	171	2001A	239	24400M	245	3025 (PR)	056
168T/7 (TH)	171	2001B	239	24405M	245	3025 (T)	054
169	262	2002A	239	2440A	025	3025 (TH)	055
169/2	262	2002B	239	2440M	025	3025-100R (T)	054
169BP	262	2005	026	2440T	025	3025-100R (TH)	055
169HR	262	2005Z	120	24410M	245	3025-50-T35	054
169WM	262	2010A	027	2441M	025	3025Z	125
1700C	238	2010M	027	24425	245	3027	057
1701A	239	2010MZ	120	2445A	025	3110A	258
1701B	239	2011M	027	2445M	025	3110M	258
1702A	239	2020	028	2450MS	022	3112G	154
1702B	239	2025 (IP)	029	24760	246	3112N	154
170S	282	2025 (PR)	029	2715	145	3112RK	289
171	282	2025 (T)	028	2725RK	286	3116M	143
17108	226	2025 (TH)	028	2725Z	122	3117M	050
17108-32	226	2025Z	121	2725Z-3/8	126	3119	276
171B-1/2	283	2127	138	2726Z	122	3127	138
171S	282	2137	157	2726Z-3/8	126	3128	139
171SB-1/2	283	2138	159	2749N-3/8	059	3129	140
172	282	2201AM	036	2749P-1/4HF	157	3131A	147
17300A	225	2203A	036	2749P-3/8	059	3132	147
17300M	225	2203M	036	2749P-5/16HF	159	3137	157
17400A	224	22300A	242	2749PS-3/8	059	3138	159
17400M	224	22300M	242	2749RK	286	3141	160
17405A	225	2233A	035	2749RK-3/8	286	3200A	071
17405M	225	22400M	242	2752N	031	3200M	071
17760	227	22425	242	2752RK	286	3201AMW	071
17770	227	2250A	036	2753BRK	286	3206A	071
17788A	227	2250M	036	2753J	030	3206AM	071
17799A	227	2254M	036, 153	2753JB	031	3206M	071
1801A	239	2257M	037	2753N	030	3210M	072
1801B	239	2260M	037	2753NB	031	3215A	072
1801C	238	2261M	037	2753P	030	3215M	072
1802A	239	2262M	037	2753PB	031	3217M	072
1802B	239	2274A	037	2753PS	030	3220M	072
1802C	238	2274M	037	2753RK	286	3221M	072
18101M	269	2275	038	2755	032	3225A	254
18102M	270	2276	038	2755RK	288	3240M	073
18104M	219	2277	038	2756	032	3244	072
18106	220	2277A-12P	038	2756Z	122	3247	055, 261
18106-16	220	2285ZE	122	2756Z-3/8	122	3250M	073
18107	221	2300A	023	2760	033	3252M	073
18107-22	221	2300M	023	2760Z	122	3275	074
18300A	218	2300MZ	119	2762	032	3276	074
18300M	218	2300W-BA	023	2763	033	3277	074

Numerical Index

3279AM	074	3749SRK-1/2	287	4112G	154	4440A	080
3285Z	128	3751J	254	4112N	154	4440M	080
3285ZA	128	3751N	254	4112RK	289	4440T	080
3285ZE	128	3752J	060	4117M	081	4450M	077
3300A	044	3752N	060	4122	256	4466A	097
3300C	252, 253	3752RK	286	4127	139	4711X	146
3300CB	252	3753BRK	286	4128	139	4715	146
3300CZ	124	3753J	061	4129	141	4715S	146
3300FN	047, 256	3753JB	062	4132	147	4715SL	146
3300M	044	3753N	061	4133	256	4725RK	287
3300M (L120)	045	3753NB	062	4137	157	4725Z	129
3300M/4-L120	045, 261	3753P	061	4138	159	4747	097
3300MZ	124	3753PB	062	4141	160	4749J	088
3300S	252	3753RK	286	4202	259	4749N	088
3300W	046	3753SM	061	4203M	137	4749RK	287
3300X	043	3753SMB	062	4203MF	137	4750BRK	287
3300XA	043	3755	066	4211A	134	4750J	089
3300XZ	123	3755RK	288	4211M	134	4750JB	089
3305A	044	3756	066	4214M	134	4750N	089
3305M	044	3756Z	127	4222M	098	4750NB	089
3305M (L120)	045	3757	066	4223M	098	4750P	089
3305M/4-L120	045	3760	067	4227M	098	4750PB	089
3305P	252, 253	3760Z	127	4230A	098	4750RK	287
3305PZ	124	3762	066	4230M	098	4752J	090
3305W	046	3763	067	4232M	098	4752N	090
3305X	043	3768J	068	4238AM	100	4752RK	287
3305XA	043	3768N	068	4240A	099	4753BRK	287
3310M	045	3768P	068	4240M	099	4753J	090
3322A	070	3768RK	288	4241A	100	4753JB	091
3322AZ	127	3768Z	127	4241M	100	4753N	090
3325	046	3768ZRK	288	4244A	100	4753NB	091
3340C	253	3769H	069	4244M	100	4753P	090
3340M	049	3769N	069, 174	4248M	101	4753PB	091
3341G	255	3769NWF	069, 174	4250M	101	4753RK	287
3342G	255	3770	069	4251A	101	4755	095
3344A	070	3771	069	4251M	101	4755RK	288
3350M	047	3771Z	127	4252A	101	4756	095
3350M (L120)	047	3774J	063	4252M	101	4756Z	130
3350M/2-L120	047, 261	3774JB	064	4254	101	4760	096
3350X	043	3774JBL	065	4261M	102	4760Z	129
3400A	040	3774JL	065	4263M	102	4763	096
3400LH	043	3774N	063	4273AM	102	4768J	094
3400M	040, 259	3774NB	064	4275	103	4768N	094
3400M-24	259	3774NL	065	4276	103	4768P	094
3400MZ	123	3774P	063	4277	103	4768RK	288
3400W	041	3774P-SR	064	4279AM	103	4768Z	129
3405A	040	3774PB	064	4282	260	4768ZRK	288
3405M	040	3774PL	065	4285Z	130	4770	095
3405W	041	3774PS	063	4285ZE	130	4771	095
3410M	041	3776J	060	4289M	103	4771Z	130
3415A	041	3776N	060	4300A	078	4774J	092
3415M	041	3776P	060	4300C	252	4774JB	093
3425	042	3780	070	4300H	257	4774N	092
3425 (2B)	042	3785	070	4300H (8P)	257	4774NB	093
3430M	049	4000 (PH)	081	4300M	078	4774P	092
3440A	048	4000 (PZ)	081	4300M (L110)	266	4774PB	093
3440M	048	4001	081	4300M (L120)	079	4780	096
3440T	048	4005	081	4300M (L60)	266	4781N	095
3441M	049	4006	081	4300S	252	4785	097
3445A	048	4010A	082	4300TW	283	4788	097
3445M	048	4010M	082	4305A	078	6012M	105
3445W	048	4010M (12P)	257	4305M	078	6100M	135
3450M	042	4012A	087	4310M	079	6100MRK	289
3701	254	4012M	086, 264	4325	079	6101	264
3715	145	4020	083	4325 (L140)	080	6102M	270
3715S	145	4020 (MH)	258	4325 (L140)-2B	080	6112	154
3715SL	145	4025 (IP)	085	4340C	253	6112RK	289
3715SLK	145	4025 (T)	084	4400A	075	6201A	110
3716	145	4025-60-T35	084	4400LH	077	6201M	110
3725RK	286	4027	085	4400M	075	6212A	110
3725Z	126	4100A	134	4400M-DU	264	6212M	110
3725ZS	126	4100ARK	289	4400MZ	129	6260A	111
3726Z	126	4100M	134	4400W	076	6260M	111
3726ZS	126	4100MRK	289	4405A	075	6268M	111
3749BRK	286	4101	264	4405M	075	6300A	105
3749N	059	4102	259	4405M-DU	264	6300M	105
3749RK	286	4103M	137	4405W	076	6305A	105
3749S	059	4104	136	4410M	076	6305M	105
3749S-1/2	088	4109M	258	4425	076	6400A	104
3749SB	059	4110A	258	4425-EPL	077	6400M	104
3749SB-1/2	088	4110M	258	4425-N	077, 263	6405A	104
3749SBRK-1/2	287	4111M	258	4433A	097	6405A-MV	264

6405M	104	D4753J	090	RS2127/6	138	RS3425/4 (2B)	042
6425	104	HA001	281	RS2300A/9	023	RS3425/9	042
6644A	109	HA002	281	RS2300M/11	023	RS3430M/6	049
6688A	109	HA003	281	RS2300MZ/12	119	RS3440A/8	048
6749	106	HA004	281	RS2300X/11	022	RS3440M/8	048
6749RK	287	KP14101	268	RS2300XZ/9	119	RS3440T/8	048
6752	106	KP14101/6H	268	RS2305A/9	023	RS3441M/5	049
6752RK	287	KP14101/6S	268	RS2305M/11	023	RS3445W/7	048
6755	107	NV13105	234	RS2310M/11	024	RS3450M/10	042
6755RK	288	NV13145	233	RS2400A/9	020	RS3450M/8	042
6760	107	NV13400	233	RS2400M/11	020	RS3X00MZ/12	124
6768	108	NV13760	233	RS2400MZ/12	119	RS4010A/10	082
6768RK	288	NV14105	236	RS2400W/9-BA	021	RS4010M/10	082
6770	109	NV14145	235	RS2405A/9	020	RS4012A/10	087
6785	108	NV14400	235	RS2405M/11	020	RS4012M/10	086
6788	108	NV14433A	235	RS2410M/11	021	RS4020/6	083
8012M	113	NV14760	235	RS2425/6	022	RS4025/9	084
8102M	270	NV16400	237	RS2445A/9	025	RS4025/9-IP	085
8200A	116	NV16760	237	RS2450MS/6	022	RS4027/6	085
8200M	116	P2201AM	039	RS3010A/8	051	RS4127/6	139
8225M	116	P2251M	039	RS3010M/8	051	RS4129/5	141
8400A	112	P2258M	039	RS3010MZ/8	125	RS4300A/10	078
8400M	112	P2281A-12P	039	RS3012A/8	058	RS4300M/10	078
8405A	112	P2285Z	122	RS3012M/8	058	RS4305A/10	078
8405M	112	P3262M-6P	073	RS3015M/8	052	RS4305M/10	078
8749	114	P4241M	102	RS3020/6	053	RS4310M/10	079
8749RK	287	PK1301C	238	RS3020/7	053	RS4325/7	079
8760	113	PK1302C	238	RS3025/8	054	RS4400A/10	075
8768	114	PK1401C	238	RS3025/8-IP	056	RS4400LH/6	077
8768RK	288	PK1402C	238	RS3025/8-L100R	054	RS4400M/10	075
8770	113	PK1600C	238	RS3025/8-L100RH	055	RS4400MZ/10	129
8785	114	PK166PS/6	172	RS3025/9-HOLE	055	RS4400W/8	076
8788	114	PK168PS/6	173	RS3025/9-PR	056	RS4405A/10	075
8866A	113	PK1801C	238	RS3025Z/8	125	RS4405M/10	075
AG112A	155	PK2346/6	070	RS3027/5	057	RS4405W/8	076
AG112F	155	PK2760/6	033	RS3127/8	138	RS4410M/10	076
AG112H	155	PK2763/6	033	RS3129/6	140	RS4425/6-EPL	077
AG318A	155	PK3760/6	067	RS3300A/9	044	RS4425/6-N	077, 263
AL4400M	266	PK3763/6	067	RS3300FN/6	047, 256	RS4425/7	076
AN112A	155	PK4760/5	096	RS3300M/12	044	RS4450M/10	077
AN112C	155	PK4763/5	096	RS3300M/8	044	RSAL-200	128
AN14300	266	PW6	271	RS3300MZ/12	124	RSAL-300	128
AN318A	155	PW8	271	RS3300MZ/8	124	RSAL200-1/4×12	128
AR14300	266	PW8L	271	RS3300W/7	046	RSAL200-3/8×8	128
AS2305A	024	PW8P	271	RS3300X/8	043	RSAL300-1/2×10	128
AS2405A	021	PW8P/4	271	RS3300XA/9	043	RSAL300-3/8×12	128
AS2445A	025	R810	149	RS3300XZ/12	123	RSAS2305A/10	024
BD003E-I	276	R810A	151	RS3300XZ/8	123	RSAS2405A/10	021
BD004	278	R810B	151	RS3305A/9	044	RSX025/11-IP	056
BD008E (12P)	274	R810C	151	RS3305M/12	044	RSX025/11-PR	056
BD011SE	275	R810D	151	RS3305M/8	044	S14240M	205
BD013E	276	R810E	151	RS3305W/7	046	S3240A	073
BD014E	274	RS13025/8	186	RS3305X/8	043	S3240M	073
BD014E-SF	275	RS13301X/9	183	RS3305XA/9	043	S4240A	099
BD014SE	274	RS13401M/9	180	RS3310M/12	045	S4240M	099
BD014XE-SF	275	RS13401MS/5	179	RS3325/9	046	SP4122	256
BD016E	280	RS14012M/10	198	RS3340M/8-L75	049	SP4300M	256
BD016E-SF	280	RS14025/6	198	RS3350M/5	047	SP4305M	256
BD016JE	280	RS14124/7	267	RS3400A/9	040	ST4027	257
BD016JE-SF	280	RS14301X/10	194	RS3400LH/7	043	TI4261M	132
BD017E	276	RS14401M/10	192	RS3400M/12	040		
BD018	276	RS2010A/8	027	RS3400M/8	040		
BD022	168	RS2010M/7	027	RS3400MZ/12	123		
BD023E	277	RS2025/7	028	RS3400MZ/8	123		
BD024E	277	RS2025/7-HOLE	028	RS3400W/7	041		
BD14400MJ	280	RS2025/7-IP	029	RS3405A/9	040		
CLIP.P/5-1/2	128	RS2025/7-PR	029	RS3405M/12	040		
CLIP.P/5-1/4	128	RS2025Z/7	121	RS3405M/8	040		
CLIP.P/5-3/8	128	RS20XXZ/9	120	RS3405W/7	041		
D3753J	061	RS2127/10	138	RS3410M/12	041		

Reproduction in whole or in part without proper and prior authorization is prohibited.
Prohibida la reproducción total o parcial sin la debida autorización previa.

本商品目錄之全部版權,係歸於株式會社山下工業研究所(Kokon TOOL CO.,LTD.)所有,不論其部分或全部,未經本公司許可,均不得複製

Koken[®]

