

The background of the entire page is a solid red color. Overlaid on this background are various white line-art outlines of mechanical tools and components. On the left side, there are outlines of a wrench, a nut, and a bolt. On the right side, there are outlines of a gear, a circular saw blade, a rectangular block, and a circular component with concentric rings. The word "Koken" is written in a large, white, bold, rounded font across the center of the image. A registered trademark symbol (®) is located at the top right of the word.

Koken[®]

Koken TOOL CO., LTD.





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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Pictograms Socket openings / Bit shape					
	FLAT DRIVE® (6-point)		TORX® (E)		TORX® (T)
	FLAT DRIVE® (12-point)		NUT GRIP® / TORX® (E)		Tamper-Resistant TORX® (TH)
	NUT GRIP®		TORXplus® (EP)		TORXplus® (IP)
	NUT GRIP® (3-ball)		Tamper-Resistant TORXplus® (EPR)		Tamper-Resistant TORXplus® (IPR)
	Surface Drive		LH-STIX® (LH-S)		Triple-Square(XZN)
	PATHFINDER®		Bit Holder		Triple-Square with Hole(XZN)
	Flare Nut		Phillips		Ribe-CV
	Square		Slotted		POLYDRIVE
	Double Square		Hexagon		Double-Hexagon
	Stud Bolt Puller		PZ		Socket Set on Rail
	NUTTWISTER®		Square Male		

Pictograms Mechanics / Specification					
	S.O.D.H®-System		Thin-Walled(6-point)		1/4"(6.35mm) Sq. Dr.
	S.O.D.H®-System (4750 series)		Thin-Walled(12-point)		3/8"(9.5mm) Sq. Dr.
	Two-Step Dog		with Magnet		1/2"(12.7mm) Sq. Dr.
	Three-Step Dog		20 tooth Gear		5/8"(15.9mm) Sq. Dr.
	Quick Release Button		24 tooth Gear		3/4"(19.0mm) Sq. Dr.
	Flexible Head		30 tooth Gear		1"(25.4mm) Sq. Dr.
	Swivel Head		36 tooth Gear		1.1/2"(38.1mm) Sq. Dr.
	L/R Marking		44 tooth Gear		2.1/2"(63.5mm) Sq. Dr.
	Oval Shape Shank		45 tooth Gear		3.1/2"(88.9mm) Sq. Dr.
	Wobble-Fix		60 tooth Gear		Caution
			72 tooth Gear		Modification

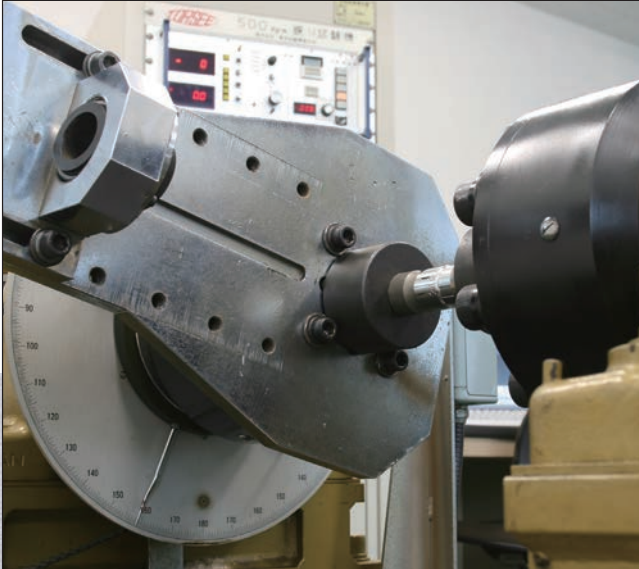


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■ TEST AND LABORATORY



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



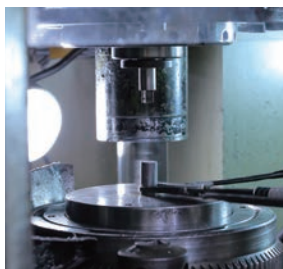
The 3D-CAD is used to improve standard products, designing new products and making customized items for special requirements. Trial products are regularly developed, manufactured and tested to improve the durability, appearance and functionality of all tools produced by Ko-ken.



■ 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. On the other hand, 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.



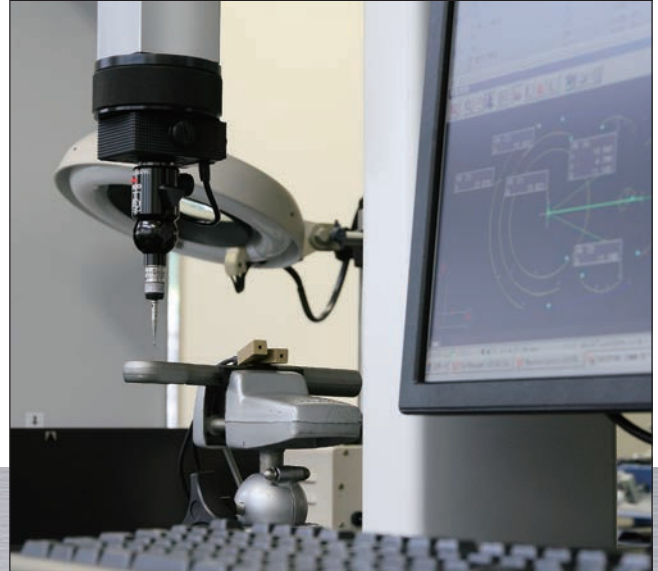
■ HEAT TREATMENT



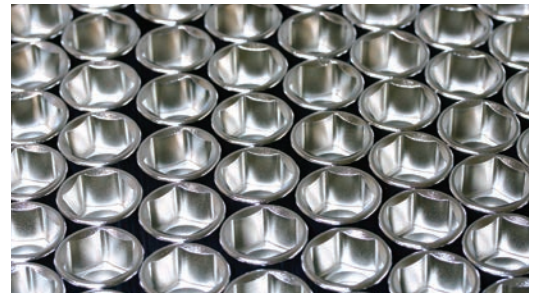
To make the tools stronger and more durable, proper heat treatment is critically important. The temperature and the time of the heat treatment are strictly regulated by a very accurate control device.



■ INSPECTION

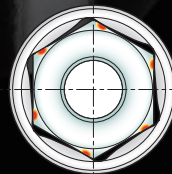


Our products are periodically checked at each production process by inspection devices. Highly accurate 3-D measuring instruments are used to inspect and check dimensions.





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



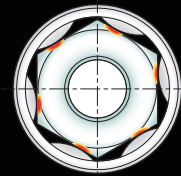
SURFACE DRIVE



SURFACE DRIVE



Surface drive sockets are designed to retain contact with the flat sides of the nut in order to 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.

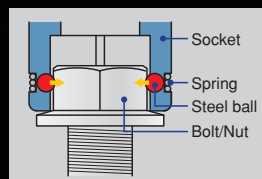
NUT GRIP®



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®



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



SODH®-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



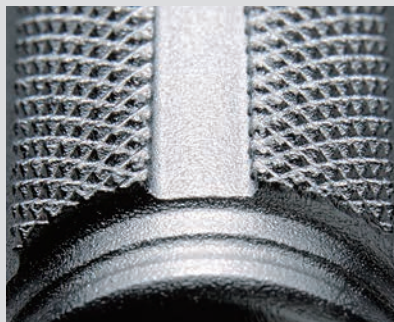
OVAL SHAPE SHANK



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.



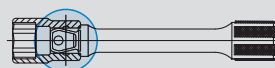
WOBBLE-FIX



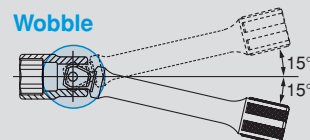
One use as a flexible extension bar permitting movement up to 15° angle and the other as a normal extension bar.

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.

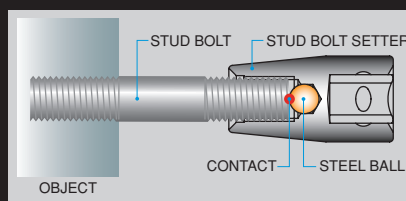


STUD BOLT PULLER

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.



STUD BOLT SETTER



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.



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.



2 BODY SHAPE

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



ATTACK DRIVER®





FREE-TURN GRIP



FREE-TURN
CROSS WRENCH



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



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. Colour coded shafts make size identification easy.

SPARK PLUG SOCKET



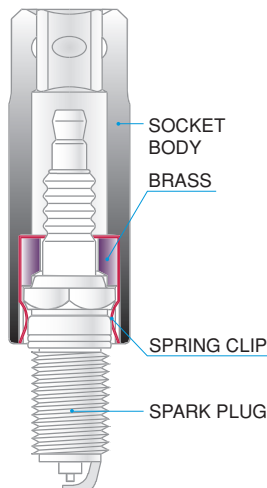
SPARK PLUG SOCKET

CLIP TYPE

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

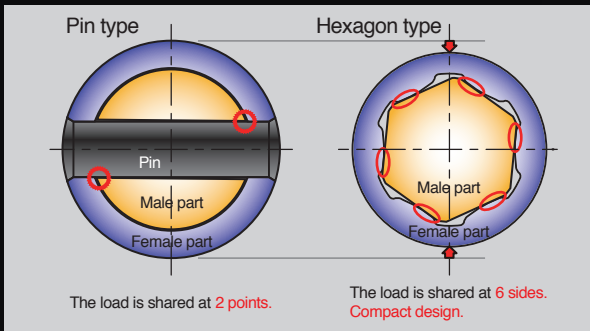
Internal brass guide holds the clips in place ensuring perfect alignment of the spark plug into the threaded plughole of the cylinder head and thus preventing thread damage.

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



UNIVERSAL JOINT

Hexahedral engagement achieved with compact design

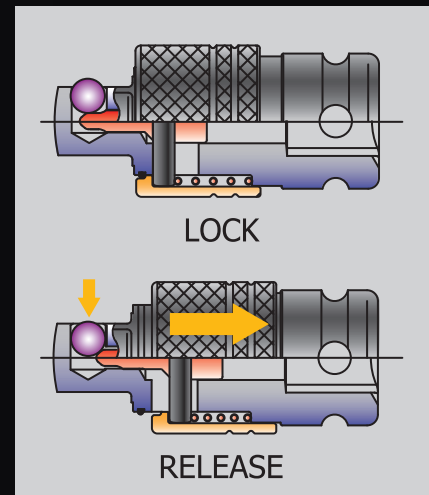


Ball type universal joints use a new structure of joint mechanism without a pin. Being connected by mutually engaged hexahedrons, the load is dispersed across the whole outer circumference. High durability is obtained with this innovative, compact design.



LOCKING ADAPTOR

Impact sockets can be attached or detached on the LOCKING ADAPTOR for safety just by sliding the holder rather than using a pin and an O-ring. It can reduce the time to change a socket, especially when you need to use a variety of socket sizes.





NUTTWISTER®

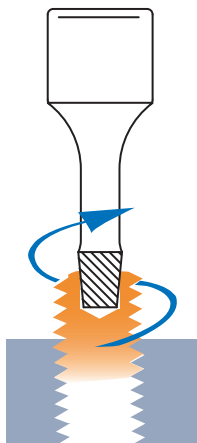


The NUTTWISTER's six teeth have a special helical structure that tapers inward, locking onto the rounded-off bolt or nut for removal. NUTTWISTER can be applied to any round bolts like stud bolts, cap bolts, provided the correct size is used and the bolt or nut is unbroken.

BOLTTWISTER®



Use the BOLTTWISTER to remove a broken bolt whose head has come off.
After drilling a hole in the center of the broken bolt, insert BOLTTWISTER into the hole and turn it counterclockwise until it sticks.
The bolt can be removed by continuing to turn it.



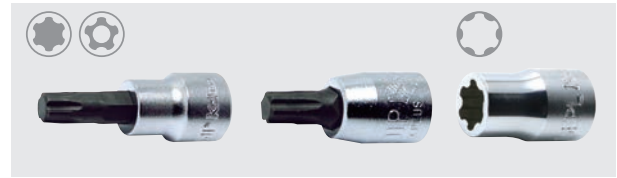
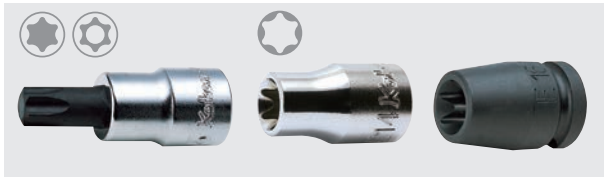
License

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® & TORXPLUS®



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LHSTIX®



Line Head Straight
LH-S series



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Registered Trademarks

Koken®



Koken TOOL CO., LTD.®

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

山下工業研究所®

山下工研®

SODH®-System

Flatdrive®

ATTACK DRIVER®

HANDY-ENDY®

PATHFINDER®

Nut Grip®

LOCK NUT BUSTER®

NUTTWISTER®

BOLT TWISTER®

Aerial Photograph



Warranty

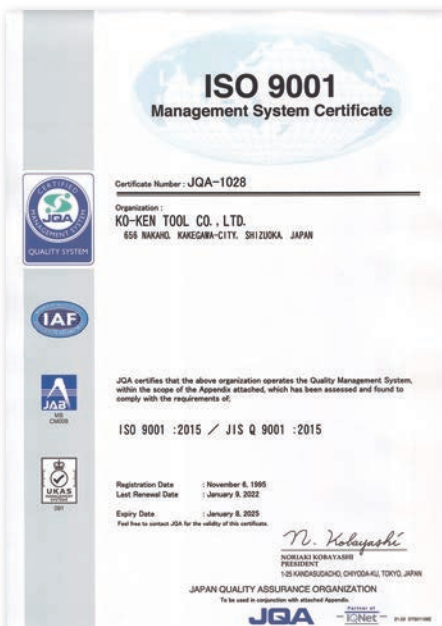
WARRANTY

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

GARANTIA

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

Z-series



Koken Z-series

Z series - Evolution of Automotive service Lineup



Z-series MOVIE

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS/REPOSTO

■ - CONCEPT -

Continued advancements in engine designs and structures are producing engines that are more complex and compact.

Work environments are being transformed to cater towards increased demands on auto mechanics. We at Ko-ken TOOL CO., LTD., specialists in socket wrench manufacturing, have been committed to the development of automotive tools that are more suitable by pouring in our passion for perfecting hand tools and utilizing our experience obtained through over half a century of manufacturing to create the Z series.

"Z" stands for "zeal". Through their unequalled performance, Z-Series tools are certain to become the mechanic's new standard for the next generation of automotive tools.

■ - OVERALL -



• Designed for best performance

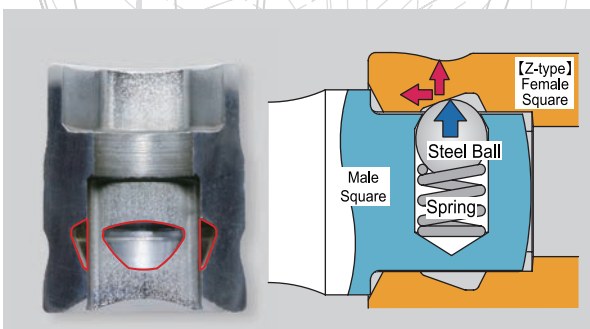
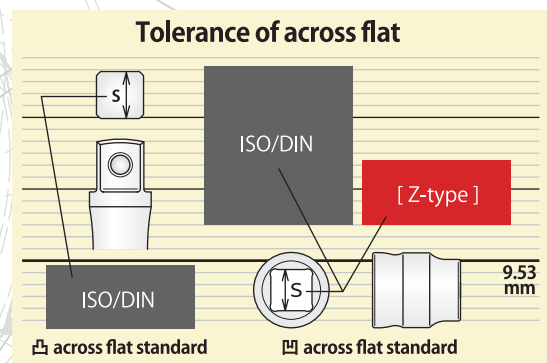
The designs were thoroughly reviewed to produce the Z-series.

All items in this series are now more compact. Foregoing standards, radical design concepts have been implemented in producing the Z series which enables maximum potential in all professional mechanics.

• Tolerance – Square drive

Movement at the joint between a socket and a ratchet or other drive accessory has been accepted as unavoidable.

To reduce this movement, we thoroughly reviewed dimensional accuracy of all the joint parts of Z-Series, and any movement in the rotating direction has now been minimized through production technologies.



• Ball Holding Groove

The new Ball Holding system was installed. Any movement in the connecting direction has been reduced by a mechanism that pulls the parts together.

- REVERSIBLE RATCHET -

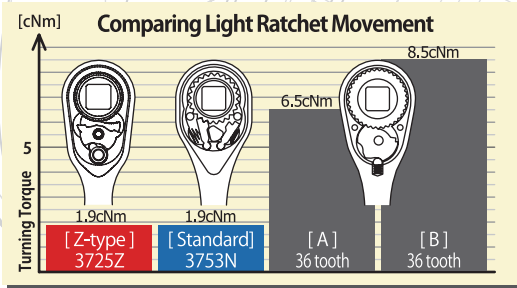


• 72 tooth gear Ratchet Handle - Light Ratchet Movement

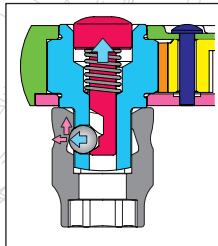
This ratchet handle has a new mechanism for enhanced usability.

This Ratchet has incredibly light turning torque that enables working on loosely tightened bolts.

With the compact head and balanced design, the Z-Series ratchet has evolved into what can be called the "ideal ratchet handle".

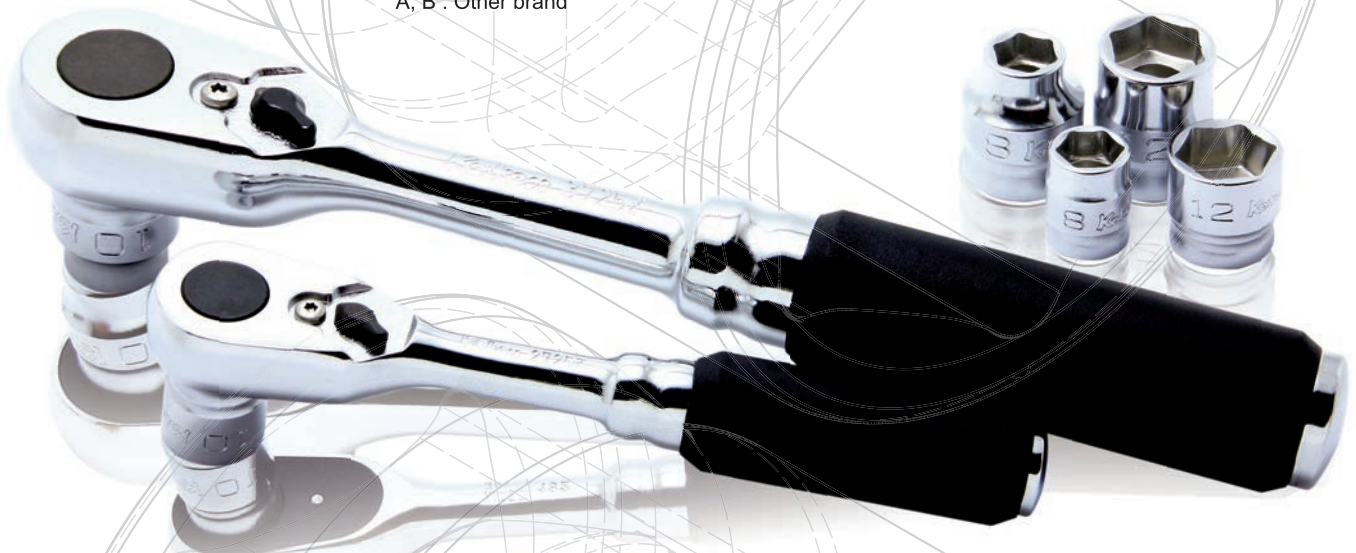


A, B : Other brand



• Push release : Locking type

Innovative new locking mechanism is installed. This new mechanism achieved both of locking a socket and also unique feature of Z-series pulls parts together for tight connection.



- SOCKETS -

• Compact

The length and diameter of sockets have been significantly reduced.

Ideal for working in confined and tight areas.

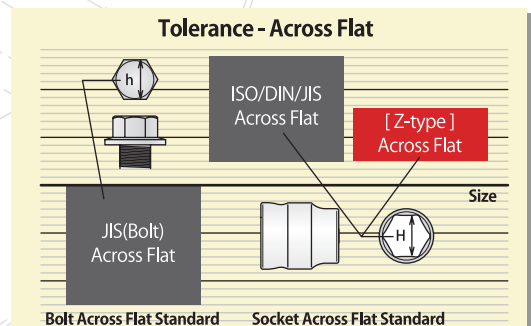
- Comparison of 10mm Sockets-

[Z-type] 2400MZ-10 [Standard] 2400M-10 [Z-type] 3400MZ-10 [Standard] 3400M-10



• Tolerance - Hexagon Opening.

Foregoing the ISO and DIN standards, radical design concepts have been implemented in producing the Z series which enables maximum potential in all professional mechanics.



Z-series 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

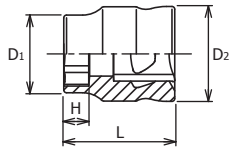
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUÉS

2400MZ 6-point Sockets Vasos Hexagonales



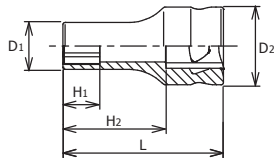
2400MZ (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	6.4	11	3	14	6	10
4.5	7	11	3	14	6	10
5	7.6	11	3	14	6	10
5.5	8.2	11	3.5	14	6	10
6	8.8	11	3.5	14	6	10
7	9.9	11	3.5	14	6	10
8	11.1	11.7	4.5	15	7	10
10	13.5	12.5	7	15	8	10
11	14.7	13.2	7	15	9	10
12	15.9	14.4	7	15	11	10
13	17.1	15.6	7	15	14	10
14	18.3	16.8	7	15	16	10

RS2400MZ/12 Socket Set on Rail Juego de Vasos en Regleta



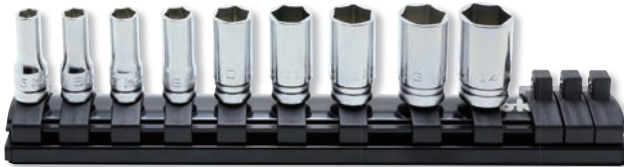
RS2400MZ/12	12 Pieces Set/Rail 200mm	(g)
4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14		228

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



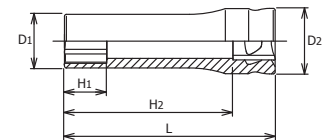
2300XZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
5.5	8.2	11	6	20	30	10	10
6	8.8	11	7	20	30	10	10
7	9.9	11	8	20	30	11	10
8	11.1	11.7	9	20	30	13	10
10	13.5	12.5	11	20	30	16	10
11	14.7	13.2	12	20	30	19	10
12	15.9	14.4	13	20	30	22	10
13	17.1	15.6	14	20	30	26	10
14	18.3	16.8	14	20	30	30	10

RS2300XZ/9 Socket Set on Rail Juego de Vasos en Regleta



RS2300XZ/9	9 Pieces Set/Rail 200mm	(g)
5.5, 6, 7, 8, 10, 11, 12, 13, 14		290

2300MZ 6-point Deep Sockets Vasos Hexagonales Largos



2300MZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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 Socket Set on Rail Juego de Vasos en Regleta



RS2300MZ/12	12 Pieces Set/Rail 200mm	(g)
4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14		445

	2441MZ (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	8	12.3	11.7	4.5	30.5	18	10
New	10	14.3	11.7	4.5	30.5	20	10
New	12	16.8	11.7	5.5	31.5	25	10
New	13	18	11.7	5.5	31.5	27	10
New	14	20	11.7	7	33	31	10

	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.)
	1	11.2	4	34	50	11	10
	2	11.2	5	34	50	13	10
	3	11.2	-	34	50	16	10

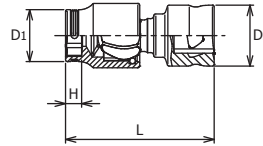
	2005Z.25	T x W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
	5	1.0 x 5.5	11.2	9	25	9	10
	6	1.2 x 6.5	11.2	9	25	10	10

	2010MZ.25 (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

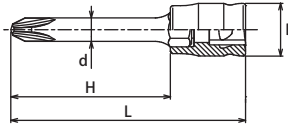
	2010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
	3	11.2	4	34	50	11	10
	4	11.2	5	34	50	13	10
	5	11.2	6	34	50	15	10
	6	11.2	-	34	50	17	10

RS20XXZ/9	9 Pieces Set/Rail 200mm	(g)
2000Z.28	1, 2, 3	213
2005Z.25	5, 6	
2010MZ.25	3, 4, 5, 6	

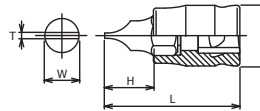
2441MZ Nut Grip Universal Sockets **Nut Grip®** Vasos Sujeta-Tuercas con Articulación Universal



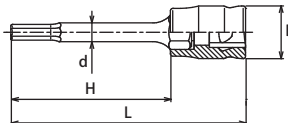
2000Z-28 • -50 PH Bit Sockets Vasos con Punta PH



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



2010MZ-25 • -50 Inhex Bit Sockets Vasos con Punta Hexagonal



RS20XXZ/9 Socket Set on Rail Juego de Vasos en Regleta



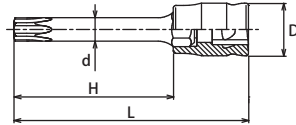
Z-series 1/4"

Z-SERIES
HAND MANUALES
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

2025Z-28 • -50



TORX® Bit Sockets
Vasos con Punta TORX®



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.)
T10	11.2	4	34	50	11	10
T15	11.2	4	34	50	11	10
T20	11.2	4.5	34	50	12	10
T25	11.2	5	34	50	13	10
T27	11.2	5	34	50	13	10
T30	11.2	5.6	34	50	15	10
T40	11.2	-	34	50	17	10

RS2025Z/7-L28 RS2025Z/7-L50



Socket Set on Rail
Juego de Vasos en Regleta

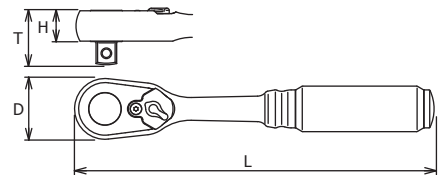


RS2025Z/7-L28	7 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40		195

RS2025Z/7-L50	7 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40		220

2725Z

Reversible Ratchet
Llave de Carraca Reversible

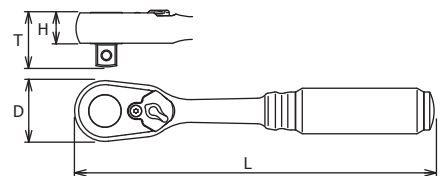


2725Z	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z	20.5	17.1	9.5	114	79	1

* Renewal Kits → 2725RK-2 → P322

2725Z-160

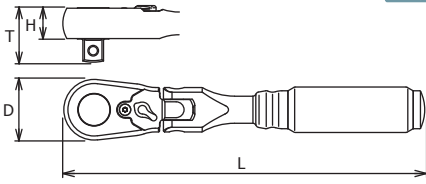
Reversible Ratchet
Llave de Carraca Reversible ⚠



2725Z-160	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z-160	20.5	17.1	9.5	160	115	1

* Renewal Kits → 2725RK-2 → P322

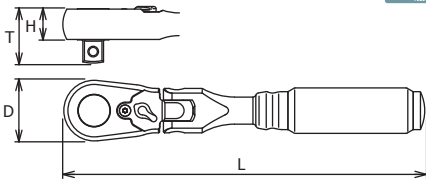
⚠ 2725Z-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z	20.5	17.1	9.5	114	103	1

* Renewal Kits → 2725RK-2 → P322

2726Z Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-160	20.5	17.1	9.5	160	125	1

* Renewal Kits → 2725RK-2 → P322

2726Z-160 Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta) ⚠



⚠ 2726Z-160 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.



Z-SERIES
HAND MANUALES
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 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
MANGUITO

INDUSTRIAL
INDUSTRIALES

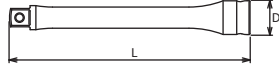
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

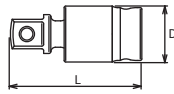
RENEWAL KITS
JUEGOS DE PIEZAS/REPUÉS

2760Z Extension Bars Alargaderas

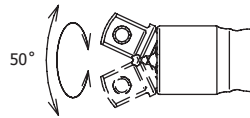


2760Z	D (mm)	L (mm)	(g)	(pcs.)
50	11.5	50	21	10
100	11.5	100	39	10
150	11.5	150	58	10

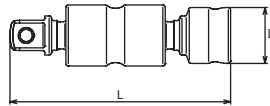
2771Z Universal Joint Articulación Universal



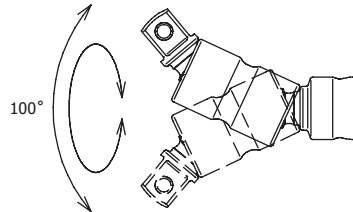
2771Z	D (mm)	L (mm)	(g)	(pcs.)
2771Z	11.7	29.9	15	10



2772Z Universal Joint Articulación Universal



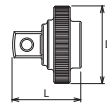
2772Z	D (mm)	L (mm)	(g)	(pcs.)
2772Z	11.7	46	26	10



2756Z Quick Spinner Disco de Giro Rápido



2756Z	D (mm)	L (mm)	(g)	(pcs.)
2756Z	20.3	18	15	10



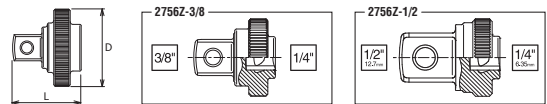
2756Z-3/8 Quick Spinner, Adaptor 2756Z-1/2












2756Z-3/8

2756Z-1/2







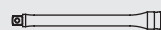
2756Z-3/8	D (mm)	L (mm)	(g)	(pcs.)
2756Z-3/8	20.3	21.5	24	10
2756Z-1/2	20.3	26	35	10



P2285Z		26 Pieces Set/重量=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	
		2756Z	
 2000Z.28 1, 2, 3		2771Z	
 2005Z.25 5, 6		2760Z-50	
 2010MZ.25 3, 4, 5, 6		2760Z-150	




P2285Z Socket Set
Juego de Vasos



2286Z		17 Pieces Set/重量=780g	
BLACK METAL CASE:W240xH100xT32mm			
Sockets	Accessories		
 2400MZ 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14		2725Z	
		2756Z	
		2771Z	
		2760Z-50	
		2760Z-100	
		2760Z-150	

2286Z Socket Set
Juego de Vasos



2285ZE		10 Pieces Set/重量=300g	
Rail 200mm/PLASTIC BAG			
Sockets	Accessories		
 2400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14		2725Z	
		2756Z	

2285ZE Socket Set
Juego de Vasos



Z-series 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

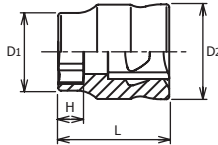
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

3400MZ 6-point Sockets Vasos Hexagonales



3400MZ (mm)	D ₁ (mm)	D ₂ (mm)	H (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 Socket Set on Rail Juego de Vasos en Regleta

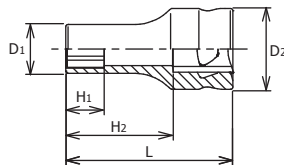
RS3400MZ/12



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



3300XZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	10.3	17	8	23	35	23	10
8	11.5	17	9	23	35	24	10
10	14	17	11	23	35	26	10
11	15.3	17	12	23	35	28	10
12	16.5	17	13	23	35	29	10
13	17.8	17	14	23	35	32	10
14	19	17	16	23	35	34	10
15	20.2	18.2	16	23	35	40	10
16	21.3	19.3	16.5	23	35	45	10
17	22.5	20.5	16.5	23	35	50	10
18	23.6	21.6	16.5	23	35	56	10
19	24.8	22.8	18	23	35	60	10

RS3300XZ/8 Socket Set on Rail Juego de Vasos en Regleta

RS3300XZ/12



RS3300XZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		420

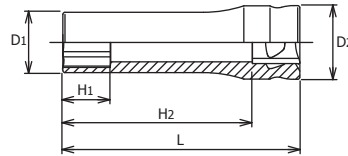
RS3300XZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		630



3300MZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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



3300MZ 6-point Deep Sockets Vasos Hexagonales Largos



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

RS3300MZ/8 Socket Set on Rail Juego de Vasos en Regleta

RS3300MZ/12



RS3X00MZ/12	12 Pieces Set/Rail 300mm	(g)
3400MZ	8, 10, 11, 12, 13, 14, 17, 19	550
3300MZ	8, 10, 12, 14	

RS3X00MZ/12 Socket Set on Rail Juego de Vasos en Regleta



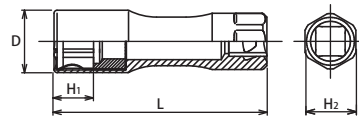
3300CZ (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
14	18.4	11	17	70	67	10
16	20.5	13	17	70	71	10
18	22.9	12	17	70	75	10
20.8	26.3	13.5	17	70	105	10

Slim & light weight body with smaller outside diameter for work in tight spaces.

⚠ Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.



3300CZ Spark Plug Sockets with Spring Clips Llaves de Bujía con Presillas ⚠



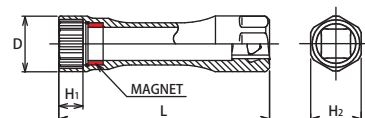
3305PZ (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
14	17.9	8	17	70	56	10
16	20	8	17	70	55	10

Spark Plug Socket with Magnet, 12-pt. opening: size 14mm



⚠ The magnet could be broken with any impacts. Please handle with care.

3305PZ Spark Plug Socket with Magnet, 12-pt. opening Llaves de bujía con Imán, Boca Bihex ⚠



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CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

Z-series 3/8"

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INDUSTRIALES

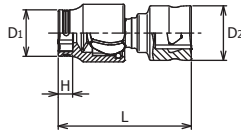
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

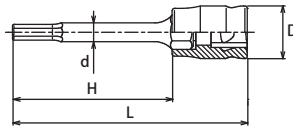
RENEWAL KITS
JUEGOS DE PIEZAS/REPUÉSTO

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



	3441MZ (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	8	12	17	4.5	41.5	45	10
New	10	14.5	17	4.5	41.5	47	10
New	12	16.8	17	5.5	42.5	50	10
New	13	17.8	17	5.5	42.5	53	10
New	14	19.5	17	7	44	55	10
New	17	23.4	17	8.5	45.5	66	10

3010MZ-50 · -75 Inhex Bit Sockets Vasos con Punta Hexagonal



	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.)
	3	17	6	48.5	75	33	10
	4	17	6	48.5	75	35	10
	5	17	6	48.5	75	36	10
	6	17	7	48.5	75	41	10
	7	17	7.9	48.5	75	45	10
	8	17	-	48.5	75	48	10
	10	17	-	48.5	75	65	10
	12	19	-	48.5	75	90	10

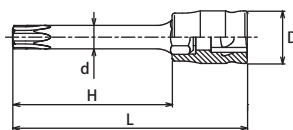
RS3010MZ/8-L50 Socket Set on Rail Juego de Vasos en Regleta



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 · -75 TORX® Bit Sockets Vasos con Punta TORX®



	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	7.9	23.5	50	38	10
	T50	17	8.9	23.5	50	48	10
	T55	19	11.3	23.5	50	70	10

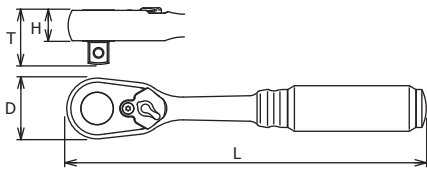
	3025Z-75 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
	T20	17	4.5	48.5	75	32	10
	T25	17	5	48.5	75	33	10
	T27	17	5	48.5	75	33	10
	T30	17	5.6	48.5	75	35	10
	T40	17	6.7	48.5	75	41	10
	T45	17	7.9	48.5	75	45	10
	T50	17	8.9	48.5	75	55	10
	T55	19	11.3	48.5	75	80	10

RS3025Z/8-L50 Socket Set on Rail Juego de Vasos en Regleta



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

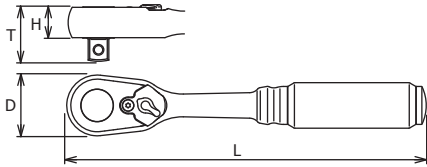


72

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z-3/8	20.5	20.5	9.5	114	83	1

* Renewal Kits → 2725RK-2(3/8) → P322

2725Z-3/8 Reversible Ratchet Short
Llave de Carraca Reversible Corta



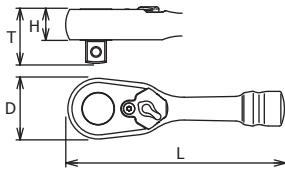
72

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z-3/8 (L160)	20.5	20.5	9.5	160	120	1

* Renewal Kits → 2725RK-2(3/8) → P322

⚠ 2725Z-3/8 (L160) 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.

2725Z-3/8 (L160) Reversible Ratchet Short
Llave de Carraca Reversible Corta ⚠

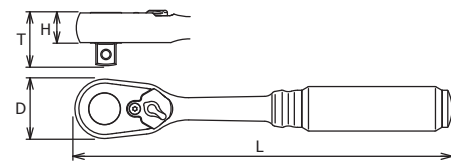


72

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725ZS	28	24.5	13.7	100	157	1

* Renewal Kits → 3725RK-2 → P322

3725ZS Reversible Ratchet Short
Llave de Carraca Reversible Corta



72

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725Z	28	24.5	13.7	178	236	1

* Renewal Kits → 3725RK-2 → P322

3725Z Reversible Ratchet
Llave de Carraca Reversible



72

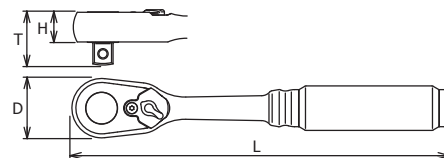
3725Z-280 Reversible Ratchet
Llave de Carraca Reversible ⚠



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725Z-280	28	24.5	13.7	280	360	1

* Renewal Kits → 3725RK-2 → P322

⚠ 3725Z-280 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.



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RENEWAL KITS

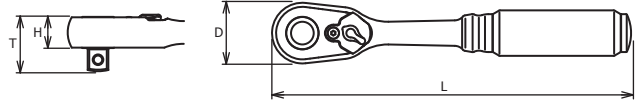
2725ZB-3/8

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.)
2725ZB-3/8	20.5	20.5	9.5	114	83	1

* Renewal Kits → 2725BRK-1(3/8) → P322



2725ZB-3/8 (L160)

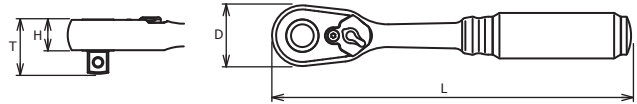
Reversible Ratchet Long with Quick Release Button
Llave de Carraca Reversible Larga con botón de extracción rápida ⚠



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725ZB-3/8 (L160)	20.5	20.5	9.5	160	120	1

* Renewal Kits → 2725BRK-1(3/8) → P322

⚠ 2725ZB-3/8(L160) 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.



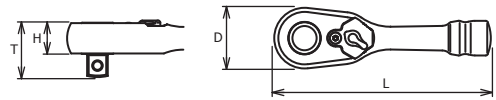
3725ZSB

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



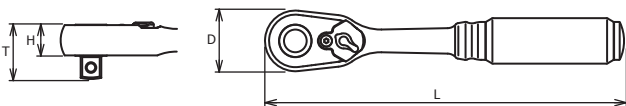
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725ZSB	28	24.5	13.7	100	157	1

* Renewal Kits → 3725BRK-1 → P322



3725ZB

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

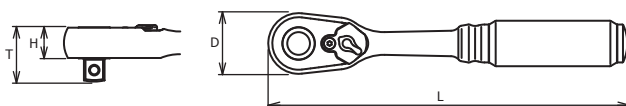


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725ZB	28	24.5	13.7	178	236	1

* Renewal Kits → 3725BRK-1 → P322

3725ZB-280

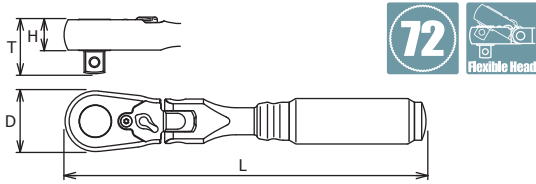
Reversible Ratchet Long with Quick Release Button
Llave de Carraca Reversible Larga con botón de extracción rápida ⚠



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725ZB-280	28	24.5	13.7	280	360	1

* Renewal Kits → 3725BRK-1 → P322

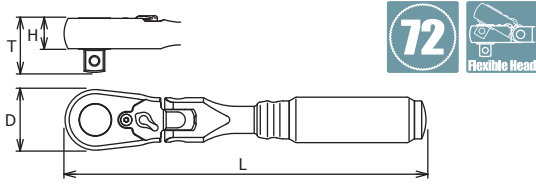
⚠ 3725ZB-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-3/8	20.5	20.5	9.5	114	107	1

* Renewal Kits → 2725RK-2(3/8) → P322

2726Z-3/8 Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)



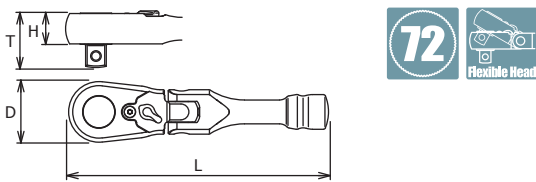
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-3/8 (L160)	20.5	20.5	9.5	160	130	1

* Renewal Kits → 2725RK-2(3/8) → P322

2726Z-3/8 (L160) Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible ⚠



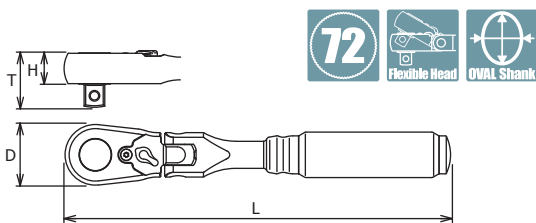
⚠ 2726Z-3/8 (L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3726ZS	28	24.5	13.7	120	196	1

* Renewal Kits → 3725RK-2 → P322

3726ZS Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3726Z	28	24.5	13.7	178	317	1

* Renewal Kits → 3725RK-2 → P322



3726Z Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



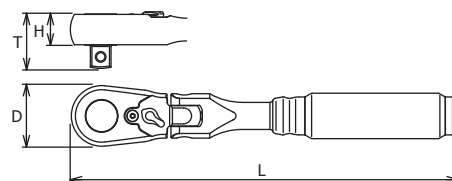
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3726Z-280	28	24.5	13.7	280	420	1

* Renewal Kits → 3725RK-2 → P322

⚠ 3726Z-280 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.



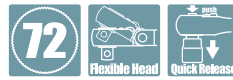
3726Z-280 Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible ⚠



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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

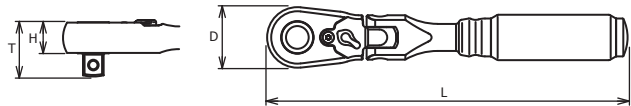
2726ZB-3/8

Flexible Ratchet, Reversible with Quick Release Button (Short)
Llave de Carraca Flexible, Reversible con botón de extracción rápida (Corta)



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New 2726ZB-3/8	20.5	20.5	9.5	114	107	1

* Renewal Kits → 2725BRK-1(3/8) → P322



2726ZB-3/8 (L160)

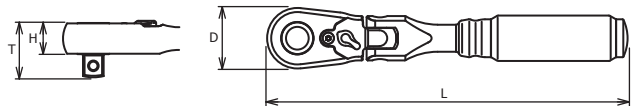
Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, Reversible con botón de extracción rápida ⚠



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New 2726ZB-3/8 (L160)	20.5	20.5	9.5	160	130	1

* Renewal Kits → 2725BRK-1(3/8) → P322

⚠ 2726ZB-3/8(L160) 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.



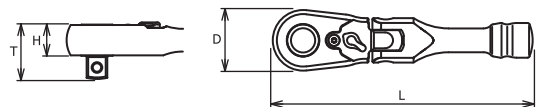
3726ZSB

Flexible Ratchet, Reversible with Quick Release Button (Short)
Llave de Carraca Flexible, Reversible con botón de extracción rápida (Corta)



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New 3726ZSB	28	24.5	13.7	120	196	1

* Renewal Kits → 3725BRK-1 → P322

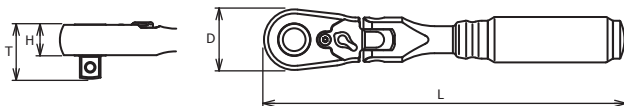


3726ZB

Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, Reversible con botón de extracción rápida



OVAL SHAPE SHANK



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New 3726ZB	28	24.5	13.7	178	317	1

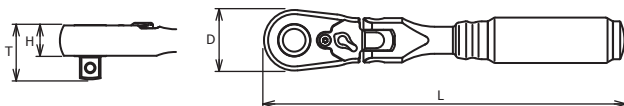
* Renewal Kits → 3725BRK-1 → P322

3726ZB-280

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



OVAL SHAPE SHANK



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New 3726ZB-280	28	24.5	13.7	280	420	1

* Renewal Kits → 3725BRK-1 → P322

⚠ 3726ZB-280 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.



RENEWAL KIT FOR HINGE HANDLE



OVAL SHAPE SHANK



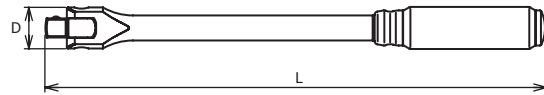
OVAL SHANK

3768Z-250 Hinge Handle Mango Articulado

3768Z-400 ⚠️



3768Z	D (mm)	L (mm)	(g)	(pcs.)
250	20.5	250	309	5
400	20.5	400	500	2



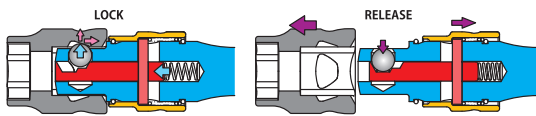
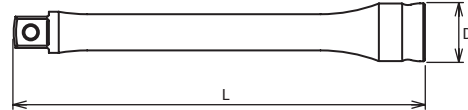
* Renewal Kits → 3768ZRK → P323

⚠️ 3768Z-400 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.

3760Z Extension Bars Alargaderas



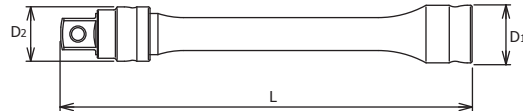
3760Z	D (mm)	L (mm)	(g)	(pcs.)
75	17.5	75	66	10
125	17.5	125	103	10
250	17.5	250	195	5



3760LZ Locking Extension Bars Alargadera con Bloqueo ⚠️



3760LZ	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
New 75	17.5	16.5	75	75	10
New 125	17.5	16.5	125	105	10
New 250	17.5	16.5	250	185	5



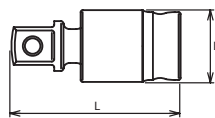
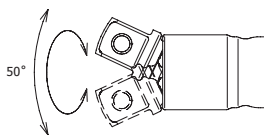
⚠️ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

3771Z	D (mm)	L (mm)	(g)	(pcs.)
3771Z	18	42.5	44	10



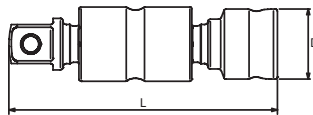
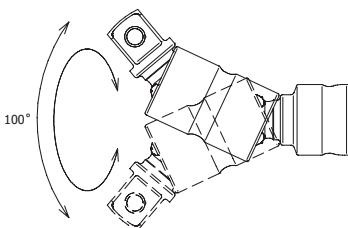
UNIVERSAL JOINT

3771Z Universal Joint Articulación Universal



3772Z	D (mm)	L (mm)	(g)	(pcs.)
3772Z	17	65	76	10

3772Z Universal Double Joint Articulación Universal



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INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

Z-series 3/8"

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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

3756Z Quick Spinner
Disco de Giro Rápido



	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.



3756ZS Quick Spinner
Disco de Giro Rápido



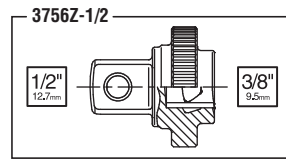
	D (mm)	L (mm)	(g)	(pcs.)
3756ZS	20.3	25	26	10

Ideal for working in combination with 2725Z-3/8 and 2726Z-3/8.

3756Z-1/2 Quick Spinner, Adaptor



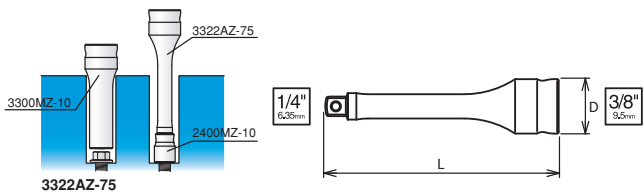
	D (mm)	L (mm)	(g)	(pcs.)
3756Z-1/2	28	29	52	10



3322AZ-75 Extension Adaptor
Adaptador Alargadera



	D (mm)	L (mm)	(g)	(pcs.)
3322AZ-75	17.5	75	42	10





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	3756Z	
3300MZ 6-pt. Deep Sockets 8, 10, 12, 14	3771Z	3768Z-250	
3300CZ Spark Plug Sockets 14, 16, 20.8	3760Z-75	3760Z-125	
	3760Z-250		

3285Z Socket Set
Juego de Vasos



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		

3285ZA Socket Set
Juego de Vasos



3286Z		21 Pieces Set/△=2,600g	
BLACK METAL CASE:W415xH120xT50mm			
Sockets	Accessories		
3400MZ 6-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	3725Z	3756Z	
	3771Z	3768Z-250	
	3760Z-75	3760Z-125	
	3760Z-250		

3286Z Socket Set
Juego de Vasos



3285ZE		9 Pieces Set/△=600g	
Rail 200mm/PLASTIC BAG			
Sockets	Accessories		
3400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19	3725Z	3756Z	

3285ZE Socket Set
Juego de Vasos



Z-series 1/2"

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INDUSTRIALES

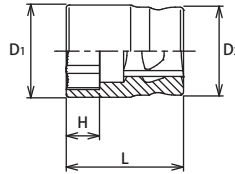
PROTECTOR
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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4400MZ 6-point Sockets Vasos Hexagonales



4400MZ (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12.9	20.6	4.5	26	30	10
10	15	20.6	4.5	26	31	10
12	17	20.6	5.5	27	32	10
13	18.3	21.5	6.5	28	40	10
14	19.5	21.5	6.5	28	40	10
16	22	21.5	7.5	29	43	10
17	23	22.5	7.5	29	49	10
18	24.1	23.7	7.5	29	56	10
19	25.3	24.4	9.5	29	62	10
21	27.6	26.3	10.5	29	76	10
22	28.8	27.5	11	29	83	10
24	31.1	29.2	12	29	96	5
27	34.6	32.2	13.5	30	124	5
30	38.1	35.2	14.5	31	156	5
32	40.4	36.8	15.5	32	178	5

RS4400MZ/10 Socket Set on Rail Juego de Vasos en Regleta

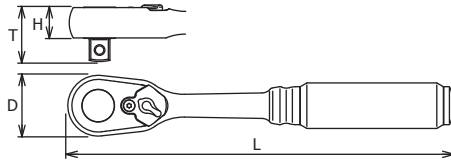


Socket Set on Rail
Juego de Vasos en Regleta



RS4400MZ/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		830

4725Z Reversible Ratchet Llave de Carraca Reversible

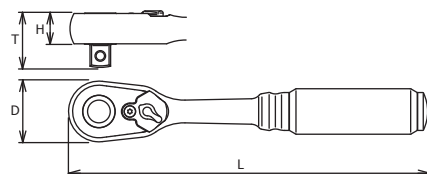


72

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4725Z	36.5	32.8	18.2	253	595	1

* Renewal Kits → 4725RK-2 → P322

4725ZB Reversible Ratchet with Quick Release Button Llave de Carraca Reversible con botón de extracción rápida

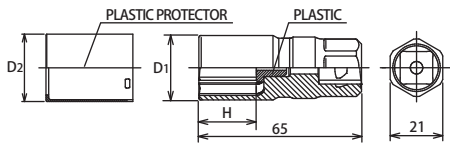


72



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4725ZB	36.5	32.8	18.2	253	595	1

* Renewal Kits → 4725BRK-1 → P322



4300PMZ.65 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	Shaft Colour	(g)	(pcs.)
17	23.7	25.2	21	Blue	135	10
19	25.7	27.2	23	Red	150	10
21	27.5	29	25	Yellow	155	10
New 22	29	30.5	26	White	165	10

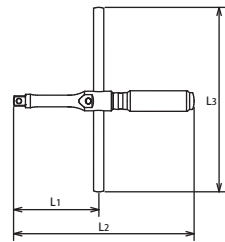
⚠ Please note that thin walled design is only for wheel nut work and Torque rating is limited.

4300PMZ-65 Wheel Nut Sockets Vasos para Ruedas



FREE-TURN CROSS WRENCH

4711XZ Spinning Cross Wrench



	L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	(g)	(pcs.)
4711XZ	133	264	350	915	1



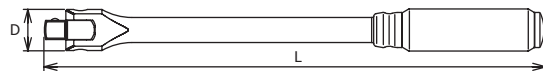
RENEWAL KIT FOR HINGE HANDLE

OVAL SHAPE SHANK

4768Z-430 Hinge Handle Mango Articulado



	D (mm)	L (mm)	(g)	(pcs.)
4768Z-430	28	430	720	2



* Renewal Kits → **4768ZRK** → P323

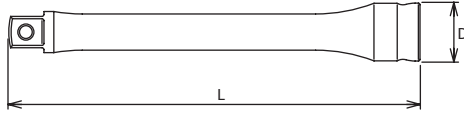
⚠ 4768Z-430 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

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RENEWAL KITS
JUEGOS DE REPARACION

Z-series 1/2"

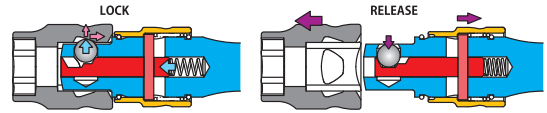
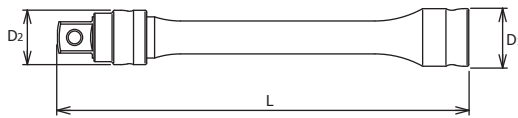
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JUEGOS DE PIEZAS REPUSTO CONSTRUCCION

4760Z Extension Bars Alargaderas



4760Z	D (mm)	L (mm)	(g)	(pcs.)
125	23	125	180	5
250	23	250	340	5

4760LZ Locking Extension Bars Alargadera con Bloqueo ⚠



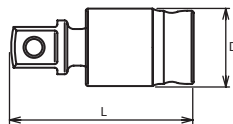
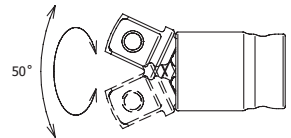
4760LZ	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
New 125	23	20.5	125	186	5
New 250	23	20.5	250	346	5

⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

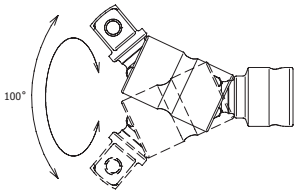
4771Z Universal Joint Articulación Universal



UNIVERSAL JOINT

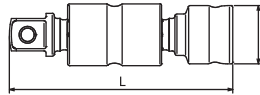


4771Z	D (mm)	L (mm)	(g)	(pcs.)
4771Z	23.7	55.8	100	10



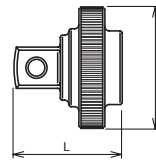
	D (mm)	L (mm)	(g)	(pcs.)
4772Z	23.7	87.2	170	5

4772Z Universal Double Joint
Articulación Universal



	D (mm)	L (mm)	(g)	(pcs.)
4756Z	36.3	33.5	84	10

4756Z Quick Spinner
Disco de Giro Rápido



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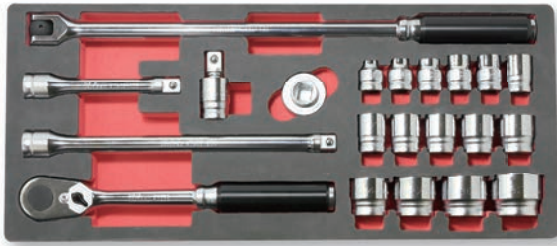
INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

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RENEWAL KITS
JUEGOS DE PIEZAS/REPUSTO
CONSTRUCCIÓN

4285Z Socket Set Juego de Vasos





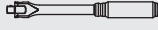
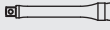
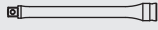


4285ZE Socket Set Juego de Vasos






4285Z 21 Pieces Set/⚖️=4,800g

METAL CASE:W445xT190xH50

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 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

RSAL200 Rail Regleta



RSAL200		RAIL (mm)	CLIP (pcs.)	⚖️ (g)	📦 (pce.)
1/4x12	<u>1/4"</u>	200	12	125	1
3/8x8	<u>3/8"</u>	200	8	130	1

RSAL300		RAIL (mm)	CLIP (pcs.)	⚖️ (g)	📦 (pce.)
3/8x12	<u>3/8"</u>	300	12	180	1
1/2x10	<u>1/2"</u>	300	10	190	1


RSAL CLIP.P/5



RAIL

	RAIL (mm)	⚖️ (g)	📦 (pce.)
RSAL-200	200	110	1
RSAL-300	300	145	1
RSAL-400	400	210	1

CLIP

CLIP.P/5		⚖️ (g)	📦 (pce.)
1/4	<u>1/4"</u>	10	5
3/8	<u>3/8"</u>	13	5
1/2	<u>1/2"</u>	20	5

Hand Sockets

1/4"

3/8"

1/2"

3/4"

1"



Hand Sockets

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INDUSTRIAL
INDUSTRIALES




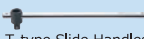

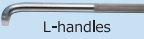

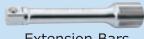




PROTECTOR
PROTECTORES

AUTOMOTIVE

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets		Square Drive														
		1/4"(6.35mm)SQ.			3/8"(9.5mm)SQ.			1/2"(12.7mm)SQ.			3/4"(19mm)SQ.			1"(25.4mm)SQ.		
		No.		Page	No.		Page	No.		Page	No.		Page	No.		Page
Standard Sockets	 6-point	2400M mm 48 2400A inch 48 2400W BA 49	3400M mm 69 3400A inch 69 3400W BSW 70	4400M mm 104 4400A inch 105 4400W BSW 105	6400M mm 134 6400A inch 134	8400M mm 142 8400A inch 142										
	 12-point	2405M mm 48 2405A inch 48 AS2405A inch 48	3405M mm 69 3405A inch 69 3405W BSW 70	4405M mm 104 4405A inch 105 4405W BSW 105	6405M mm 134 6405A inch 134	8405M mm 142 8405A inch 142										
	 Surface	2410M mm 49	3410M mm 70	4410M mm 106												
	 NUT GRIP®	2450MS mm 50 2450AS inch 50	3450M mm 72 3450A inch 72 3450MH mm 72	4450M mm 107												
	 NUT GRIP® (3-ball)	2455AS inch 50														
	 TORX® (E)	2425 TORX® 51	3425 TORX® 71	4425 TORX® 106 4425-N TORX® 106	6425 TORX® 134											
	 TORX®(E) (NUT GRIP®)		3425(2B) TORX® 72													
	 TORXplus® (EP)			4425-EPL TORXplus® 107												
	 TORXplus® (EPR)			4425-EPR TORXplus® 107												
	 LH-S		3400LH LH-STIX® 71	4400LH LH-STIX® 107												
 Double Square	2415M mm 49 2415A inch 49	3415M mm 71 3415A inch 71														
Semi Deep Sockets	 6-point	2300X mm 51	3300X mm 73 3300XA inch 73													
	 12-point		3305X mm 73 3305XA inch 73													
	 NUT GRIP®	2350X mm 51	3350X mm 73													
Deep Sockets	 6-point	2300M mm 52 2300A inch 52 2300W BA 53	3300M mm 74 3300A inch 74 3300W BSW 75	4300M mm 108 4300A inch 108	6300M mm 135 6300A inch 135											
	 12-point	2305M mm 52 2305A inch 52 AS2305A inch 52	3305M mm 74 3305A inch 74 3305W BSW 75	4305M mm 108 4305A inch 108	6305M mm 135 6305A inch 135											
	 Surface	2310M mm 53	3310M mm 75	4310M mm 109												
	 NUT GRIP®	2350M mm 53	3350M mm 76													
	 TORX® (E)	2325 TORX® 53	3325 TORX® 76	4325 TORX® 109												
	 Flare Nut		3300FN mm 76													
	 Extra Deep Sockets															
Extra Deep Sockets	 6-point		3300M(L120) mm 77	4300M(L120) mm 108												
	 12-point		3305M(L120) mm 77													
	 NUT GRIP®		3350M(L120) mm 77 3350A(L120) inch 77													
	 TORX® (E)			4325(L140) TORX® 109												
	 TORX®(E) (NUT GRIP®)			4325(L140)-2B TORX® 109												
Extension Sockets	 12-point		3117M mm 80	4117M mm 111												
Universal Sockets	 6-point	2440M mm 54 2440A inch 54	3440M mm 78 3440A inch 78	4440M mm 110 4440A inch 110												
	 12-point	2445M mm 54 2445A inch 54 AS2445A inch 54	3445M mm 78 3445A inch 78 3445W BSW 78	4445M mm 110 4445A inch 110												
	 NUT GRIP®	2441M mm 54	3441M mm 79													
	 TORX® (E)	2440T TORX® 54	3440T TORX® 78	4440T TORX® 110												
	Universal Deep Sockets	 6-point		3340M mm 79												
Bit Sockets	 PH	2000 PH 55	3000 PH 80	4000 PH 111												
	 PZ	2000(PZ) PZ 55	3000(PZ) PZ 80	4000(PZ) PZ 111												
	 Slotted	2005 Slotted 55	3005 Slotted 80	4005 Slotted 111												
	 Hexagon	2010M mm 56 2010A inch 56	3010M mm 81 3010A inch 81 3012M mm 82 3012A inch 82	4010M mm 112 4010A inch 112 4012M mm 116 4012A inch 117	6012M mm 135	8012M mm 143										
	 Hexagon (Grip Ring)		3015M mm 83													
	 Hexagon (Ball Point)	2011M mm 56	3011M mm 83													
	 XZN (Triple Square)	2020 XZN 56	3020 XZN 84	4020 XZN 113												
	 TORX® (T)	2025(T) TORX® 57	3025(T) TORX® 85	4025(T) TORX® 114												
	 TORX® (TH)	2025(TH) TORX® 57	3025(TH) TORX® 86													
	 TORXplus® (IP)	2025(IP) TORXplus® 58	3025(IP) TORXplus® 87	4025(IP) TORXplus® 115												
	 TORXplus® (IPR)	2025(IPR) TORXplus® 58	3025(IPR) TORXplus® 87													
	Ribe CV		3027 Ribe CV 84	4027 Ribe CV 115												
Universal Bit Sockets	Hexagon	2430M mm 55	3430M mm 79													
	TORX® (T)	2430T TORX® 55														

Handles/Accessories		Square Drive									
		1/4"(6.35mm)SQ.		3/8"(9.5mm)SQ.		1/2"(12.7mm)SQ.		3/4"(19mm)SQ.		1"(25.4mm)SQ.	
		No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
	Standard	2753 series 2752 series	59-60 60	3749N 3753 series 3752 series	88 90-91 89	4749N-250 4753 series 4750 series 4752 series	118 120-121 119 120	6749 6752	136 136	8749	144
	Short	2753PS series	59	3749S series	88						
	Long	2753P-160	59	3753P-250	90	4749-380 series 4753P-410	118 120	6749-1000	136	8749-1000	144
	Compact			2749-3/8 series	88	3749S-1/2 series	118				
	Others			3753SM series 3757	90-91 95						
	Standard	2774 series	61	3774 series	92-94	4774 series	122-123				
	Short	2774PS 2774JS	60 60	3774PS	92						
	Long					4774P-450	122				
	Compact			2774-3/8 series	92						
	Swivel Head			3776 series	89						
	Speeder			3774P-SR	93						
	Standard	2768 series	62	3768-250 series	97	4768-380 series	124	6768	138	8768	144
	Short			3768N-175	97	4768N-300	124				
	Long			3768N-300	97	4768-450 series	124	6768-600	138	8768-1000	144
	Extra Long			3768P-380	97	4768-600 series	124	6768-1000	138		
	Standard	2785 series	64	3785	99	4785	127	6785	138	8785	144
	Long									8785-700	144
	Standard	2769N	63	3769N	98						
	Wobble-Fix	2769NWF	63	3769NWF	98						
	Others	2769F 2769H	63 63	3769H	98						
						4788 4747	127 127	6788	138	8788	144
	Standard	2780	64	3780	99	4780-400	126				
	Flexible					4781N-450	125				
	Standard	2760	62	3760	96	4760	126	6760	137	8760	143
	Wobble-Fix	2763	62	3763	96	4763	126				
	Flexible	2762	61	3762	95						
	Universal Joints	2770 2771	64 64	3770 3771	98 98	4770 4771	125 125	6770	139	8770	143
	Adaptors	2233A	64	3322A 3344A	99 99	4433A 4466A	127 127	6644A 6688A	139 139	8866A	143
	Ratchet Adaptors	2755	61	3755	95	4755	125	6755	137		
	Quick Spinners	2756	61	3756	95	4756	125				

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

Hand Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

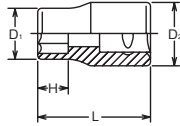
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

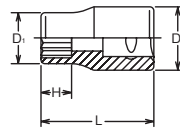
2400M • 2400A 6-point Sockets Vasos Hexagonales





FLAT DRIVE®

2400M 2405M (mm)	D ₁ (mm)	D ₂ (mm)	H (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)	H (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/12 Socket Set on Rail Juego de Vasos en Regleta

RS2405M/12



RS2400M/12	12 Pieces Set/Rail 200mm	 (g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		200

RS2405M/12	12 Pieces Set/Rail 200mm	 (g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		200

RS2400A/9 Socket Set on Rail Juego de Vasos en Regleta

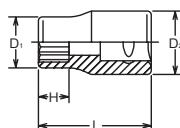
RS2405A/9





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

AS2405A 12-point Sockets, AS954 Vasos Bihexagonales



AS2405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3/16	7.7	10.9	5.1	22	8	10
7/32	8.5	10.9	5.5	22	8	10
1/4	9.4	10.9	5.9	22	8	10
9/32	10.2	10.9	6.1	22	8	10
5/16	11.3	11.7	7.3	22	10	10
11/32	12.5	12	7.5	22	10	10
3/8	13.7	12.9	8.2	22	13	10
7/16	15.6	14.3	9.4	22	17	10
1/2	17.2	16.4	10.3	22	20	10
9/16	18.8	17.9	11	24	27	10

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

RSAS2405A/10 Socket Set on Rail Juego de Vasos en Regleta



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


1/4" Hand Sockets

2410M (mm)	D ₁ (mm)	D ₂ (mm)	H (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/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		222

2400W (BA)	D ₁ (mm)	D ₂ (mm)	H (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

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

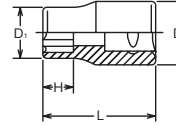


BA		8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
S	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

2415M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	10.3	11.2	5.4	22	10	10
6	11	11.7	5.4	22	13	10
7	12.5	11.7	6.1	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)	H (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

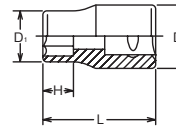
2410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



RS2410M/12 Socket Set on Rail Juego de Vasos en Regleta



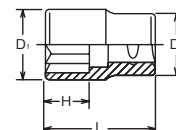
2400W-BA 6-point Sockets Vasos Hexagonales



RS2400W/9-BA Socket Set on Rail Juego de Vasos en Regleta



2415M · 2415A Double Square Sockets Vasos Octogonales



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

Hand Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
JUEGO DE VASOS EN REGLETA

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

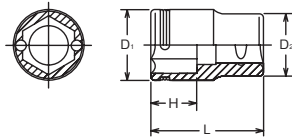
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

2450MS • 2450AS

Nut Grip Sockets **Nut Grip®**
Vasos Sujeta-tuercas **Nut Grip®**



	2450MS (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	5	9.2	11.2	3.5	17	6	10
New	5.5	9.8	11.2	3.5	17	7	10
New	6	10.2	11.2	3.5	17	8	10
	7	11.5	11.2	4	17	8	10
	8	12.3	11.7	5	18	9	10
New	9	13.3	12	5.5	19	12	10
	10	14.3	12.9	6	19	13	10
New	11	15.8	14.3	6.5	20	15	10
	12	16.8	16	7	20	22	10
	13	18	17	8	21	22	10
	14	20	18	8.5	22	31	10

	2450AS (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	1/4	10.7	11.2	3.5	17	8	10
New	5/16	12.3	11.7	5	18	9	10
New	3/8	14.3	12.9	6	19	14	10
New	7/16	16	14.3	6.5	20	17	10
New	1/2	18	16.4	8	21	23	10
New	9/16	20	18	8.5	22	31	10

RS2450MS/6 RS2450MS/11

Socket Set on Rail
Juego de Vasos en Regleta



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

RS2450MS/11	11 Pieces Set/Rail 200mm	(g)
5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		194

RS2450AS/6

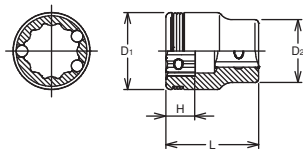
Socket Set on Rail
Juego de Vasos en Regleta



RS2450AS/6	6 Pieces Set/Rail 150mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16		120

2455AS

Nut Grip Sockets **Nut Grip®**
Vasos Sujeta-tuercas **Nut Grip®**



	2455AS (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	7/32	10.2	10.2	3.5	17	8	10
New	1/4	11.8	11.8	3.5	17	9	10
New	9/32	12.5	12.5	4	17	10	10
New	5/16	13.5	13.5	5	18	12	10
New	11/32	14.1	14.1	5.5	19	14	10
New	3/8	15.4	15.4	6	19	16	10
New	7/16	17	17	6.5	20	21	10
New	1/2	18.9	18.9	8	21	26	10
New	9/16	20.7	20.7	8.5	22.5	34	10

RS2455AS/6

Socket Set on Rail
Juego de Vasos en Regleta

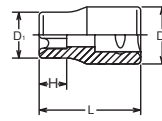


RS2455AS/6	6 Pieces Set/Rail 150mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16		138

1/4" Hand Sockets

2425 (E)	D ₁ (mm)	D ₂ (mm)	H (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
E11	12.9	12	8.7	22	13	10
E12	14.3	12.9	9.3	23	17	10

2425 TORX® Sockets Vasos TORX®

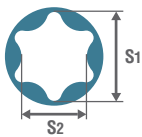


RS2425/6	6 Pieces Set/Rail 150mm	(g)
E4, E5, E6, E7, E8, E10		85

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



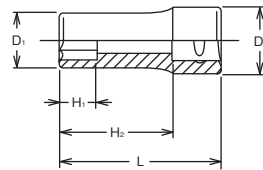
TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

2300X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
5.5	8.5	11.2	6	22	32	12	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

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



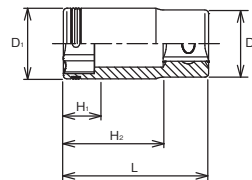
RS2300X/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		270

RS2300X/12 Socket Set on Rail Juego de Vasos en Regleta



2350X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12.3	11.2	5	21.5	32	17	10
10	14.3	12.9	6	21.5	32	22	10
12	16.8	16	7	21.5	32	34	10
13	18	17	8	21.5	32	40	10
14	20	18	8.5	21.5	32	43	10

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



RS2350X/4	4 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14		140

RS2350X/4 Socket Set on Rail Juego de Vasos en Regleta



Z-SERIES
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MANUALES
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DE TITANIO
ACCESSORIES
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DESTORNILLADORES
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SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPLUESTO

Hand Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

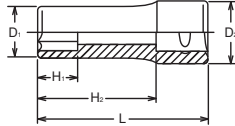
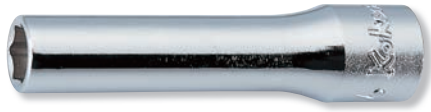
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

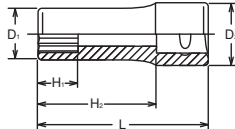
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



2300M 2305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

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



2300A 2305A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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/12 Socket Set on Rail Juego de Vasos en Regleta

RS2305M/12



RS2300M/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		400

RS2305M/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		400

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

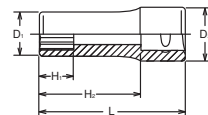
RS2305A/9



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

AS2305A 12-point Deep Sockets, AS954 Vasos Bihexagonales Largos, AS954



AS2305A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3/16	7.7	10.9	6	40	50	17	10
7/32	8.5	10.9	6.5	40	50	17	10
1/4	9.4	10.9	7	40	50	19	10
9/32	10.2	10.9	8	40	50	18	10
5/16	11.3	11.7	9	40	50	23	10
11/32	12.5	12	10	40	50	24	10
3/8	13.7	12.8	11	39	50	31	10
7/16	15.6	14.2	12	39	50	38	10
1/2	17.2	16.2	14	39	50	42	10
9/16	18.8	17.1	16	38	50	47	10

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

RSAS2305A/10 Socket Set on Rail Juego de Vasos en Regleta

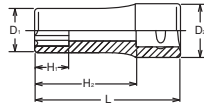


RSAS2305A/10	10 Pieces set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		307

2310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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



2310M Surface Drive Deep Sockets Vasos Surface Drive (de Contacto Curvo) Largos



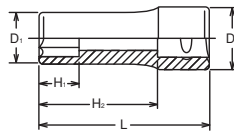
RS2310M/12	12 Pieces set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		400

RS2310M/12 Socket Set on Rail Juego de Vasos en Regleta



2300W (BA)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

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



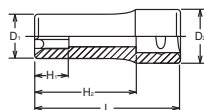
BA



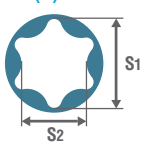
	BA	8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
S	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

2325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

2325 TORX® Deep Sockets Vasos TORX® Largos



TORX® (E)

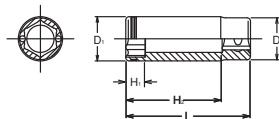


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

2350M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12.3	11.2	5	39.5	50	30	10
10	14.3	12.9	6	39.5	50	35	10
12	16.8	16	7	39.5	50	55	10
13	18	17	8	39.5	50	65	10
14	20	18	8.5	39.5	50	70	10



2350M Nut Grip Deep Sockets **Nut Grip®** Vasos Sujeta-tuercas Largos **Nut Grip®**



RS2350M/4	4 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14		220

RS2350M/4 Socket Set on Rail Juego de Vasos en Regleta



Hand Sockets 1/4"

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

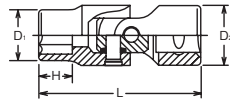
PROTECTOR
PROTECTORES



AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

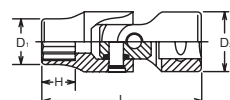
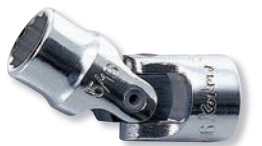
RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO



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



2440M 2445M (mm)	D ₁ (mm)	D ₂ (mm)	H (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



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



2440A (inch)	D ₁ (mm)	D ₂ (mm)	H (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

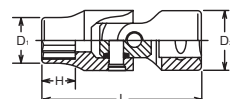
RS2445A/9 Socket Set on Rail Juego de Vasos en Regleta





2445A (inch)	D ₁ (mm)	D ₂ (mm)	H (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

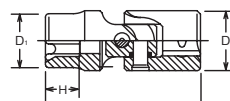
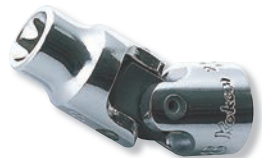
RS2445A/9	9 Pieces set/Rail 150mm	 (g)
3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		220



AS2445A 12-point Universal Sockets Vasos Bihex con Articulación Universal



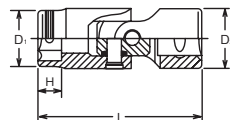
AS2445A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
1/4	9.6	12.9	5.7	31.8	18	10
5/16	11.7	12.9	7	34.6	21	10
3/8	13.5	12.9	8.3	35.1	21	10
7/16	15.5	12.9	9.5	39.1	25	10
1/2	17.2	12.9	10.5	40.1	27	10



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



2440T (E)	D ₁ (mm)	D ₂ (mm)	H (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 Nut Grip Universal Sockets **Nut Grip®** Vasos Sujeta-Tuercas con Articulación Universal



2441M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
5	9.2	13	3.5	31.5	20	10
5.5	9.8	13	3.5	31.5	20	10
6	10.2	13	3.5	31.5	20	10
7	11.3	13	4	31.5	20	10
8	12.3	13	5	32	20	10
10	14.5	13	6	32.5	21	10
11	15.5	13	6.5	33.5	21	10
12	16.8	13	7	34	24	10
13	18	13	8	35	25	10
14	20	13	8.5	35.5	30	10
15	21	13	9	36	32	10

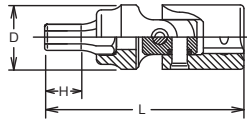
RS2441M/11 Socket Set on Rail Juego de Vasos en Regleta



RS2441M/11	11 Pieces Set/Rail 200mm	 (g)
5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14, 15		280

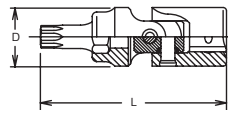
2430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	13	5.5	40	18	10
4	13	5.5	40	18	10
5	13	6.5	40	20	10
6	13	7.5	40	21	10

2430M Universal Inhex Sockets Vasos Hexagonales con Articulación Universal



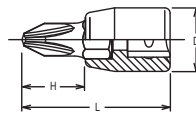
2430T (T)	D (mm)	L (mm)	(g)	(pcs.)
T 8	13	42	22	10
T 9	13	42	22	10
T10	13	42	22	10
T15	13	42	22	10
T20	13	42	22	10
T25	13	42	22	10
T27	13	42	22	10
T30	13	42	22	10

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



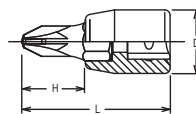
2000.28 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	11.9	12	28	10	10
2	11.9	12	28	11	10
3	11.9	12	28	12	10
4	13.1	11	28	14	10

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



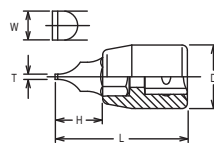
2000.28 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ1	11.9	12	28	10	10
PZ2	11.9	12	28	11	10
PZ3	11.9	12	28	12	10

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



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

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



Hand Sockets 1/4"

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES


PROTECTOR
PROTECTORES

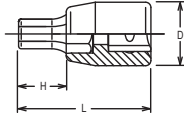
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2010M-25 · -100 2010A-25 · -100

 Inhex Bit Sockets
Vasos con Punta Hexagonal




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

2010A.100 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 1/8	11.9	84	100	29	10
New 5/32	11.9	84	100	30	10
New 3/16	13.1	83	100	45	10
New 7/32	13.1	83	100	46	10
New 1/4	13.1	83	100	46	10
New 9/32	13.1	83	100	47	10
New 5/16	13.1	83	100	49	10
New 3/8	14.3	83	100	75	10

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
12	16.4	8	25	36	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
12	16.4	83	100	107	10

RS2010M/7-L25 RS2010A/8-L25


 Socket Set on Rail
Juego de Vasos en Regleta

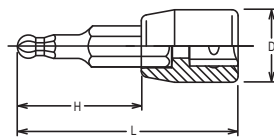


RS2010M/7-L25	7 Pieces set/Rail 150mm	(g)
3, 4, 5, 6, 7, 8, 10		115


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


 Ballpoint Inhex Bit Sockets
Vasos con Punta de Bola Inhex 

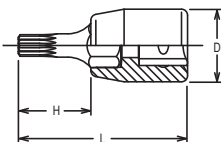


2011M.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	11.9	34	50	16	10
4	11.9	34	50	17	10
5	11.9	34	50	18	10
6	11.9	34	50	18	10

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

2020-28 · -50

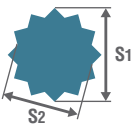
 XZN Bit Sockets
Vasos con Punta XZN



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

XZN



XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S ₁	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S ₂	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

1/4" Hand Sockets

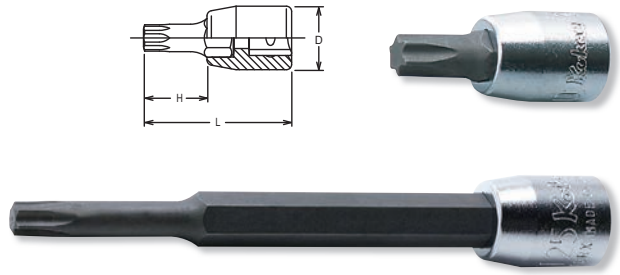
2025.28 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 8	11.9	12	28	10	10
T 9	11.9	12	28	10	10
T10	11.9	12	28	10	10
T15	11.9	12	28	10	10
T20	11.9	12	28	11	10
T25	11.9	12	28	11	10
T27	11.9	12	28	12	10
T30	11.9	12	28	12	10
T40	11.9	12	28	13	10

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

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

2025-28 · -80 (T)

TORX® Bit Sockets
Vasos con Punta TORX®

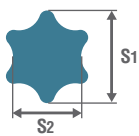


RS2025/7-L28

Socket Set on Rail
Juego de Vasos en Regleta



TORX®
(T)

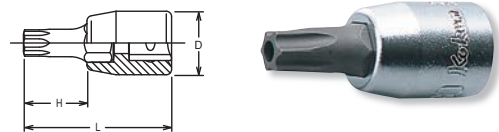


T	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S ₁ (ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S ₂ (ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

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

2025-28 (TH)

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



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

RS2025/7-HOLE

Socket Set on Rail
Juego de Vasos en Regleta



⚠ 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.

Z-SERIES
HAND
MANUALES
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 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
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SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

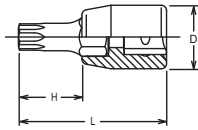
RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

2025-28 (IP)



TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

TORXplus®



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

RS2025/7-IP

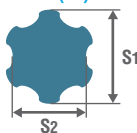


Socket Set on Rail
Juego de Vasos en Regleta



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

TORXPLUS® (IP)



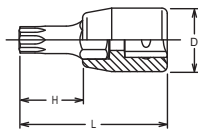
IP	8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S ₁ (ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S ₂ (ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

2025-28 (IPR)



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

TORXplus®



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

RS2025/7-IPR

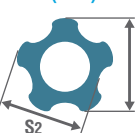


Socket Set on Rail
Juego de Vasos en Regleta



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

TORXPLUS® (IPR)



IPR	8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S ₁ (ref. mm)	2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
S ₂ (ref. mm)	2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7

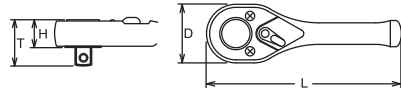
1/4" Hand Sockets



* Renewal Kits → 2753RK → P320



2753PS Reversible Ratchet Short
Llave de Carraca Reversible Corta



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



* Renewal Kits → 2753RK → P320

2753N Reversible Ratchet
Llave de Carraca Reversible



2753P Reversible Ratchet
Llave de Carraca Reversible

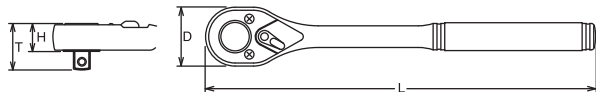


* Renewal Kits → 2753RK → P320

2753J Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2753RK → P320

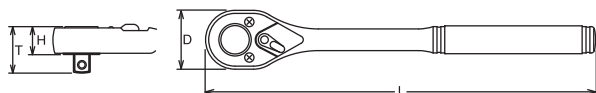


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2753N	22	18.7	11.4	115	90	1
2753P	22	18.7	11.4	115	87	1
2753J	22	18.7	11.4	115	77	1



* Renewal Kits → 2753RK → P320

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



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2753P-160	22	18.7	11.4	160	107	1

⚠ 2753P-160 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.

Z-SERIES
HAND
MANUALES
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"

Z-SERIES

HAND
MANUALES

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

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



* Renewal Kits → 2753BRK → P320

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

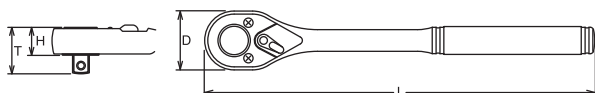


* Renewal Kits → 2753BRK → P320

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



* Renewal Kits → 2753BRK → P320



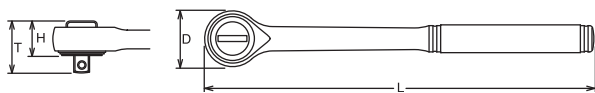
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2753NB	22	18.7	11.4	115	90	1
2753PB	22	18.7	11.4	115	87	1
2753JB	22	18.7	11.4	115	77	1

⚠ 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.

2752N Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2752RK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2752N	26.5	19.8	12.5	125	95	1

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

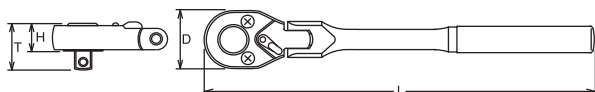


* Renewal Kits → 2753RK → P320

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



* Renewal Kits → 2753RK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2774PS	22	18.7	11.4	116	110	1
2774JS	22	18.7	11.4	116	113	1

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



* Renewal Kits → 2753RK → P320

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



* Renewal Kits → 2753RK → P320

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

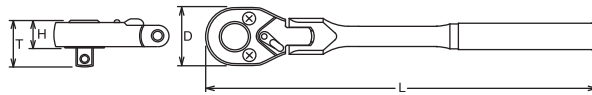


* Renewal Kits → 2753RK → P320

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



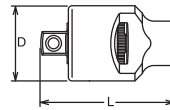
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2774N	22	18.7	11.4	161	130	1
2774P	22	18.7	11.4	161	126	1
2774J	22	18.7	11.4	161	130	1



* Renewal Kits → 2755RK → P321

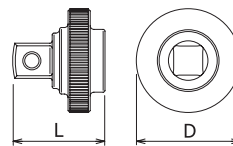
2755 Ratchet Adaptor
Adaptador de carraca

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



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

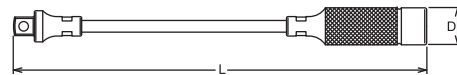
2756 Quick Spinner
Disco de giro Rápido



2762 Flexible Extension Bar
Alargadera Flexible

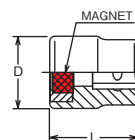


	D (mm)	L (mm)	(g)	(pcs.)
2762	13	300	90	2



	D (mm)	L (mm)	(g)	(pcs.)
2120	14.3	17.5	21	10

2120 Magnetic Head



Hand Sockets 1/4"

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

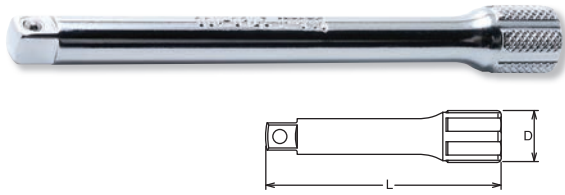
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS/REPUES

2760 Extension Bars Alargaderas



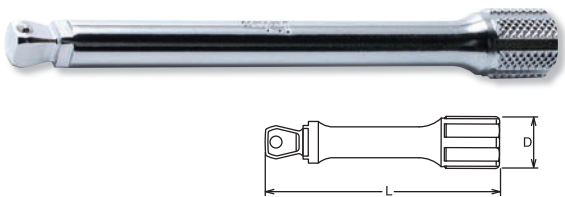
2760	D (mm)	L (mm)	(g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	35	10
100	12.3	100	44	10
150	12.3	150	63	10
200	12.3	200	83	10
250	12.3	250	103	10
300	12.3	300	122	2
350	12.3	350	145	2
400	12.3	400	160	2
600	12.3	600	240	2

PK2760/6 Set Juego



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

2763 Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas



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

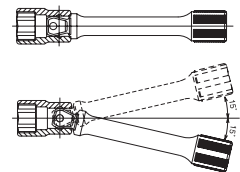
PK2763/6 Set Juego



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 → P323

* Renewal Kits → 2768RK → P323

* Renewal Kits → 2768RK → P323

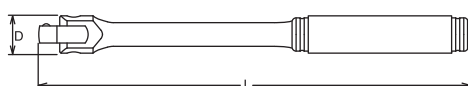
2768N Hinge Handle Mango Articulado



2768P Hinge Handle Mango Articulado



2768J Hinge Handle Mango Articulado



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

2769N	H (mm)	L (mm)	(g)	(pcs.)
150	50	150	73	2
220	120	220	100	2

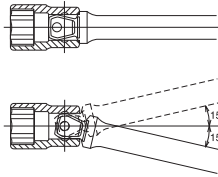
⚠ Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.



2769NWF	H (mm)	L (mm)	(g)	(pcs.)
150	50	150	73	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.



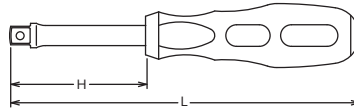
Alargadera Articulada-Fija

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.

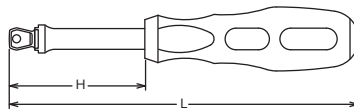
2769F	H (mm)	L (mm)	(g)	(pcs.)
2769F	78	150	90	5

2769H	L (mm)	(g)	(pcs.)
2769H	160	180	5

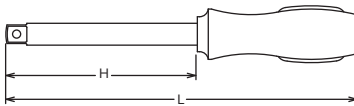
2769N-150 • -220 Spin Type Handle Mango Tipo Destornillador ⚠



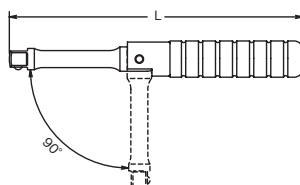
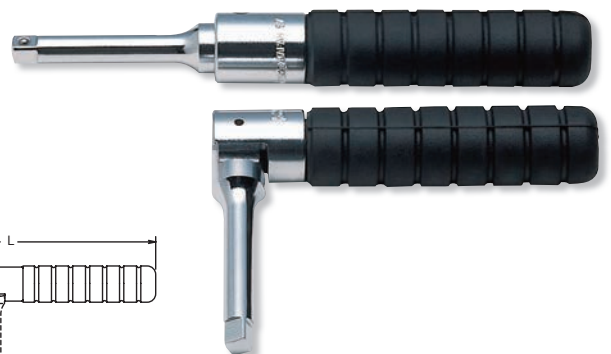
2769NWF-150 • -220 Spin Type Handle(Wobble-Fix) Mango Tipo Destornillador Articulados-Fijos ⚠



2769F Spin Type Handle Mango Tipo Destornillador



2769H Folding Socket Driver Llave de Vaso Plegable



Z-SERIES
HAND
MANUALES
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DE TITANIO
ACCESSORIES
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DESTORNILLADORES
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SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

Hand Sockets 1/4"

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
MANGUERA

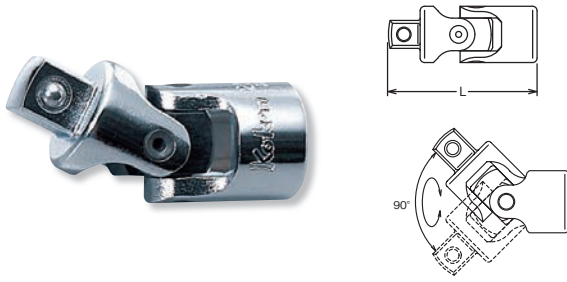
INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

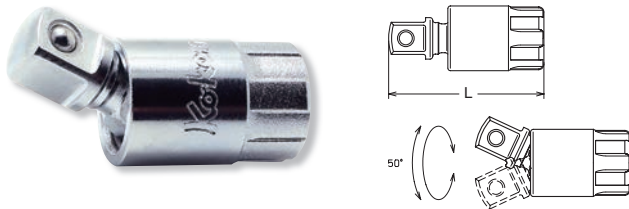
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCCION
CONSTRUCCION

2770 Universal Joint
Articulación Universal



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

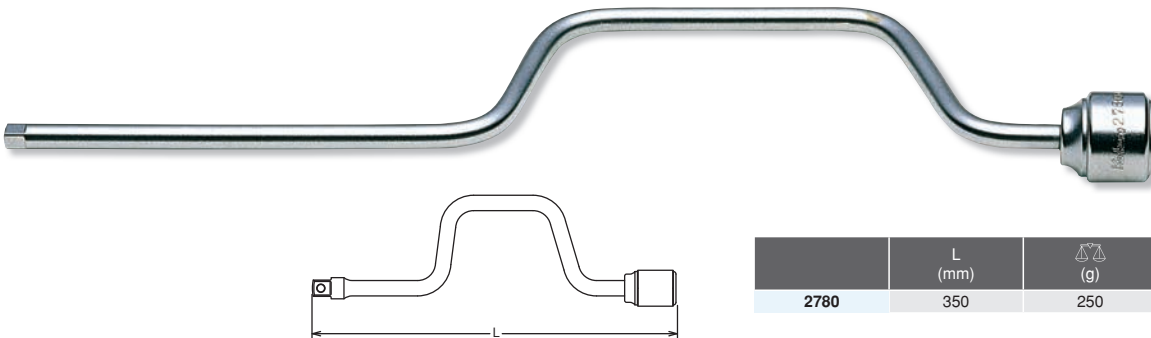
2771 Universal Joint
Articulación Universal



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

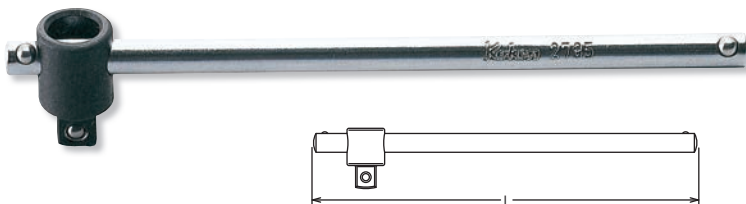


2780 Speed Handle
Manivela Rápida



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

2785 T-Handle
Mango Corredizo


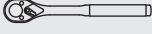
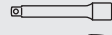


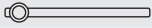



	L (mm)	(g)	(pcs.)
2785	115	36	10

2233A Adaptor
Adaptador





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

2201AM 25 Pieces Set/△△=870g	
METAL CASE:W240×H100×T32mm	
Sockets	Accessories
 2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	 2753N  2760-100  2769N-150  2770  2785
 2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	



2201AM Socket Set
Juego de Vasos



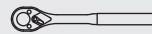


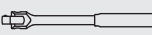

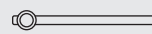


2203M 12 Pieces Set/△△=550g	
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
 2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13	 2769H

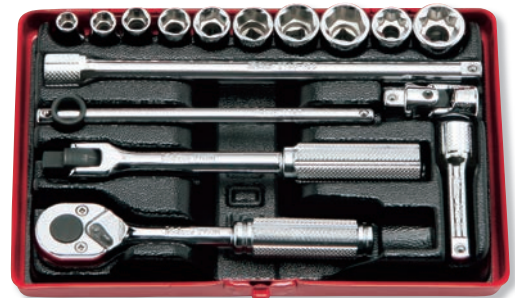
2203M · 2203A Socket Set
Juego de Vasos



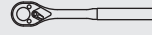




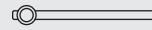









2203A 10 Pieces Set/△△=550g	
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
 2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	 2769H

2250M 16 Pieces Set/△△=700g	
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
 2400M 6-pt. Sockets 5, 6, 7, 8, 9, 10, 11, 12  2415M Double Square Sockets 8, 10	 2753N  2760-50  2760-150  2768N  2770  2785

2250M · 2250A Socket Set
Juego de Vasos



2250A 16 Pieces Set/△△=700g	
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
 2400A 6-pt. Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16  2415A Double Square Sockets 1/4, 5/16, 3/8	 2753N  2760-50  2760-150  2768N  2770  2785

2254M 12 Pieces Set/△△=450g	
METAL CASE:W160×H100×T28mm	
Bits	Accessories
 101P PH Bits 1, 2, 3  101S Slotted Bits 1x7, 1.2x7  101H Hex Bits 3, 4, 5	 102NA-1/4x5/16  2769F  101A  2137

2254M Bit Set
Juego de Puntas



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

Hand Sockets 1/4"

Z-SERIES
HAND
MANUALES

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

2257M Socket Set Juego de Vasos



2257M		31 Pieces Set/△=930g	
METAL CASE: W240xH100xT32mm			
Sockets		Accessories	
	2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12		2753N
	2000.28 Bit Sockets 1, 2, 3, 4		2760-100
	2005.25 Bit Sockets 4, 5, 6, 8, 9		2769N-150
	2010M.25 Bit Sockets 3, 4, 5, 6, 8, 10		2770
			2785

2260M Socket Set Juego de Vasos



2260M		28 Pieces Set/△=2,370g	
METAL CASE: W370xH150xT50mm			
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

2261M Socket Set Juego de Vasos




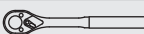



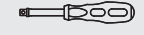

2261M		17 Pieces Set/△=690g	
METAL CASE: W192xH122xT30mm			
Sockets		Accessories	
	2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12		2753N
			2760-50
			2760-150
			2768N
			2770
			2785

2262M Socket Set Juego de Vasos










2262M		13 Pieces Set/△=470g	
METAL CASE: W160xH100xT28mm			
Sockets		Accessories	
	2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12		2760-50
			2768N

1/4" Hand Sockets

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			





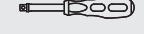
2275 Sockets Set
Juego de Vasos



2276		19 Pieces Set/△=640g	
METAL CASE:W192xH122xT30mm			
Bits		Accessories	
 108P PH 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			


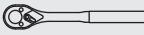


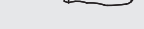
2276 Sockets Set with Bits and Accessories
Juego de vasos con Puntas y Accesorios



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	

2277 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	

2277A-12P Sockets Set
Juego de Vasos



Z-SERIES
HAND
MANUALES
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"

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS/REPUSTO
CONSTRUCCION

P2201AM Sockets Set Juego de Vasos



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
	2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		2760-100
			2769N-150
			2770
			2785

P2251M Sockets Set Juego de Vasos



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 Sockets Set Juego de Vasos



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 Sockets Set Juego de Vasos



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



ABS Case - PE foam insert
Caja ABS - espuma polietileno

3400M 3405M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
25	33.3	29.5	16.5	34	115	5
26	34.5	30.5	17	35	129	5

3400A 3405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	8.3	17.3	5	26	20	10
1/4	10.3	17.3	6	26	20	10
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
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
1	34.5	30.5	17	35	132	5

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

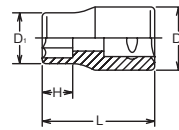
RS3405M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		465

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

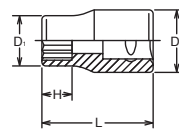
RS3405A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		333



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 Socket Set on Rail Juego de Vasos en Regleta

RS3405M/8 Socket Set on Rail Juego de Vasos en Regleta



RS3400M/12 Socket Set on Rail Juego de Vasos en Regleta

RS3405M/12 Socket Set on Rail Juego de Vasos en Regleta



RS3400A/9 Socket Set on Rail Juego de Vasos en Regleta

RS3405A/9 Socket Set on Rail Juego de Vasos en Regleta



Z-SERIES
HAND
MANUALES
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 **3/8"**

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

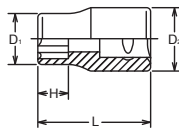
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

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



SURFACE DRIVE

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

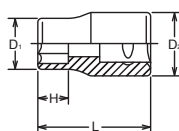
3410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	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 Socket Set on Rail Juego de Vasos en Regleta



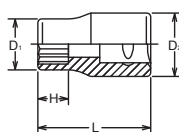
RS3410M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		468

3400W 6-point Whitworth Sockets Vasos Hexagonales Whitworth



3400W 3405W (W)	D ₁ (mm)	D ₂ (mm)	H (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	5

3405W 12-point Whitworth Sockets Vasos Bihexagonales Whitworth



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

RS3405W/7 Socket Set on Rail Juego de Vasos en Regleta



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

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
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

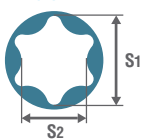
3415M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	10.8	17.4	5.5	26	21	10
6	12	17.3	6	26	26	10
7	13.3	17.4	6.5	26	26	10
8	14.5	17.3	7	26	26	10
10	16.8	17.3	8	26	27	10
12	20.8	19.5	9	27	43	10
13	21.9	20	9.5	27	46	10

3415A (inch)	D ₁ (mm)	D ₂ (mm)	H (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

3425 (E)	D ₁ (mm)	D ₂ (mm)	H (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

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

TORX® (E)

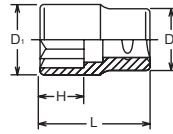


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

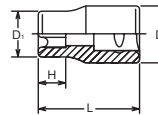
3400LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5S	10.8	17.3	5	26	20	10
6S	12	17.3	5.6	26	22	10
8S	15.8	17.3	6.8	26	25	10
10S	18	17	8	26	25	10
12S	22	20	9.2	28	42	10
14S	24.5	22.5	10.4	30	51	10
16S	28	26	11.6	32	77	10

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

3415M · 3415A Double Square Sockets Vasos Octagonales



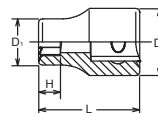
3425 TORX® Sockets Vasos TORX®



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



3400LH LHS Sockets Vasos LHS



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



Hand Sockets **3/8"**

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

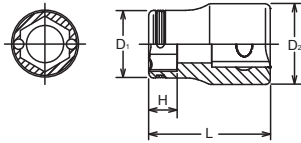
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3450M • 3450A

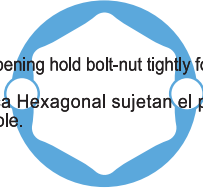
Nut Grip Sockets **Nut Grip®**
Vasos Sujeta-tuercas **Nut Grip®**



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.



3450M (mm)	D ₁ (mm)	D ₂ (mm)	H (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

3450A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 1/4	10.3	17.4	3.5	26	19	10
New 5/16	12	17.4	5	26	21	10
New 3/8	13.9	17.4	6	26	24	10
New 7/16	15.8	17.4	6.5	26	26	10
New 1/2	18	17	8	26	28	10
New 9/16	19.5	18.5	8.5	27	34	10
New 5/8	22	20	9	27	50	10
New 11/16	24.6	22.5	10.5	29	64	10
New 3/4	26	23.5	11.5	29	66	10

RS3450M/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3450M/10



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

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

RS3450A/9

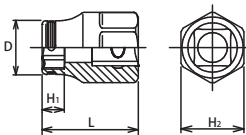
Socket Set on Rail
Juego de Vasos en Regleta



RS3450A/9	9 Pieces Set/Rail 200mm	(g)
New 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	360	

3450MH

Nut Grip Sockets **Nut Grip®**
Vasos Sujeta-tuercas **Nut Grip®**



3450MH (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	5	17	26	30	10
10	14.5	6	17	26	30	10
12	16.8	7	17	26	29	10
13	18	8	17	26	28	10
14	19.5	8.5	17	27	32	10
17	23.3	9.5	17	29	41	10

RS3450MH/6

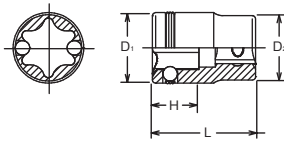
Socket Set on Rail
Juego de Vasos en Regleta



RS3450MH/6	6 Pieces Set/Rail 150mm	(g)
8, 10, 12, 13, 14, 17		230

3425 (2B)

TORX® Sockets **Nut Grip®**
Vasos TORX® **Nut Grip®**



3425 (2B)	D ₁ (mm)	D ₂ (mm)	H (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



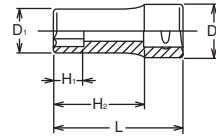
RS3425/4(2B)	4 Pieces Set/Rail 150mm	(g)
E10, E12, E14, E20		150

3300X 3305X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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



3300X • 3300XA

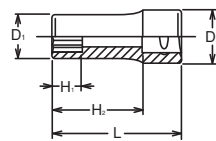
6-point Sockets, Semi-Deep
Vasos Hexagonales, Medianos



3300XA 3305XA (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

3305X • 3305XA

12-point Sockets, Semi-Deep
Vasos Bihexagonales, Medianos



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

RS3300X/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3305X/8



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

RS3300XA/9

Socket Set on Rail
Juego de Vasos en Regleta

RS3305XA/9

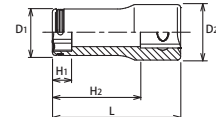


3350X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	5	26.5	40	33	10
10	14.5	17.4	6	26.5	40	35	10
12	16.8	17.2	7	26.5	40	40	10
13	18	17	8	26.5	40	45	10
14	19.5	18.5	8.5	26.5	40	48	10



3350X

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



RS3350X/4	4 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14		165

RS3350X/4

Socket Set on Rail
Juego de Vasos en Regleta

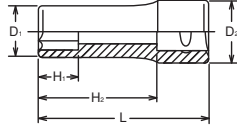


Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

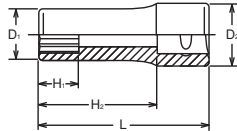
Hand Sockets 3/8"

Z-SERIES
HAND MANUALES
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)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
3/16	8.3	17.3	6	41.5	55	35	10
7/32	8.9	17.3	6.5	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

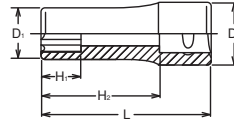
RS3305A/9	9 Pieces Set/Rail 200mm	 (g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		628

3/8" Hand Sockets

3310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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



3310M Surface Drive Deep Sockets Vasos Surface Drive (de Contacto Curvo) Largos



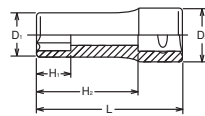
RS3310M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		881

RS3310M/12 Socket Set on Rail Juego de Vasos en Regleta

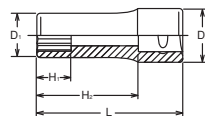


3300W 3305W (W)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
1/8	12.3	17.3	10	41.5	55	46	10
3/16	16	17.3	12	41.5	55	55	10
1/4	18	17	14	41.5	55	57	10
5/16	21	20	16	40.5	55	79	10
3/8	24.5	23	19	39.5	55	96	10
7/16	27	26	22	49.5	65	140	10
1/2	30	29	24	48.5	65	193	10
9/16	34	31	27	47.5	65	250	10

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



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



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

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

RS3305W/7

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



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
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

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

Hand Sockets **3/8"**

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

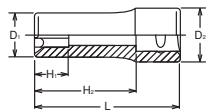
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUÉSTO

3325 TORX® Deep Sockets Vasos TORX® Largos



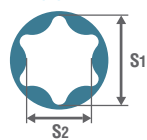
3325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
E 4	5.6	17.3	4.6	41.5	55	29	10
E 5	6.9	17.3	5.2	41.5	55	31	10
E 6	7.9	17.3	5.4	41.5	55	33	10
E 7	8.9	17.3	6.6	41.5	55	36	10
E 8	9.9	17.3	7	41.5	55	39	10
E10	11.8	17.3	8.2	41.5	55	43	10
E11	13	17.3	8.7	41.5	55	50	10
E12	14.5	17.2	9.3	41.5	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

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



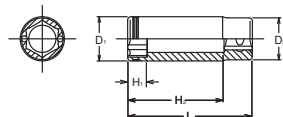
RS3325/9	9 Pieces Set/Rail 200mm	(g)
E4, E5, E6, E7, E8, E10, E12, E14, E16		420

TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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



3350M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

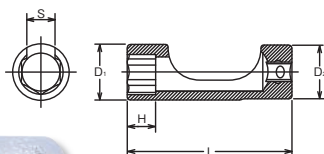
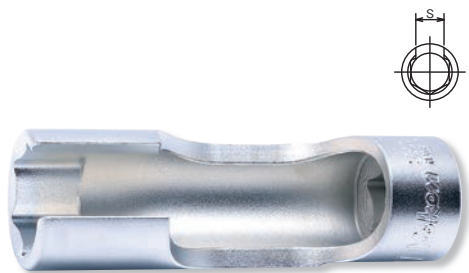


RS3350M/5 Socket Set on Rail Juego de Vasos en Regleta



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

3300FN Flare Nut Sockets Llaves de vaso para entubar

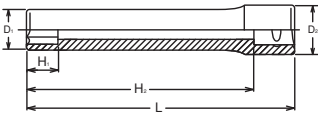


3300FN (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)	(g)	(pcs.)
8	14.5	17.3	6	53	6.4	38	10
9	16	17.3	7	53	6.8	41	10
10	16.8	17.2	7.5	53	7.2	42	10
11	18	17	8.5	53	8.3	42	10
12	20	18	9	53	8.8	50	10
13	21.1	20	9.5	62	9.4	66	10
14	22	20	10.5	62	10.5	66	10
15	23	22	11	70	11.5	82	10
16	24	23	11.5	70	12	90	10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

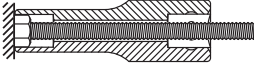
RS3300FN/6 Socket Set on Rail Juego de Vasos en Regleta



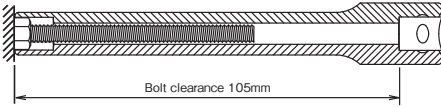
RS3300FN/6	6 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14, 17, 19		450



3300M-Size DEEP SOCKET



3300M-Size(L120) EXTRA DEEP SOCKET



3300M(L120) 3305M(L120) (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

3350M(L120) (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
New 8	12	17.3	5	106.5	120	77	10
10	14.5	17.2	6	106.5	120	110	10
12	16.8	17.2	7	106.5	120	116	10

3350A(L120) (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
New 7/16	15.8	17.3	6.5	106.5	120	123	10
New 1/2	18	17	8	106.5	120	142	10
New 9/16	20	18.5	8.5	106.5	120	179	10



NUT GRIP®

3350M/2-L120 2 Pieces Set/△=230g

PLASTIC BAG

Sockets

3350M(L120) Nut Grip Extra Deep Sockets
10, 12

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

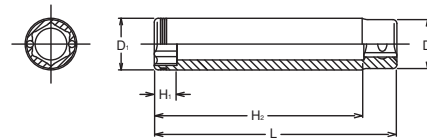
3305M/4-L120

Socket Set
Juego de Vasos



3350M (L120) · 3350A (L120)

Extra Deep Sockets **Nut Grip®**
Vasos Extra-Largos **Nut Grip®**



3350M/2-L120

Socket Set
Juego de Vasos



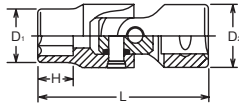
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **3/8"**

Z-SERIES
HAND MANUALES
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

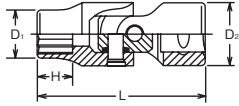
3440M • 3440A

6-point Universal Sockets
Vasos Hexagonales Universal



3445M • 3445A

12-point Universal Sockets
Vasos Bihexagonales con Articulación Universal



RS3440M/8

Socket Set on Rail
Juego de Vasos en Regleta

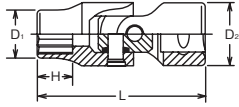
RS3440A /8

Socket Set on Rail
Juego de Vasos en Regleta



3445W

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



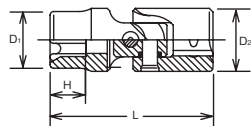
RS3445W/7

Socket Set on Rail
Juego de Vasos en Regleta



3440T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal

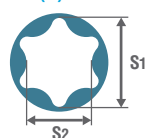


RS3440T/8

Socket Set on Rail
Juego de Vasos en Regleta



TORX®
(E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1 (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2 (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

3440M 3445M (mm)	D1 (mm)	D2 (mm)	H (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

3440A 3445A (inch)	D1 (mm)	D2 (mm)	H (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	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 (W)	D1 (mm)	D2 (mm)	H (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	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		570

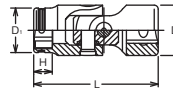
3440T (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 6	7.9	19	5.4	44.9	60	10
E 8	9.9	19	7	46.5	63	10
E10	11.8	19	8.2	47.7	63	10
E12	14.5	19	9.3	48.8	68	10
E14	15.7	19	10.6	50.1	68	10
E16	18	19	11.8	51.3	70	10
E18	19.5	19	13	53.5	78	10
E20	22	19	14.4	54.9	81	10

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

3441M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	19	5	46	57	10
10	14.5	19	6	46	58	10
New 11	15.8	19	6.5	46.5	61	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
New 15	21	19	9	50	69	10
New 16	22	19	9	50	70	10
New 17	23.5	19	9.5	51	73	10
New 18	24.6	19	10.5	51.5	76	10
New 19	26	19	11.5	52.5	80	10



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



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

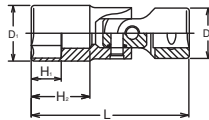
RS3441M/11	11 Pieces Set/Rail 300mm	(g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		750

RS3441M/5 Socket Set on Rail
RS3441M/11 Juego de Vasos en Regleta



3340M.75 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

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



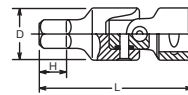
RS3340M/8-L75	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		810

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



3430M (mm)	D (mm)	H (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

3430M Universal Inhex Bit Sockets
Vasos Inhex con Articulación Universal



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

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



Z-SERIES
HAND
MANUALES
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PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

Hand Sockets 3/8"

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

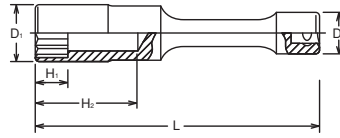
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

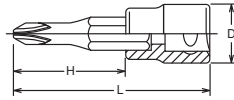
3117M-125 • -250 Extension Deep Sockets Vasos con Alargadera



3117M.125 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)
10	14.5	18	10	44	125	121	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

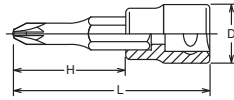
3117M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)
10	14.5	18	10	44	250	233	1
12	17	18	12	44	250	246	1
13	18	18	13	44	250	249	1
14	19.5	18	14	44	250	262	1
17	23.5	18	17	44	250	289	1
19	25	18	19	44	250	298	1

3000-60 (PH) PH Bit Sockets Vasos con Punta PH



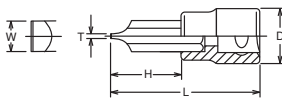
3000 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	18	33.5	60	49	10
2	18	33.5	60	49	10
3	18	33.5	60	49	10
4	18	33.5	60	50	10

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




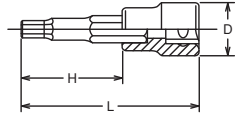
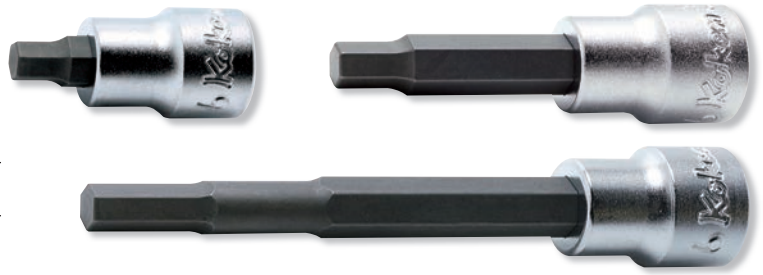
3005	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0× 5.5	18	33.5	60	47	10
8	1.2× 8	18	33.5	60	49	10
10	1.6×10	20	33.5	60	85	10

	 PH	 PZ	 Slotted	 HEX	 HEX (ball point)	 Triple Square (XZN)	 TORX® (T)	 TORX® (TH)	 TORXPLUS® (IP)	 TORXPLUS® (IPR)	 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(IPR) series	—
 3/8"	No.3000 series	No.3000(PZ) series	No.3005 series	No.3010M/A series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(IPR) series	No.3027 series
 1/2"	No.4000 series	No.4000(PZ) series	No.4005 series	No.4010M/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	36	10
7	18	11.5	38	36	10
8	18	11.5	38	38	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.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.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.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.)
1/8	18	23.5	50	35	10
5/32	18	23.5	50	36	10
3/16	18	23.5	50	36	10
7/32	18	23.5	50	38	10
1/4	18	23.5	50	40	10
9/32	18	23.5	50	42	10
5/16	18	23.5	50	44	10
11/32	20	23.5	50	59	10
3/8	20	23.5	50	60	10
7/16	20	23.5	50	74	10
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  

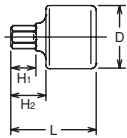


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CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HEZAS/REPLUSTO

Hand Sockets 3/8"

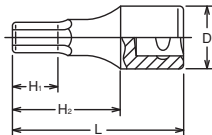
Z-SERIES
HAND
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CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3012M-25 Inhex Sockets Vasos con Punta de Hexagonal



3012M-52 · -62 · -75 Inhex Sockets Vasos con Punta de Hexagonal

3012A-52 · -62 · -75



3012M.52 (mm)	D (mm)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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

RS3012M/8-L52 Socket Set on Rail Juego de Vasos en Regleta

RS3012A/8-L52



3012M.25 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3	18.5	5.5	10	25	22	10
4	18.5	5.5	10	25	22	10
5	18.5	6.5	10	25	22	10
6	18.5	7.5	10	25	23	10
7	18.5	10	-	25	24	10
8	18.5	10	-	25	25	10
10	18.5	10	-	25	27	10
12	18.5	10	-	25	30	10
14	19	10	-	25	30	10
17	19	10	-	25	30	10

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

3012A.52 (inch)	D (mm)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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	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

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
10	20	35.5	62	66	10
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
New 10	20	73.5	100	91	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 (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

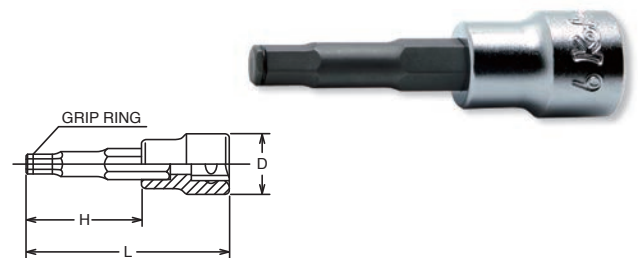
3015M have less load capacity than standard. It must be used with proper engagement and apply load evenly to avoid breakage.

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

3015M-62 · -100

Inhex Bit Sockets, Grip Ring
Vasos con Punta Hexagonal, Grip Ring



RS3015M/8-L62

Socket Set on Rail
Juego de Vasos en Regleta

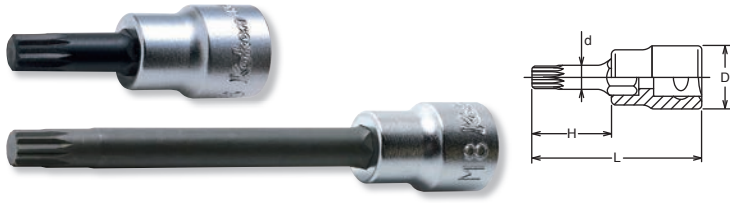
RS3015M/8-L100



Hand Sockets 3/8"

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CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

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



3020.120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	7.8	93.5	120	77	10
M 5	18	7.8	93.5	120	79	10
M 6	18	7.8	93.5	120	81	10
M 8	18	7.8	93.5	120	82	10
M10	20	11.9	93.5	120	119	10
M12	20	11.9	93.5	120	123	10
M14	22	13.9	93.5	120	165	5

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



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



3020.38 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	18	7.8	11.5	38	32	10
M 6	18	7.8	11.5	38	33	10
M 8	18	7.8	11.5	38	36	10
M10	20	11.9	11.5	38	51	10
M12	20	11.9	11.5	38	52	10
M14	22	13.9	11.5	38	74	10

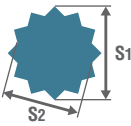
3020.50 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	7.8	23.5	50	35	10
M 5	18	7.8	23.5	50	37	10
M 6	18	7.8	23.5	50	39	10
M 8	18	7.8	23.5	50	40	10
M10	20	11.9	23.5	50	65	10
M12	20	11.9	23.5	50	69	10
M14	22	13.9	23.5	50	75	10

3020.100 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	7.8	73.5	100	57	10
M 5	18	7.8	73.5	100	59	10
M 6	18	7.8	73.5	100	61	10
M 8	18	7.8	73.5	100	62	10
M10	20	11.9	73.5	100	99	10
M12	20	11.9	73.5	100	103	10
M14	22	13.9	73.5	100	145	5

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

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

XZN



XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S ₁	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S ₂	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

3027-50 · -100 Bit Sockets for Ribe Screws Vasos con Punta Ribe



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

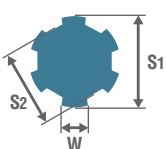
3027.100	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	18	73.5	100	40	10
M 6	18	73.5	100	42	10
M 8	18	73.5	100	45	10
M10	20	73.5	100	52	10
M12	20	73.5	100	73	10

RS3027/5-L50 Socket Set on Rail Juego de Vasos en Regleta



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

Ribe CV



CV		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
W	(ref. mm)	1.2	1.3	1.4	1.8	2.0	2.3	2.6	3.1	3.2	3.6
S ₁	(ref. mm)	5.0	6.0	7.0	8.0	9.0	10.0	12.0	13.0	14.0	16.0
S ₂	(ref. mm)	3.8	4.5	5.0	6.0	7.1	7.4	9.0	11.0	10.4	11.9

3/8" Hand Sockets

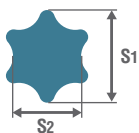
3025.38 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 8	18	11.5	38	32	10
T 9	18	11.5	38	32	10
T10	18	11.5	38	32	10
T15	18	11.5	38	33	10
T20	18	11.5	38	33	10
T25	18	11.5	38	33	10
T27	18	11.5	38	33	10
T30	18	11.5	38	33	10
T40	18	11.5	38	34	10
T45	18	11.5	38	37	10
T50	18	11.5	38	40	10
T55	20	11.5	38	57	10

3025.50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 8	18	23.5	50	36	10
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	18	23.5	50	42	10
T55	20	23.5	50	67	10

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

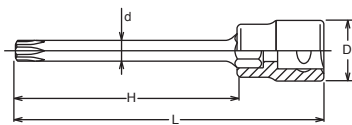
TORX® (T)



T	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S ₁ (ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S ₂ (ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

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

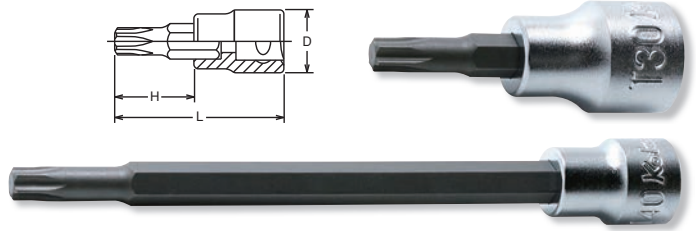
3025.100R (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20	18	4	73.5	100	38	10
T25	18	4.6	73.5	100	40	10
T27	18	5.2	73.5	100	42	10
T30	18	5.7	73.5	100	45	10
T40	18	6.8	73.5	100	52	10
T45	20	8	73.5	100	73	10
T50	20	9	73.5	100	80	10
T55	20	11.4	73.5	100	106	10



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

3025-38 · -50 · -140 (T)

TORX® Bit Sockets
Vasos con Punta TORX®



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

RS3025/8-L38



Socket Set on Rail
Juego de Vasos en Regleta

RS3025/8-L50



3025-50-T35

Bit Socket
Vasos con Punta



3025-100R (T)

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



RS3025/8-L100R

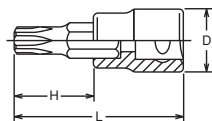


Socket Set on Rail
Juego de Vasos en Regleta



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.

3025.50 (TH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10H	18	23.5	50	34	10
T15H	18	23.5	50	35	10
T20H	18	23.5	50	35	10
T25H	18	23.5	50	35	10
T27H	18	23.5	50	35	10
T30H	18	23.5	50	35	10
T40H	18	23.5	50	35	10
T45H	18	23.5	50	41	10
T50H	18	23.5	50	42	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

 Socket Set on Rail
Juego de Vasos en Regleta



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

3247


 Bit Socket Set
Juego de Vasos con Punta



3247 4 Pieces Set/  =385g

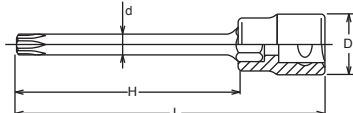
PLASTIC BAG

Sockets

 3025.160 Tamper-Resistant TORX® Bit Sockets
T27H, T30H, T40H, T50H

3025-100R (TH)

 Tamper-Resistant TORX® Bit Sockets, Round Shaft
Vasos con Punta TORX® Indeformable



3025.100R (TH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20H	18	4	73.5	100	38	10
T25H	18	4.6	73.5	100	40	10
T27H	18	5.2	73.5	100	42	10
T30H	18	5.7	73.5	100	45	10
T40H	18	6.8	73.5	100	52	10
T45H	20	8	73.5	100	73	10
T50H	20	9	73.5	100	80	10
T55H	20	11.4	73.5	100	106	10

RS3025/8-L100RH

 Socket Set on Rail
Juego de Vasos en Regleta



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

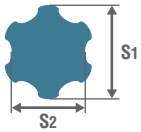
3025.50 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10IP	18	23.5	50	38	10
15IP	18	23.5	50	38	10
20IP	18	23.5	50	38	10
25IP	18	23.5	50	38	10
27IP	18	23.5	50	40	10
30IP	18	23.5	50	40	10
40IP	18	23.5	50	41	10
45IP	18	23.5	50	41	10
50IP	20	23.5	50	61	10
55IP	20	23.5	50	61	10

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

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"

TORXPLUS® (IP)



IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S ₁	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S ₂	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

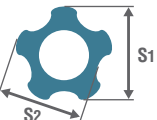
3025.50 (IPR)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10IPR	18	23.5	50	38	10
15IPR	18	23.5	50	38	10
20IPR	18	23.5	50	38	10
25IPR	18	23.5	50	38	10
27IPR	18	23.5	50	40	10
30IPR	18	23.5	50	40	10
40IPR	18	23.5	50	41	10
45IPR	18	23.5	50	41	10
50IPR	20	23.5	50	61	10
55IPR	20	23.5	50	61	10

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

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

1/4" + 3/8"

TORXPLUS® (IPR)

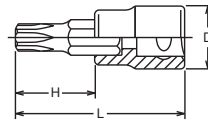


IPR		8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S ₁	(ref. mm)	2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
S ₂	(ref. mm)	2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7

3025-50 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

TORXplus®



RS3025/8-IP

Socket Set on Rail
Juego de Vasos en Regleta



RSX025/11-IP

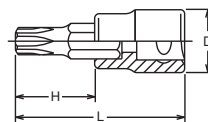
Socket Set on Rail
Juego de Vasos en Regleta



3025-50 (IPR)

Tamper-Resistant TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS® Indeflexible

TORXplus®



RS3025/9-IPR

Socket Set on Rail
Juego de Vasos en Regleta



RSX025/11-IPR

Socket Set on Rail
Juego de Vasos en Regleta



Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

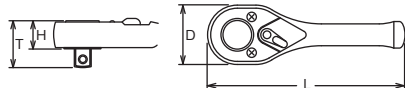
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



* Renewal Kits → 2749RK-3/8 → P320

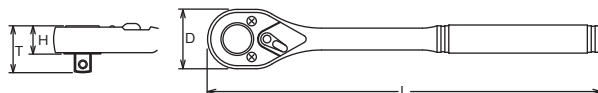
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749PS-3/8	25	21.9	11.2	75	70	10

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



* Renewal Kits → 2749RK-3/8 → P320

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



* Renewal Kits → 2749RK-3/8 → P320

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749N-3/8	25	21.9	11.2	125	104	1
2749P-3/8	25	21.9	11.2	125	101	1

⚠ 2749-3/8 series have less strength compared with normal [38] ratchet due to the technical design. Make sure to use the ratchet correctly.

3749S Reversible Ratchet Short Llave de Carraca Reversible Corta

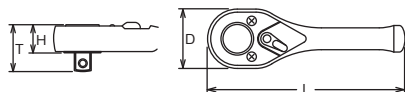


* Renewal Kits → 3749RK → P320

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



* Renewal Kits → 3749BRK → P320



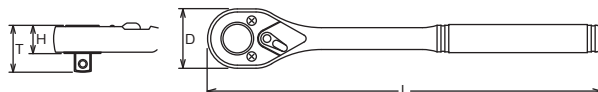
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3749S	34	24.8	14.1	110	183	5
3749SB	34	24.8	14.1	110	183	5

⚠ 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 → P320



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



* Renewal Kits → 3752RK → P321

3752N Reversible Ratchet Llave de Carraca Reversible

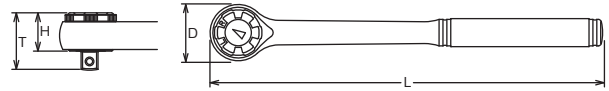


* Renewal Kits → 3752RK → P321

3752J Reversible Ratchet Llave de Carraca Reversible



	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



* Renewal Kits → 3752RK → P321

3776N Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria



* Renewal Kits → 3752RK → P321

3776P Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria

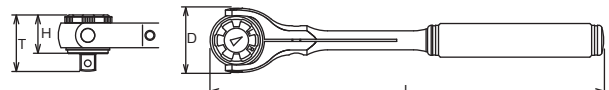


* Renewal Kits → 3752RK → P321

3776J Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria



	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



Z-SERIES
HAND
MANUALES
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"**

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

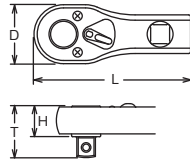
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



* Renewal Kits → **3753RK** → P320

	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** → P320

3753P Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **3753RK** → P320

3753J Reversible Ratchet
Llave de Carraca Reversible

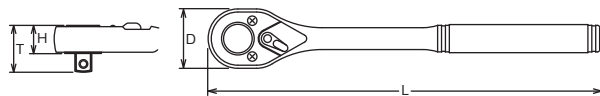


* Renewal Kits → **3753RK** → P320

D3753J Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **3753RK** → P320

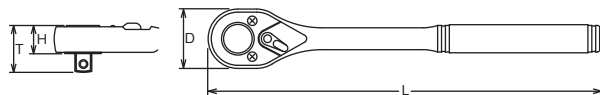


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3753N	30.5	26.4	15.7	200	320	1
3753P	30.5	26.4	15.7	200	286	1
3753J	30.5	26.4	15.7	200	260	1
D3753J	30.5	26.4	15.7	200	260	1


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



* Renewal Kits → **3753RK** → P320



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

 3753P-250 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

Z-SERIES
HAND
MANUALES
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

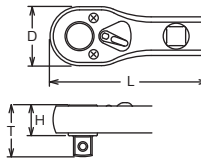


* Renewal Kits → 3753BRK → P320

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

3753SMB Multi Purpose Ratchet with Quick Release Button

Llave de Carraca de Aplicación General, reversible ⚠



3753NB Reversible Ratchet with Quick Release Button

Llave de Carraca Reversible con botón de extracción rápida ⚠



* Renewal Kits → 3753BRK → P320



3753PB Reversible Ratchet with Quick Release Button

Llave de Carraca Reversible con botón de extracción rápida ⚠



* Renewal Kits → 3753BRK → P320



3753JB Reversible Ratchet with Quick Release Button

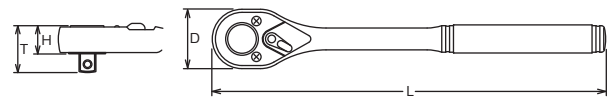
Llave de Carraca Reversible con botón de extracción rápida ⚠



* Renewal Kits → 3753BRK → P320

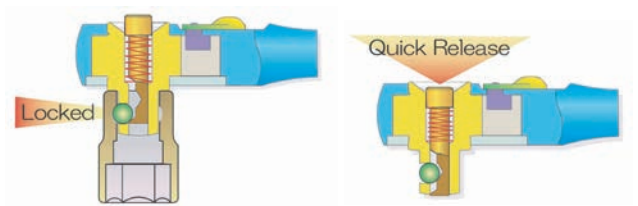


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753NB	30.5	26.4	15.7	200	320	1
3753PB	30.5	26.4	15.7	200	286	1
3753JB	30.5	26.4	15.7	200	260	1



Reversible Ratchet with Quick Release Button :
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.

Hand Sockets **3/8"**

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTOCONSTRUCTION
CONSTRUCCIÓN

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

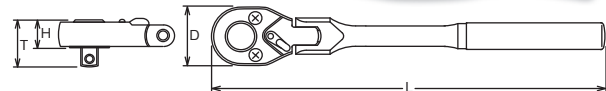


* Renewal Kits → 2749RK-3/8 → P320



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



* Renewal Kits → 2749RK-3/8 → P320



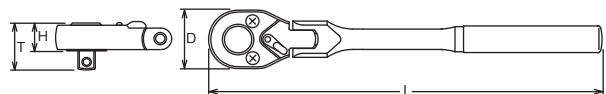
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2774PS-3/8	25	21.9	11.2	120	133	1
2774JS-3/8	25	21.9	11.2	120	113	1

 2774-3/8 series have less strength compared with normal  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 → P320



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774PS	30.5	26.4	15.7	175	250	1

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



* Renewal Kits → 3753RK → P320

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

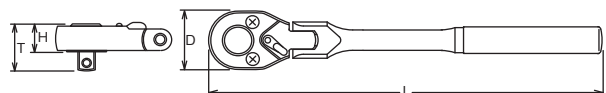


* Renewal Kits → 3753RK → P320

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



* Renewal Kits → 3753RK → P320



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

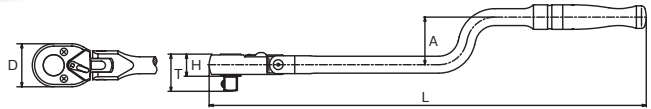


* Renewal Kits → 3753BRK → P320

3774P-SR Speeder Ratchet



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



* Renewal Kits → 3753BRK → P320



3774NB

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



* Renewal Kits → 3753BRK → P320

3774PB

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



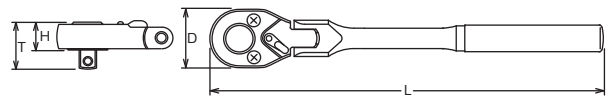
* Renewal Kits → 3753BRK → P320

3774JB

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

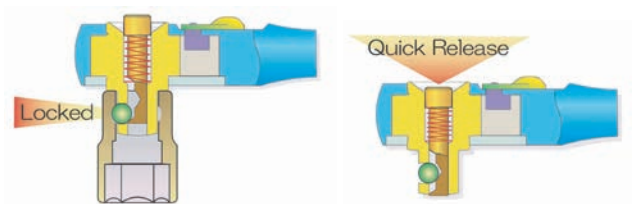


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774NB	30.5	26.4	15.7	265	378	1
3774PB	30.5	26.4	15.7	265	373	1
3774JB	30.5	26.4	15.7	285	340	1



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.

Hand Sockets **3/8"**

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



* Renewal Kits → 3753RK → P320



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



* Renewal Kits → 3753RK → P320



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



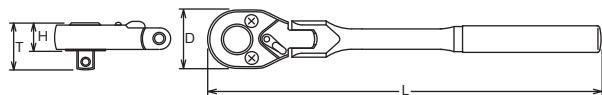
* Renewal Kits → 3753RK → P320



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



* Renewal Kits → 3753BRK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774NL	30.5	26.4	15.7	265	378	1
3774PL	30.5	26.4	15.7	265	378	1
3774JL	30.5	26.4	15.7	285	340	1
3774JBL	30.5	26.4	15.7	285	340	1

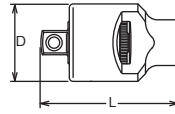
⚠️ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

45

* Renewal Kits → 3755RK → P321

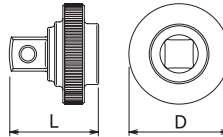
	D (mm)	L (mm)	(g)	(pcs.)
3755	30.5	55	146	5

3755 Ratchet Adaptor
Adaptador de carraca



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

3756 Quick Spinner
Disco de Giro Rápido

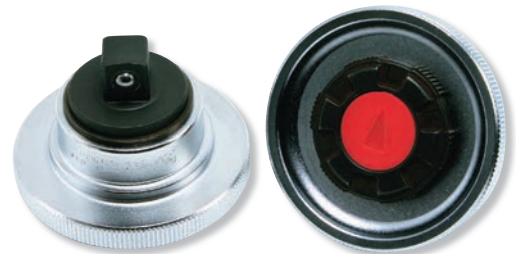
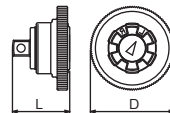


L/R Marking
45

* Renewal Kits → 3752RK → P321

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

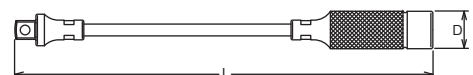
3757 Ratchet Wheel
Rueda de carraca



3762 Flexible Extension Bar
Alargadera Flexible



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



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JUEGOS DE HERRAMIENTAS

Hand Sockets **3/8"**

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ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

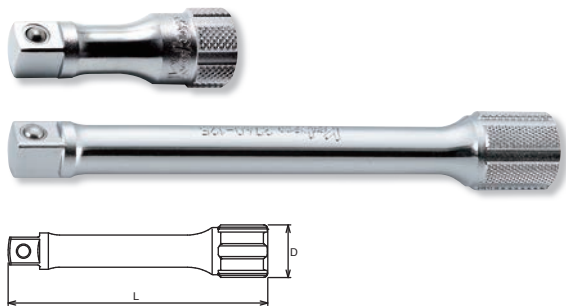
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3760 Extension Bars Alargaderas



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

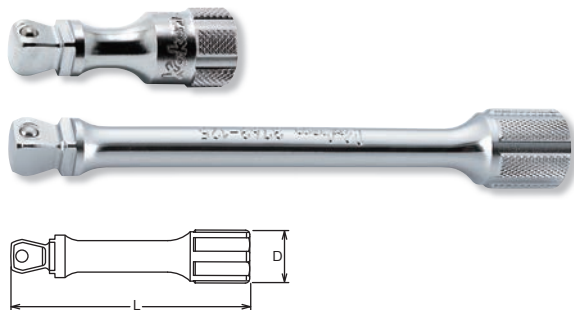
PK3760/6 Set Juego



PK3760/6 6 Pieces Set/△=670g
PLASTIC TRAY

Extension Bars
3760 Extension Bars 32, 50, 75, 125, 150, 250

3763 Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas



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

PK3763/6 Set Juego

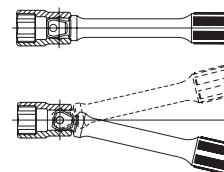


PK3763/6 6 Pieces Set/△=560g
PLASTIC TRAY

Extension Bars
3763 Wobble-Fix Extension Bars 32, 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.

⚠ 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.

3/8" Hand Sockets



RENEWAL KIT FOR HINGE HANDLE



OVAL SHAPE SHANK



OVAL Shank

* Renewal Kits → 3768RK → P323

3768N-175 Hinge Handle
Mango Articulado



OVAL Shank

* Renewal Kits → 3768RK → P323

3768N-250 Hinge Handle
Mango Articulado



OVAL Shank

* Renewal Kits → 3768RK → P323

3768P-250 Hinge Handle
Mango Articulado



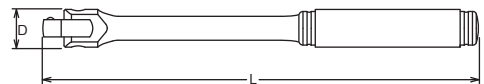
OVAL Shank

* Renewal Kits → 3768RK → P323

3768J-250 Hinge Handle
Mango Articulado



	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



OVAL Shank

* Renewal Kits → 3768RK → P323

3768N-300 Hinge Handle
Mango Articulado ⚠

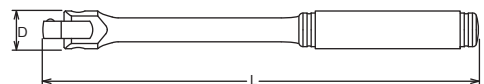


* Renewal Kits → 3768RK → P323

3768P-380 Hinge Handle
Mango Articulado ⚠



	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.

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INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPOSTO


Hand Sockets **3/8"**

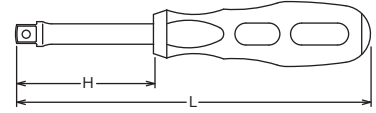
Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
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AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

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

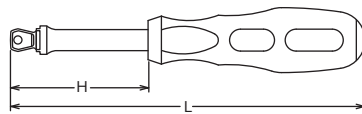


3769N	H (mm)	L (mm)	(g)	(pcs.)
160	50	160	110	2
230	120	230	135	2


 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 Articulados-Fijos

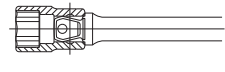


3769NWF	H (mm)	L (mm)	(g)	(pcs.)
160	50	160	110	2
230	120	230	135	2

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

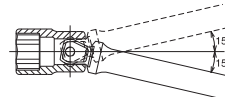
Wobble-Fix Extension Bar

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.

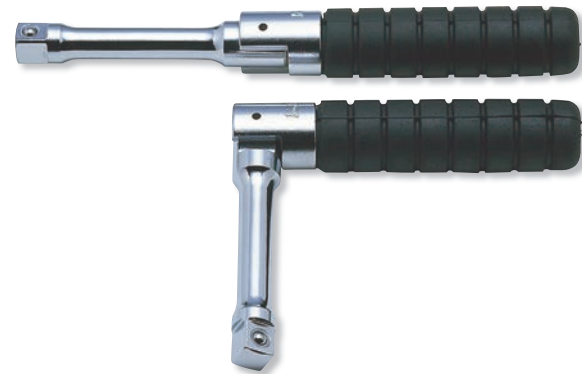


Alargadera Articulada-Fija

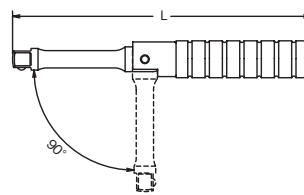
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



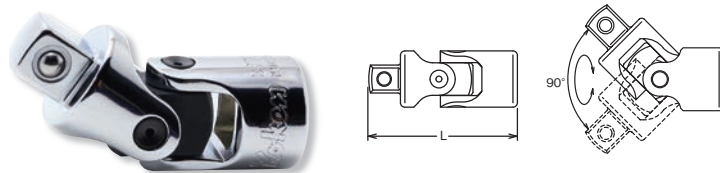
3769H Folding Socket Driver Llave de Vaso Plegable



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

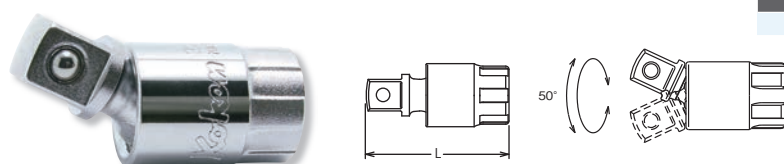


3770 Universal Joint Articulación Universal



3770	L (mm)	(g)	(pcs.)
3770	50	66	10

3771 Universal Joint Articulación Universal

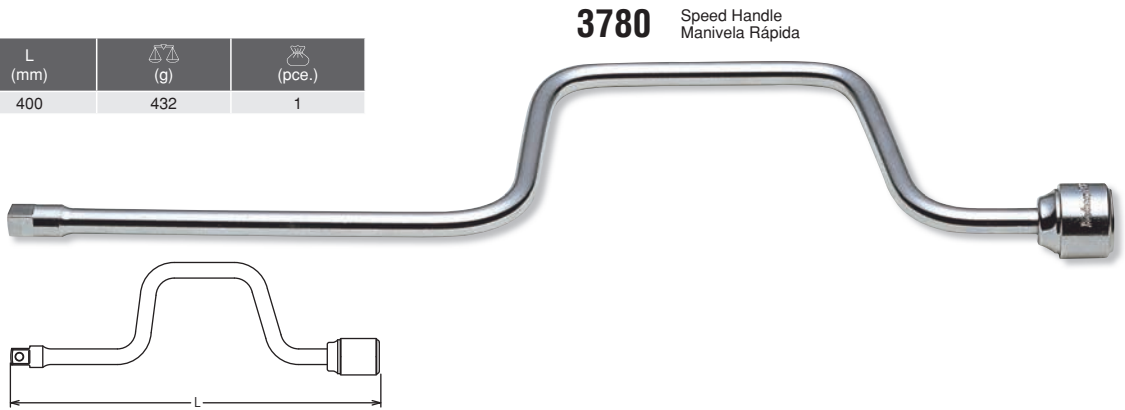


3771	L (mm)	(g)	(pcs.)
3771	43	46	10



3/8" Hand Sockets

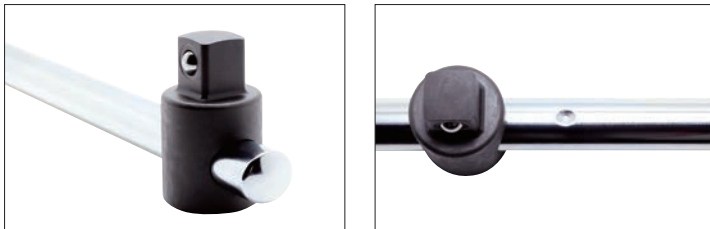
	L (mm)	(g)	(pcs.)
3780	400	432	1



3780 Speed Handle
Manivela Rápida

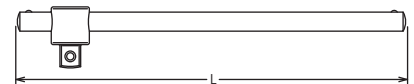


3785 T-Handle
Mango Corredizo



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

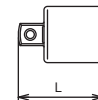


	(sq)	(sq)	L (mm)	(g)	(pcs.)
3322A	3/8"	1/4"	24	18	10
3344A	3/8"	1/2"	30	35	10

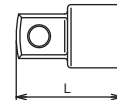
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

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

3322A Adaptor
Adaptador Warranty 86Nm
Garantía 86Nm **⚠**



3344A Adaptor
Adaptador



PK2346/6	6 Pieces Set/6 Pzas=460g	
PLASTIC TRAY		

Adaptors

1/4" □ → 3/8" □	2233A	3/8" □ → 1/4" □	3322A
3/8" □ → 1/2" □	3344A	1/2" □ → 3/8" □	4433A-35
1/2" □ → 3/4" □	4466A	3/4" □ → 1/2" □	6644A

PK2346/6 Set
Juego

- 2233A (1/4" X 3/8")
- 3322A (3/8" X 1/4") Warranty/Garantía 86Nm
- 3344A (3/8" X 1/2")
- 4433A (1/2" X 3/8") Warranty/Garantía 290Nm
- 4466A (1/2" X 3/4")
- 6644A (3/4" X 1/2") Warranty/Garantía 668Nm



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Hand Sockets **3/8"**

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JUEGOS DE PIEZAS/REPUSTOCONSTRUCTION
CONSTRUCCION

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

3200M

18 Pieces Set/△=2,250g

METAL CASE:W415xH120xT50mm

Sockets	Accessories
3400M 6-pt. Sockets 6, 8, 9, 10, 11, 12	3753N
3405M 12-pt. Sockets 13, 14, 17, 18, 19, 21	3760-125
	3760-250
	3768N-250
	3769N-160
	3785

3200A

18 Pieces Set/△=2,250g

METAL CASE:W415xH120xT50mm

Sockets	Accessories
3400A 6-pt. Sockets 1/4, 5/16, 3/8, 7/16	3753N
3405A 12-pt. Sockets 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8	3760-125
	3760-250
	3768N-250
	3769N-160
	3785

3201AMW

42 Pieces Set/△=4,700g

METAL CASE:W445xH190xT50mm

Sockets	Accessories
3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	3753N
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	3760-75
	3760-125
	3760-250
	3768N-250
3405W 12-pt. Sockets 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	3769N-160
	3770
	3780
	3785
	3344A

3206M

21 Pieces Set/△=2,100g

METAL CASE:W395xH90xT50mm

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
	3768N-250
	3785

3206A

17 Pieces Set/△=2,000g

METAL CASE:W395xH90xT50mm


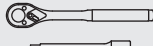
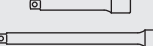
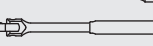

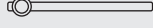


Sockets	Accessories
3400A 6-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16	3753N
3405A 12-pt. Sockets 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3760-125
	3760-250
	3768N-250
	3785

3206AM


27 Pieces Set/△=3,500g

METAL CASE:W445xH190xT50mm

Sockets	Accessories
3405M 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	3753N
3405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3760-125
	3760-250
	3768N-250
3300C Spark Plug Socket 20.8	3770




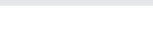
3210M 22 Pieces Set/重量=2,900g	
METAL CASE:W360xH145xT50mm	
Sockets	Accessories
 3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12	 3753N  3760-125  3760-250  3768N-250  3770  3785
 3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22	



3217M 14 Pieces Set/重量=850g	
METAL CASE:W163xH52xT33mm	
Sockets	
 3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	


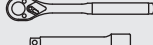
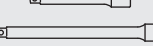
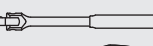

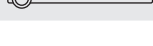

3217M Socket Set
Juego de Vasos



3220M 14 Pieces Set/重量=2,270g	
METAL CASE:W415xH120xT50mm	
Sockets	Accessories
 3405M 12-pt. Sockets 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22	 3753N  3760-125  3768N-250


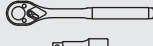
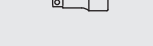

3220M Socket Set
Juego de Vasos



3221M 18 Pieces Set/重量=2,300g	
METAL CASE:W415xH120xT50mm	
Sockets	Accessories
 3405M 12-pt. Sockets 6, 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22	 3753N  3760-125  3760-250  3768N-250  3769N-160  3785

3221M Socket Set
Juego de Vasos



3244 12 Pieces Set/重量=1,110g	
METAL CASE:W240xH100xT32mm	
Sockets	Accessories
 3025.50 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50	 3753N  3760-75
 3425 TORX® Sockets E8, E10, E12	

3244 Socket Set
Juego de Vasos



Z-SERIES
HAND
MANUALES
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

Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

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

S3240M-00 · S3240A-00 S3240M-05 · S3240A-05

○ Display Stands
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

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

○ 3400M 6-pt. Sockets
7, 8, 10, 11, 12, 13,
14, 15, 16, 17, 18, 19

Accessories

	3753N
	3760-125
	3760-250
	3770
	3785

3252M Socket Set Juego de Vasos



3252M 15 Pieces Set/△=1,530g

METAL CASE:W310xH90xT48mm

Sockets

○ 3400M 6-pt. Sockets
5.5, 7, 8, 10, 11, 12
○ 3405M 12-pt. Sockets
13, 14, 17, 19, 22

Accessories

	3753P
	3760-75
	3760-125
	3770

P3262M-6P Socket Set Juego de Vasos



P3262M-6P 11 Pieces Set/△=1,140g

PLASTIC CASE:W245xH120xT45mm

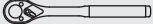





Sockets

○ 3400M 6-pt. Sockets
8, 10, 12, 13, 14, 17, 19

Accessories


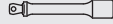
	3753N
	3760-75
	3760-125
	3770

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
3300C Spark Plug Sockets 16, 20.8	 3760-250
	 3768N-250
	 3770
	 3756






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	



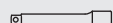
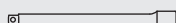
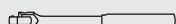


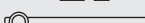


3277 29 Pieces Set/△=3,240g
METAL CASE:W370xH150xT50mm

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



3279AM 35 Pieces Set/△=4,200g
METAL CASE:W445xH190xT50mm

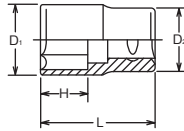
Sockets	Accessories
3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	 3753N
3405A 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8	 3760-75
3300S Spark Plug Sockets 16, 20.8	 3760-125
	 3760-250
	 3768N-250
	 3769N-160
	 3770
	 3785



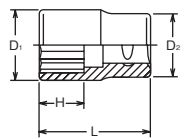
Hand Sockets 1/2"

Z-SERIES
HAND
MANUALES
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

4400M 6-point Sockets Vasos Hexagonales



4405M 12-point Sockets Vasos Bihexagonales



4400M 4405M (mm)	D ₁ (mm)	D ₂ (mm)	H (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










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

RS4405M/10



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

	 6-Point	 12-Point	 Surface Drive	 Nut Grip®	 TORX® (E)	 TORXPLUS® (EPL)	 Tampor-Resistant TORXPLUS® (EPRL)	 Double Square	 LHSTIX® (LH-S)
1/4"	No. 2400M/A No. 2300M/A No. 2400W-BA No. 2300W-BA No. 2300X series	No. 2405M/A No. 2305M/A No. AS2405A No. AS2305A series	No. 2410M No. 2310M series	No. 2450MS/AS No. 2350M No. 2350X series	No. 2425 No. 2325 series	—	—	No. 2415M/A series	—
3/8"	No. 3400M/A No. 3300M/A No. 3400W No. 3300W No. 3300X/XA series	No. 3405M/A No. 3305M/A No. 3405W No. 3305W No. 3305X/XA series	No. 3410M No. 3310M series	No. 3450M/A No. 3450MH No. 3350M No. 3350X series	No. 3425 No. 3325 series	—	—	No. 3415M/A series	No. 3400LH series
1/2"	No. 4400M/A No. 4300M/A No. 4400W series	No. 4405M/A No. 4305M/A No. 4405W series	No. 4410M No. 4310M series	No. 4450M series	No. 4425 No. 4325 series	No. 4425-EPL series	No. 4425-EPRL series	—	No. 4400LH series

1/2" Hand Sockets

4400A 4405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10.7	21	6	36	41	10
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
31/32	34	31	18	42	165	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

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

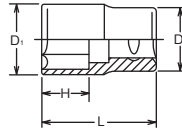
4400W 4405W (W)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	16.5	21	9.5	37	46	10
1/4	19	22	10.5	37	54	10
5/16	21.5	22	11.5	37	54	10
3/8	25	24	13	37	73	10
7/16	29	27	15.5	38	87	10
1/2	31.5	29	16.5	40	133	10
9/16	35	32	19	42	165	5
5/8	37.8	34	20	43	191	5
11/16	40	36	22	46	222	5
3/4	44.2	39	24	47	280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

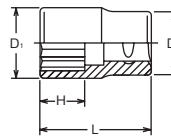
RS4405W/8	8 Pieces Set/Rail 250mm	(g)
3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8		860

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

4400A 6-point Sockets Vasos Hexagonales



4405A 12-point Sockets Vasos Bihexagonales

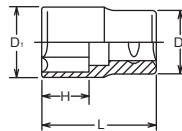


RS4400A/10 Socket Set on Rail Juego de Vasos en Regleta

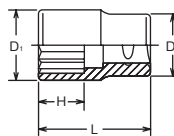
RS4405A/10 Socket Set on Rail Juego de Vasos en Regleta



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



Z-SERIES
HAND
MANUALES
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"

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

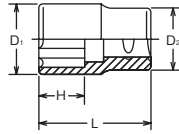
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

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



SURFACE DRIVE

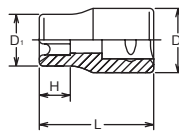
4410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74	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 Socket Set on Rail Juego de Vasos en Regleta



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

4425 TORX® Sockets Vasos TORX®



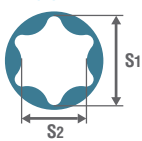
4425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 8	10.7	21	7	36	41	10
E10	13.2	21	8.2	36	44	10
E11	13.8	21	8.7	37	45	10
E12	14.6	21	9.3	37	47	10
E14	16.5	21	10.6	37	48	10
E16	19	22	11.8	37	57	10
E18	20.3	22	13	37	57	10
E20	22.8	22	14.4	37	63	10
E22	25	24	15.5	37	78	10
E24	26.5	25	17	40	95	5

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



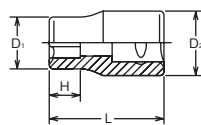
RS4425/7	7 Pieces Set/Rail 200mm	(g)
E10, E12, E14, E16, E18, E20, E24		428

TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

4425-N TORX® Sockets Vasos TORX®



4425 (E)	D ₁ (mm)	D ₂ (mm)	H (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 Socket Set on Rail Juego de Vasos en Regleta



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

4425 (EPL)	D ₁ (mm)	D ₂ (mm)	H (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

4425 (EPRL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 10EPRL	13.2	21	6.2	36	45	10
New 12EPRL	14.6	21	7.2	37	47	10
New 14EPRL	16.5	21	8.1	37	49	10
New 20EPRL	22.9	22	11.2	37	65	10

4450M (mm)	D ₁ (mm)	D ₂ (mm)	H (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

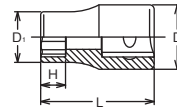
RS4450M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		717

4400LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (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-EPL TORXPLUS® Sockets Vasos TORXPLUS®

TORXplus

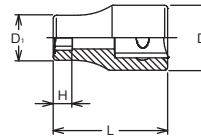


RS4425/6-EPL Socket Set on Rail Juego de Vasos en Regleta

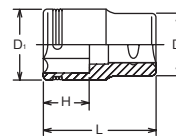


4425-EPRL Tamper-Resistant TORXPLUS® Sockets Vasos TORXPLUS® Indeformable

TORXplus



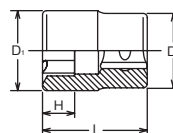
4450M Nut Grip Sockets Nut Grip® Vasos Sujeta-Tuerca Nut Grip®



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



4400LH LHS Sockets Vasos LHS



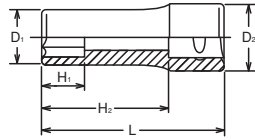
RS4400LH/6 Socket Set on Rail Juego de Vasos en Regleta



Hand Sockets 1/2"

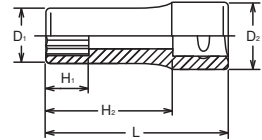
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4300M • 4300A 6-point Deep Sockets Vasos Hexagonales Largos



4300M 4305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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	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	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
35	46.2	40	35	53	77	458	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)	H ₁ (mm)	H ₂ (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	442	5
1. 7/16	47.2	41	35	53	77	458	5
1. 1/2	49	44	38	53	77	523	5
1.13/16	59	48	38	51	77	791	2

RS4300M/10 Socket Set on Rail Juego de Vasos en Regleta


RS4305M/10


RS4300A/10 Socket Set on Rail Juego de Vasos en Regleta


RS4305A/10



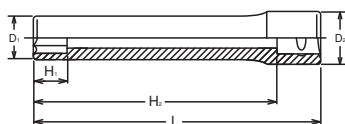
RS4300M/10	10 Pieces Set/Rail 300mm	 (g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		1,415

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

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



4300M(L120) (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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
E22	25	24	15.5	59	77	188	10
E24	26.6	25	17	59	77	215	10

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

4325(L140) (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

NUT GRIP®

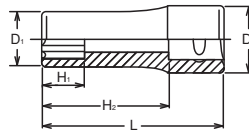
Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.

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

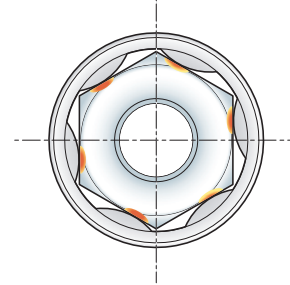


NUT GRIP®

4310M Surface Drive Deep Sockets



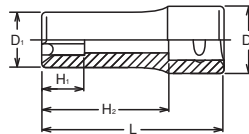
SURFACE DRIVE



RS4310M/10 Socket Set on Rail



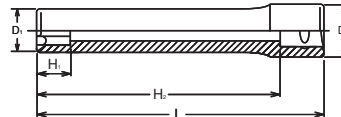
4325 TORX® Deep Sockets



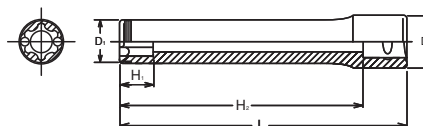
RS4325/7 Socket Set on Rail



4325 (L140) TORX® Extra Deep Sockets



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

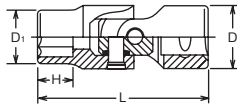
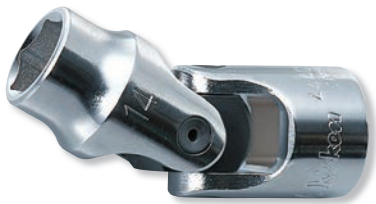


Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

Hand Sockets 1/2"

Z-SERIES
HAND MANUALES
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

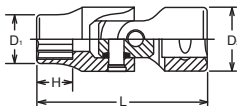
4440M • 4440A 6-point Universal Sockets Vasos Hexagonales con Articulación Universal



4440M (mm)	D ₁ (mm)	D ₂ (mm)	H (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)	H (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

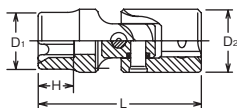
4445M • 4445A 12-point Universal Sockets Vasos Bihexagonales con Articulación Universal



4445M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	25	8.8	63	155	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
17	24	25	14	69	150	10
19	26.5	25	15	71	170	10
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

4445A (inch)	D ₁ (mm)	D ₂ (mm)	H (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

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



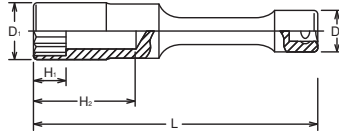
4440T (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10	13.2	25	8.2	62	145	10
E12	15	25	9.3	63	147	10
E14	16.3	25	10.6	65	148	10
E16	18.8	25	11.8	65	150	10
E18	20.4	25	13	67	153	10

1/2" Hand Sockets

4117M-125 • -250 Extension Deep Sockets Vasos con Alargaderas



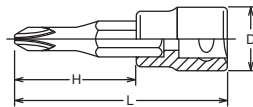
4117M.125 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)
13	18.7	24	13	59	125	213	1
14	20.2	24	14	59	125	227	1
17	24	24	17	59	125	274	1
19	26.9	24	19	59	125	279	1



4117M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)
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

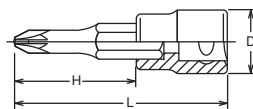
4000 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2	22	23.5	60	65	10
3	22	23.5	60	65	10
4	22	23.5	60	67	10

4000-60 (PH) PH Bit Sockets Vasos con Punta PH



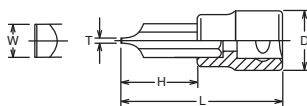
4000.60 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ2	22	23.5	60	65	10
PZ3	22	23.5	60	65	10

4000-60 (PZ) PZ Bit Sockets Vasos con Punta PZ



4005	TxW (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	1.2x 8	22	23.5	60	65	10
10	1.6x10	22	23.5	60	75	10
12	2.0x12	23	23.5	60	111	10
14	2.5x14	24	23.5	60	133	10
16	2.5x16	24	23.5	60	133	10

4005-60 Slotted Bit Sockets Vasos con Punta Recta para Cabezas Ranuradas



Z-SERIES
HAND
MANUALES
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"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES


PROTECTOR
PROTECTORES

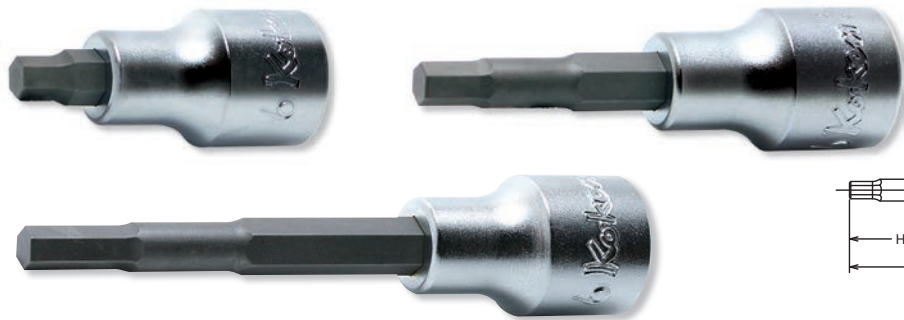
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

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
9	22	13.5	50	73	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
9	22	63.5	100	105	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
9	22	38.5	75	90	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.)
5/32	22	23.5	60	57	10
3/16	22	23.5	60	57	10
7/32	22	23.5	60	59	10
1/4	22	23.5	60	63	10
9/32	22	23.5	60	65	10
5/16	22	23.5	60	67	10
11/32	22	23.5	60	75	10
3/8	22	23.5	60	76	10
7/16	23	23.5	60	101	10
1/2	24	23.5	60	124	10
9/16	25	20	60	127	10
5/8	25	20	60	174	10
3/4	27	18	60	220	5



RS4010M/10-L50 Socket Set on Rail Juego de Vasos en Regleta

RS4010M/10-L75 Socket Set on Rail

RS4010A/10-L60 Socket Set on Rail



RS4010M/10-L50	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		968

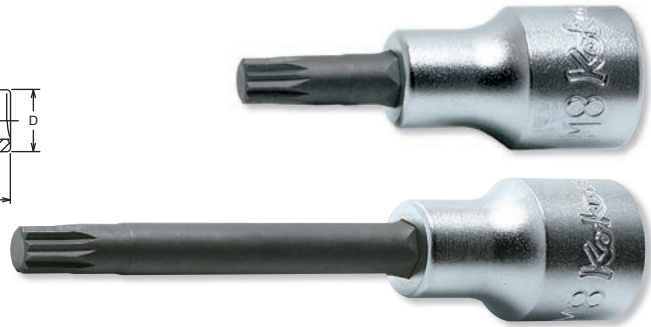
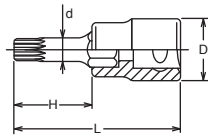
RS4010M/10-L75	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,207

RS4010A/10-L60	10 Pieces Set/Rail 300mm	(g)
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



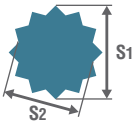
4020.60 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	23.5	60	60	10
M 6	22	7.8	23.5	60	61	10
M 8	22	7.8	23.5	60	63	10
M10	23	11.9	23.5	60	93	10
M12	23	11.9	23.5	60	97	10
M14	24	13.9	23.5	60	105	10
M16	25	16.9	20	60	165	10
M18	25	17.9	20	60	170	10

4020.100 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	63.5	100	77	10
M 6	22	7.8	63.5	100	78	10
M 8	22	7.8	63.5	100	80	10
M10	23	11.9	63.5	100	132	10
M12	23	11.9	63.5	100	136	10
M14	24	13.9	63.5	100	144	5
M16	25	16.9	60	100	250	5
M18	27	17.9	60	100	300	5

4020.120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	83.5	120	86	10
M 6	22	7.8	83.5	120	87	10
M 8	22	7.8	83.5	120	89	10
M10	23	11.9	83.5	120	152	10
M12	23	11.9	83.5	120	156	10
M14	24	13.9	83.5	120	164	5

4020.140 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	103.5	140	95	10
M 6	22	7.8	103.5	140	96	10
M 8	22	7.8	103.5	140	98	10
M10	23	11.9	103.5	140	172	5
M12	23	11.9	103.5	140	176	5
M14	24	13.9	103.5	140	184	5

XZN



XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S ₁	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S ₂	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

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




	PH	PZ	Slotted	HEX	HEX (ball point)	Triple Square (XZN)	TORX® (T)	TORX® (TH)	TORXplus® (IP)	TORXplus® (IPR)	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(IPR) series	—
3/8"	No.3000 series	No.3000(PZ) series	No.3005 series	No.3010M/A series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(IPR) series	No.3027 series
1/2"	No.4000 series	No.4000(PZ) series	No.4005 series	No.4010M/A series	No.4012M/A series	No.4020 series	No.4025 series	—	No.4025(IP) series	—	No.4027 series

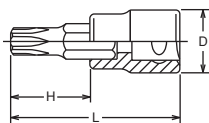
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
RENEWAL KITS
CONSTRUCCION
JUEGOS DE HERRAMIENTAS

Hand Sockets 1/2"

Z-SERIES
HAND MANUALES
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.)
T15	22	23.5	60	58	10
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
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
T80	24	100	140	320	5

RS4025/9-L60

  Socket Set on Rail
Juego de Vasos en Regleta

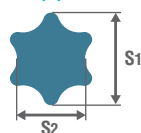


RS4025/9-L60 9 Pieces Set/Rail 250mm

T20, T25, T27, T30, T40, T45, T50, T55, T60

(g)
700

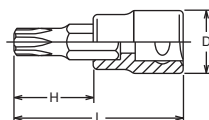
TORX® (T)



	T	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

4025-60-T35

 Bit Socket
Vasos con Punta



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

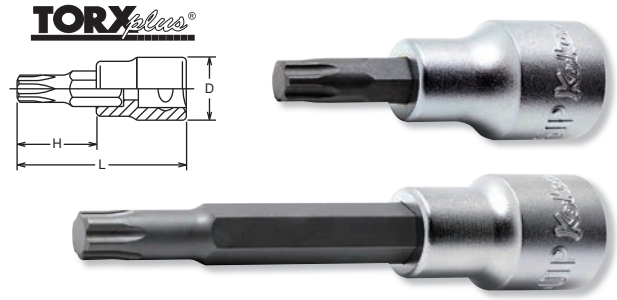
1/2" Hand Sockets

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

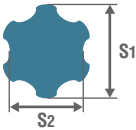
4025-60 · -100 (IP) TORXPLUS® Bit Sockets Vasos con Punta TORXPLUS®



RS4025/9-IP Socket Set on Rail Juego de Vasos en Regleta



TORXPLUS® (IP)



IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S ₁	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S ₂	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

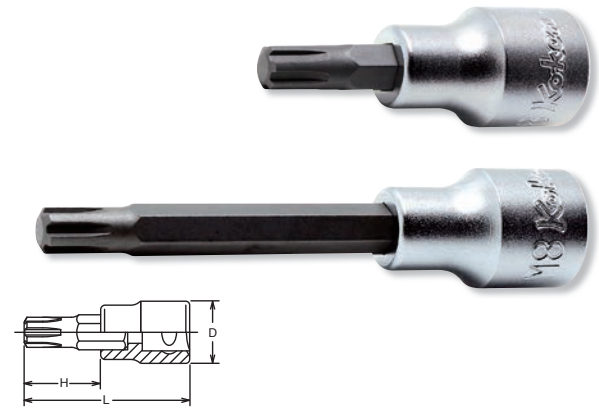
4027.60	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	62	10
M 7	22	23.5	60	63	10
M 8	22	23.5	60	64	10
M 9	22	23.5	60	70	10
M10	22	23.5	60	74	10
M12	23	23.5	60	96	10
M13	24	23.5	60	116	10
M14	24	23.5	60	122	10
M16	24	25	60	135	10

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

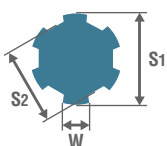
4027-60 · -100 · -140 Bit Sockets for Ribe Screws Vasos con Punta para Tornillos Ribe



RS4027/6-L60 Socket Set on Rail Juego de Vasos en Regleta



Ribe CV





CV		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
W	(ref. mm)	1.2	1.3	1.4	1.8	2.0	2.3	2.6	3.1	3.2	3.6
S ₁	(ref. mm)	5.0	6.0	7.0	8.0	9.0	10.0	12.0	13.0	14.0	16.0
S ₂	(ref. mm)	3.8	4.5	5.0	6.0	7.1	7.4	9.0	11.0	10.4	11.9

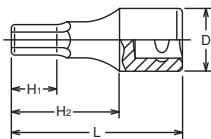
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
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SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
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INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE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

Hand Sockets 1/2"

Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
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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)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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
22	26	22.5	53	75	266	10
24	27.9	22.5	53	75	315	10

4012M.60 (mm)	D (mm)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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

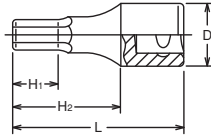




RS4012M/10-L60	10 Pieces set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		910



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



4012A-43 · -60 · -75 · -100



 Inhex Sockets
Vasos Inhex 




4012A.43 (inch)	D (mm)	H ₁ (mm)	H ₂ (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
7/8	26	11.5	23	43	141	10

4012A.60 (inch)	D (mm)	H ₁ (mm)	H ₂ (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
7/8	26	22.5	38	60	202	10

4012A.75 (inch)	D (mm)	H ₁ (mm)	H ₂ (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
7/8	26	22.5	53	75	262	10

4012A.100 (inch)	D (mm)	H ₁ (mm)	H ₂ (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



Socket Set on Rail
Juego de Vasos en Regleta



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

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CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **1/2"**

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SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

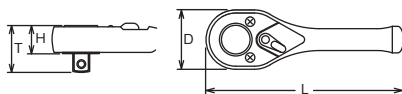


* Renewal Kits → 3749SRK-1/2 → P320

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 → P320



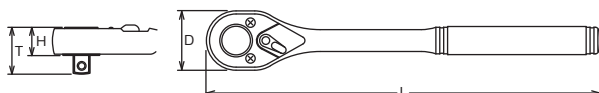
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3749S-1/2	34	29	14.4	110	200	5
3749SB-1/2	34	29	14.4	110	200	5

⚠ 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 → P320



	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



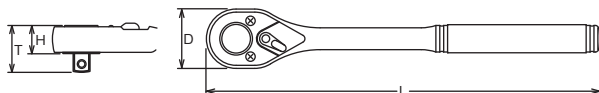
* Renewal Kits → 4749RK → P320



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



* Renewal Kits → 4749RK → P320



	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 → P320

4750N Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 4750RK → P320

4750P Reversible Ratchet
Llave de Carraca Reversible

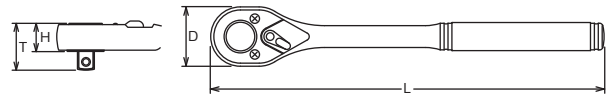


* Renewal Kits → 4750RK → P320

4750J Reversible Ratchet
Llave de Carraca Reversible



	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



* Renewal Kits → 4750BRK → P320

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



* Renewal Kits → 4750BRK → P320

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

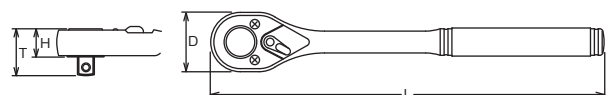


* Renewal Kits → 4750BRK → P320

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



	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"

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SLEEVE-DRIVE
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PROTECTOR PROTECTORES
AUTOMOTIVE
RENEWAL KITS CONSTRUCCION CONSTRUCCION
JUEGOS DE PIEZAS REPUSTO CONSTRUCCION

4752N Reversible Ratchet
Llave de Carraca Reversible



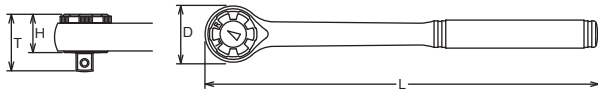
* Renewal Kits → **4752RK** → P321



4752J Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **4752RK** → P321



	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** → P320



4753P Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **4753RK** → P320



4753J Reversible Ratchet
Llave de Carraca Reversible



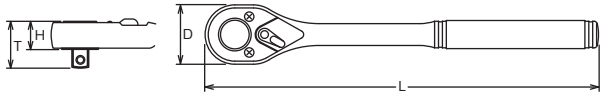
* Renewal Kits → **4753RK** → P320



D4753J Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **4753RK** → P320

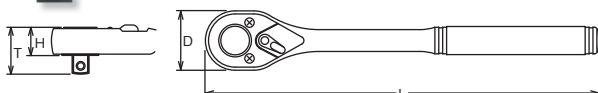


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753N	38	36.2	21.6	250	595	1
4753P	38	36.2	21.6	250	570	1
4753J	38	36.2	21.6	250	545	1
D4753J	38	36.2	21.6	250	510	1

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



* Renewal Kits → **4753RK** → P320



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

4753P-410 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.

1/2" Hand Sockets

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PROTECTORES
AUTOMOTIVE
CONSTRUCTION
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RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO



* Renewal Kits → 4753BRK → P320

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



* Renewal Kits → 4753BRK → P320

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

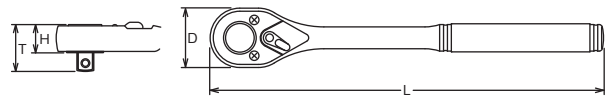


* Renewal Kits → 4753BRK → P320

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



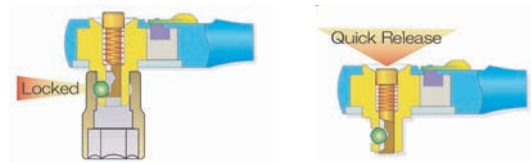
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753NB	38	36.2	21.6	250	595	1
4753PB	38	36.2	21.6	250	570	1
4753JB	38	36.2	21.6	250	545	1



⚠ 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"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
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PROTECTOR
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CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



* Renewal Kits → 4753RK → P320



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



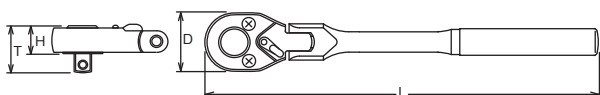
* Renewal Kits → 4753RK → P320




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



* Renewal Kits → 4753RK → P320

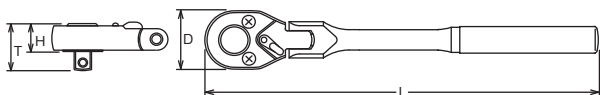


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4774N	38	36.2	21.6	330	700	1
4774P	38	36.2	21.6	330	700	1
4774J	38	36.2	21.6	330	685	1


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



* Renewal Kits → 4753RK → P320



	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



* Renewal Kits → 4753BRK → P320

4774NB

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



OVAL SHAPE SHANK



* Renewal Kits → 4753BRK → P320

4774PB

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



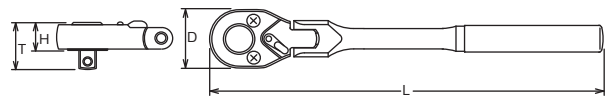
* Renewal Kits → 4753BRK → P320

4774JB

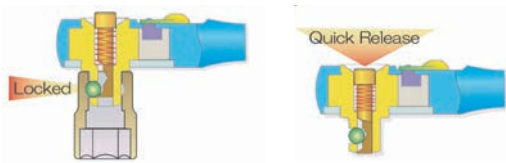
Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, reversible con botón de extracción rápida



	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.

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JUEGOS DE HERRAMIENTAS

Hand Sockets 1/2"

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SCREWDRIVERS DESTORNILLADORES
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INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

4768N-300 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P323



RENEWAL KIT FOR HINGE HANDLE



OVAL SHAPE SHANK

4768N-380 • -450 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P323



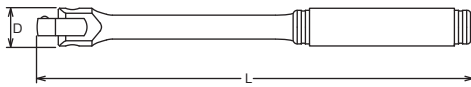
4768P-380 • -450 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P323



4768J-380 • -450 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P323



⚠ 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 → P323



4768P-600 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P323



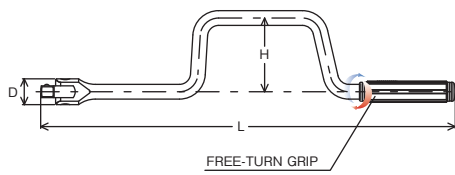
4768J-600 Hinge Handle Mango Articulado

* Renewal Kits → 4768RK → P323



⚠ 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 → P323

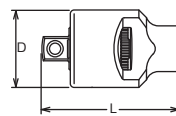


	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4781N-450	28	80	450	1000	1

4755 Ratchet Adaptor Adaptador de carraca

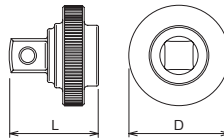
45

* Renewal Kits → 4755RK → P321



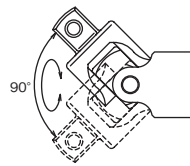
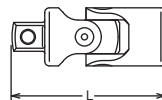
	D (mm)	L (mm)	(g)	(pcs.)
4755	33.5	65	270	5

4756 Quick Spinner Disco de Giro Rápido



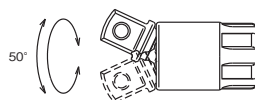
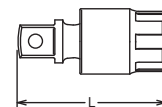
	D (mm)	L (mm)	(g)	(pcs.)
4756	38	34.5	95	10

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"

Z-SERIES

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MANGUITO

INDUSTRIAL
INDUSTRIALES

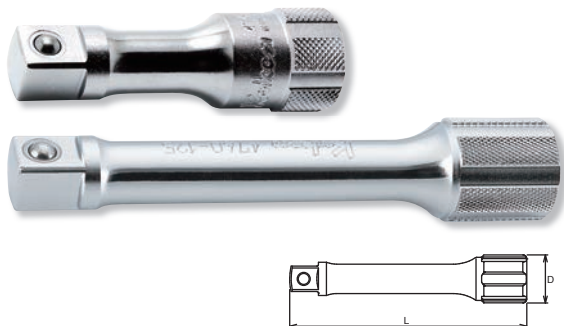
PROTECTOR
PROTECTORES

AUTOMOTIVE

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4760 Extension Bars Alargaderas



4760	D (mm)	L (mm)	(g)	(pcs.)
35	24	35	56	10
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



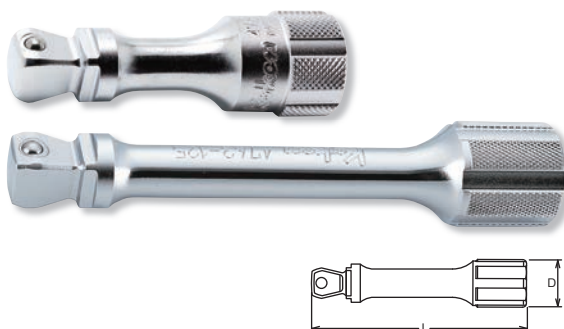
PK4760/5 5 Pieces Set/△=1,050g

PLASTIC TRAY

Extension Bars

4760 Extension Bars
50, 75, 125, 150, 250

4763 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
300	24	300	480	2
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

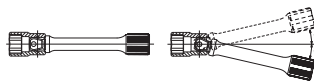
PLASTIC TRAY

Extension Bars

4763 Wobble-Fix Extension Bars
50, 75, 125, 150, 250

Wobble-Fix Extension Bar

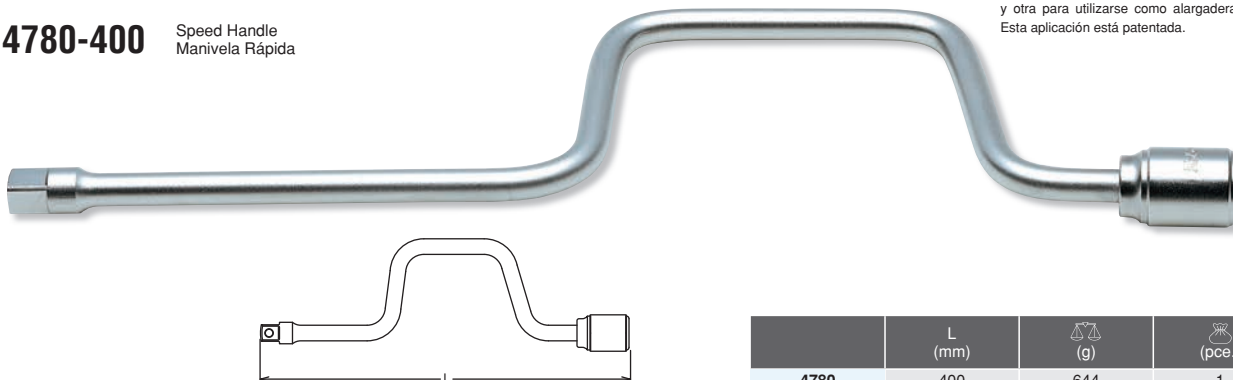
Two way usage : one for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.



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



OVAL SHAPE SHANK

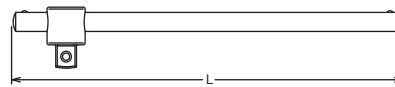
4785 T-Handle Mango Corredizo



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

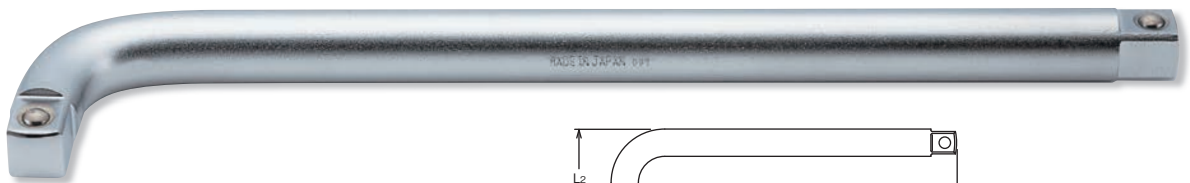


	L (mm)	(g)	(pcs.)
4785	300	410	2

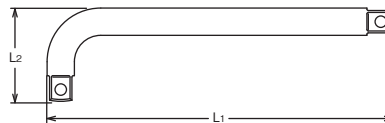


OVAL SHAPE SHANK

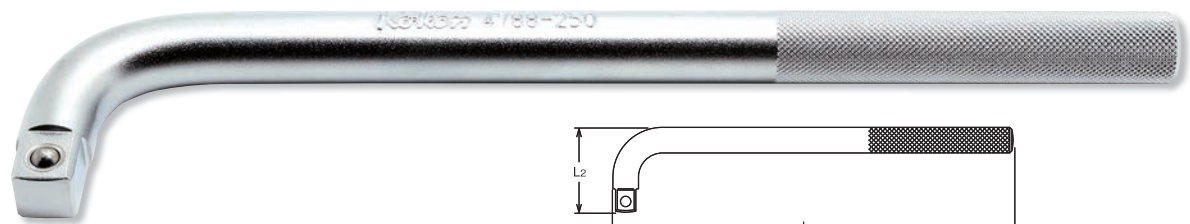
4747 L-Handle Mango Acodado



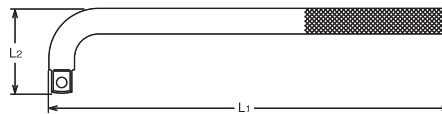
	L ₁ (mm)	L ₂ (mm)	(g)	(pcs.)
4747	263	53	470	1



4788-250 • -300 • -450 L-Handles Mango Acodado ⚠



	L ₁ (mm)	L ₂ (mm)	(g)	(pcs.)
250	250	53	417	2
300	300	53	503	1
450	450	53	745	1



⚠ 4788-450 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.

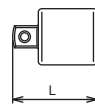
4433A	□ (sq.)	□ (sq.)	L (mm)	(g)	(pcs.)
35	1/2"	3/8"	35	50	10
75	1/2"	3/8"	75	120	10
125	1/2"	3/8"	125	164	5
250	1/2"	3/8"	250	275	5
600	1/2"	3/8"	600	530	1

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

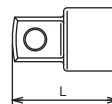
La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

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

4433A Adaptors Adaptadores Warranty 290Nm Garantía 290Nm ⚠



4466A Adaptor Adaptador



Z-SERIES
HAND MANUALES
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SLEEVE-DRIVE INDUSTRIAL INDUSTRIALES
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CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE HERRAMIENTAS

Hand Sockets 1/2"

Z-SERIES

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



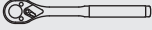
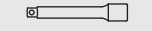
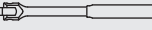
4227M		10 Pieces Set/⚖️=2,550g	
METAL CASE:W310xH150xT50mm			
Sockets		Accessories	
●	4012M.75 Hex Bit Sockets 5, 6, 8, 10, 12, 14, 17		4749N-250
			4760-75
			4760-125

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		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

4232M Socket Set Juego de Vasos








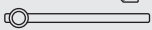
S4240M-00		4400M 117 Pieces Set/△=13,000g	
S4240M-05		4405M 117 Pieces Set/△=13,000g	
DISPLAY STAND:W510xH150xT230mm			
Sockets			
10mm:9pcs	16mm:9pcs	24mm:6pcs	
11mm:9pcs	17mm:8pcs	27mm:5pcs	
12mm:9pcs	19mm:7pcs	30mm:5pcs	
13mm:9pcs	21mm:7pcs	32mm:4pcs	
14mm:9pcs	22mm:6pcs		
15mm:9pcs	23mm:6pcs		

S4240M-00 · S4240A-00 ○ Display Stands Expositores

S4240M-05 · S4240A-05 ○

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	



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
○	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		4760-250
			4770
○	4300C Spark Plug Socket 20.8		4780
			4785

4238AM Socket Set Juego de Vasos



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INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets 1/2"

Z-SERIES
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ACCESORIOS

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INDUSTRIALES

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PROTECTORES

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

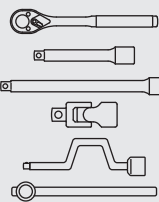
METAL CASE:W445xH190xT50mm

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

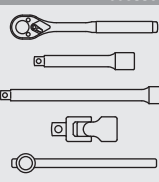
METAL CASE:W445xH190xT50mm

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

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 4425- E10, E12, E14 3325- E6, E8 4325- E10, E12, E14	 4763-50 4433A-35

4254 Socket Set
Juego de Vasos



Hand Sockets 1/2"

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PROTECTORES

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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	

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
4300C Spark Plug Sockets 16, 20.8			4760-250
4300M Wheel Nut Sockets 17(L60), 19(L60), 21(L60)			4768N-380
			4770
			4785

4275 Socket Set
Juego de Vasos



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

4276 Socket Set
Juego de Vasos



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
4305M 12-pt. Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24			4768N-380

4277 Socket Set
Juego de Vasos



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
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			4760-250
			4770
			4785

4279AM Socket Set
Juego de Vasos



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

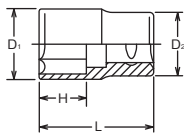
4289M Socket Set
Juego de Vasos



Hand Sockets 3/4"

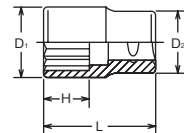
Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

6400M • 6400A 6-point Sockets Vasos Hexagonales



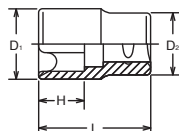
6400M 6405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	22.1	34	11	50	160	10
16	24.6	34	12	50	167	10
17	26	34	12.5	50	175	5
18	27	34	13	50	178	5
19	28.5	34	13.5	50	179	5
20	29.5	34	14	50	185	5
21	31	34	14.5	50	185	5
22	32	34	15	50	187	5
23	33.5	34	16	50	187	5
24	34.5	34	17	50	200	5
25	36	34	17.5	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	1
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)	H (mm)	L (mm)	(g)	(pcs.)
5/8	24.6	34	12	50	168	10
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

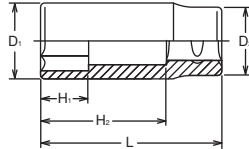
6425 TORX® Sockets Vasos TORX®





6425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E18	22.1	34	11.9	50	156	5
E20	24.6	34	13.3	50	166	5
E22	27.1	34	14.4	50	178	5
E24	28.6	34	16	50	185	5
E26	31.1	34	17.7	55	217	5
E28	32.1	34	24.1	60	237	5
E30	35	34	24.1	60	242	5
E32	36.1	34	24.1	60	247	5

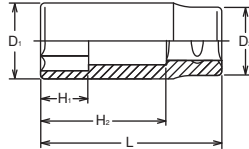
3/4" Hand Sockets



6300M • 6300A 6-point Deep Sockets Vasos Hexagonales Largos





6300M 6305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
65	86	63	65	—	100	1939	2

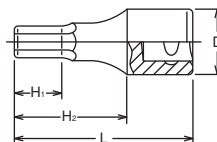
6305M • 6305A 12-point Deep Sockets Vasos Bihexagonales Largos



6300A 6305A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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
21	38	15.5	40	75	330	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



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

Hand Sockets **3/4"**

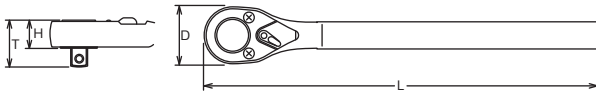
Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

6749 6749-1000 ⚠ 6749-HEAD PIPE-400 · -800

Reversible Ratchet
Llave de Carraca Reversible

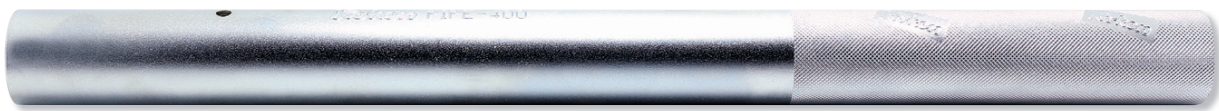


* Renewal Kits → 6749RK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
6749	68	49.6	29.6	565	2840	1
6749-1000	68	49.6	29.6	965	3960	1
6749-HEAD	68	49.6	29.6	165	1730	1
PIPE-400	-	-	-	400	1110	1
PIPE-800	-	-	-	800	2230	1

⚠ 6749-1000 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.

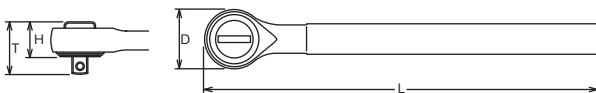


6752 6752-HEAD PIPE-400

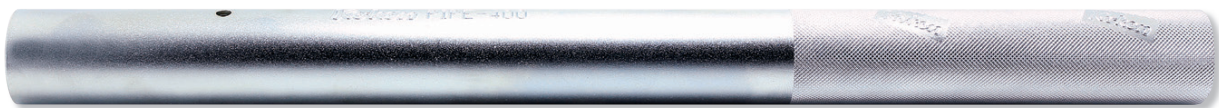
Reversible Ratchet
Llave de Carraca Reversible



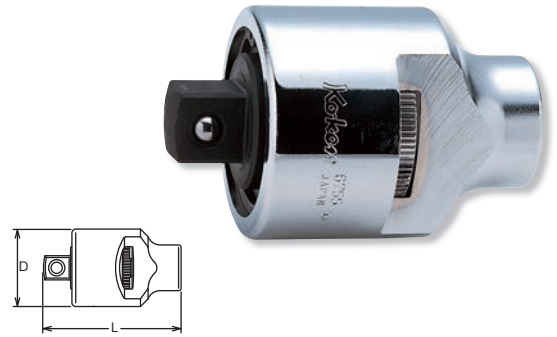
* Renewal Kits → 6752RK → P321



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
6752	67	55.5	35.5	500	2360	1
6752-HEAD	67	55.5	35.5	100	1250	1
PIPE-400	-	-	-	400	1110	1



6755 Ratchet Adaptor
Adaptador de carraca



60

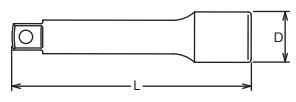
* Renewal Kits → 6755RK → P321

	D (mm)	L (mm)	(g)	(pcs.)
6755	62	97	1162	1

6760 Extension Bars
Alargaderas



6760	D (mm)	L (mm)	(g)	(pcs.)
75	35	75	335	5
100	35	100	434	2
125	35	125	528	2
150	35	150	624	2
200	35	200	815	1
300	35	300	1203	1
400	35	400	1585	1



Hand Sockets 3/4"

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
MANGOS DE MANGA

INDUSTRIAL
INDUSTRIALES

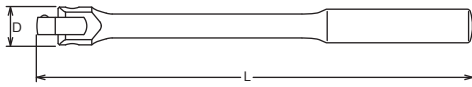
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

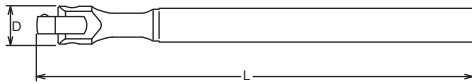
6768 Hinge Handle
Mango Articulado



* Renewal Kits → **6768RK** → P323

	D (mm)	L (mm)	(g)	(pce.)
6768	42	450	1780	1

6768-600 · -1000 Hinge Handles
Mangos Articulados ⚠
6768-HEAD
PIPE-400 · -800



* Renewal Kits → **6768RK** → P323

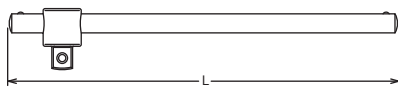
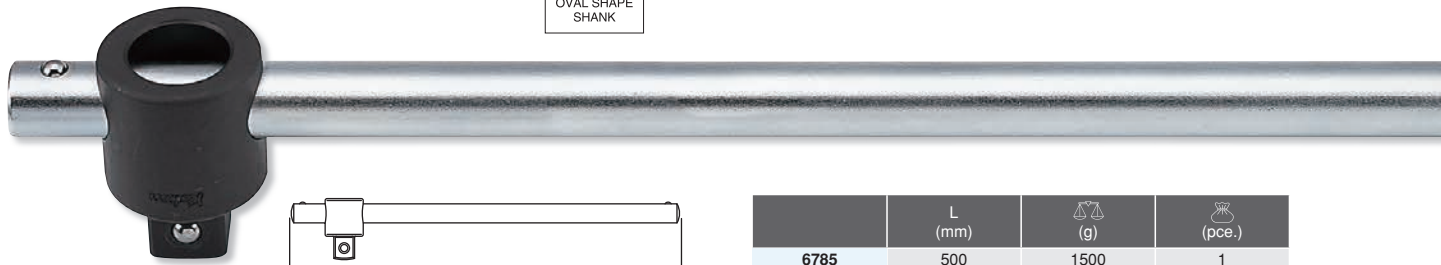
	D (mm)	L (mm)	(g)	(pce.)
6768-600	42	600	2900	1
6768-1000	42	1000	3500	1
6768-HEAD	42	200	1250	1
PIPE-400	-	400	1110	1
PIPE-800	-	800	2230	1

⚠ 6768-600/-1000 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.

6785 T-Handle
Mango Corredizo

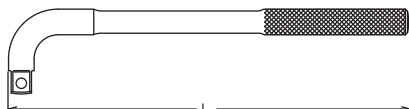
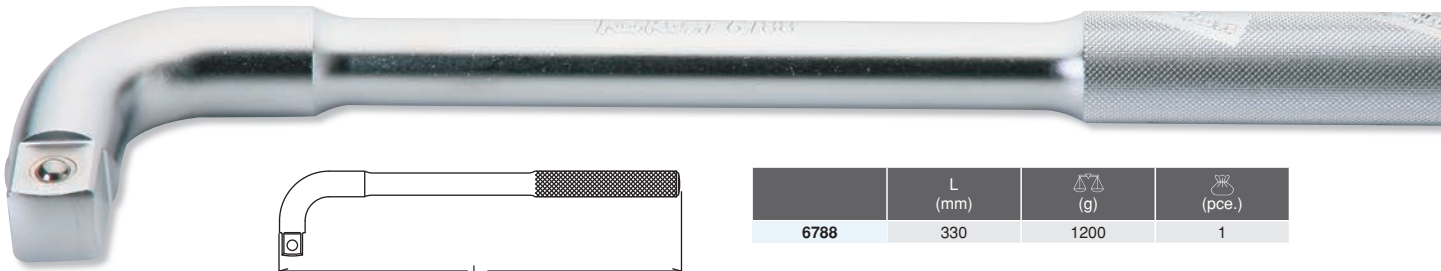


OVAL SHAPE
SHANK



	L (mm)	(g)	(pce.)
6785	500	1500	1

6788 L-Handle
Mango Acodado

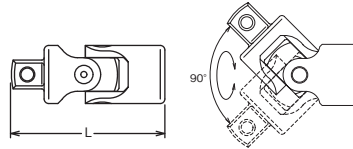


	L (mm)	(g)	(pce.)
6788	330	1200	1

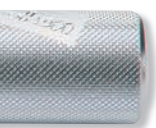
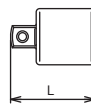
6770 Universal Joint
Articulación Universal



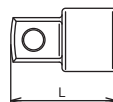
	L (mm)	(g)	(pcs.)
6770	105	500	2



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.

Z-SERIES
HAND
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INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPLUSTO

Hand Sockets **3/4"**

Z-SERIES
HAND MANUALES
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PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPLUSTO

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		
6101 Drag Link Socket	6760-200		
	6760-400		
	6770		
	6785		

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		
6101 Drag Link Socket	6785		

6268M Socket Sets Juegos de Vasos

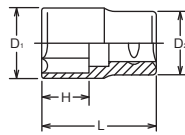


6268M		15 Pieces Set/△△=12,500g	
METAL CASE:W580×H124×T70mm			
Sockets	Accessories		
6405M 12-pt. Sockets 19, 22, 24, 27, 29, 30, 32, 36, 38, 41, 46, 50	6749		
	6760-200		
	6768		

Z-SERIES
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PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUES TO

8400M • 8400A

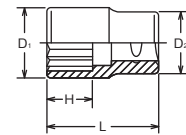
6-point Sockets
Vasos Hexagonales



8400M 8405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)
24	36.5	44	17	60	348	1
27	40.5	44	19	60	362	1
28	41.5	44	19.5	60	368	1
29	43	44	20	60	378	1
30	44	45	21	65	410	1
32	46.5	45	23	65	455	1
33	48	46	23.5	65	485	1
34	49	46	24	65	500	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
39	55.5	50	26.5	65	650	1
40	56.5	53	27	65	686	1
41	58	53	28	68	747	1
42	59	53	28.5	68	789	1
43	60.5	53	29	68	810	1
45	63	53	30	68	844	1
46	64	53	31	72	928	1
47	65.5	53	31.5	72	942	1
48	66.5	53	32	72	960	1
50	69	53	34	72	943	1
52	71.5	53	38	72	987	1
54	74	55	37	72	1016	1
55	75.5	53	42	77	1167	1
56	76.5	53	42	77	1160	1
58	79	53	41	77	1200	1
60	81.5	58	46	82	1440	1
62	84	58	46	82	1510	1
63	85.5	58	45	82	1470	1
64	86.5	58	46	82	1540	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
72	96.5	68	51	88	2250	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

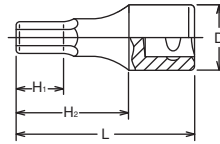
12-point Sockets
Vasos Bihexagonales



8400A 8405A (inch)	D ₁ (mm)	D ₂ (mm)	H (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)	H ₁ (mm)	H ₂ (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

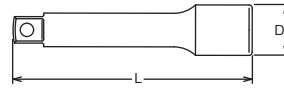
8012M-80 Inhex Sockets Vasos con Punta de Hexagonal



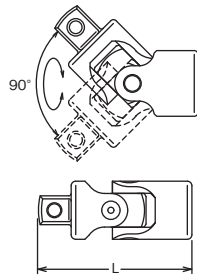
8760 Extension Bars Alargaderas



8760	D (mm)	L (mm)	(g)	(pce.)
200	44	200	1300	1
400	44	400	2570	1




8770	L (mm)	(g)	(pce.)
8770	143	1170	1



8770 Universal Joint Articulación Universal

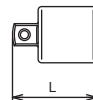


8866A	(mm)	(mm)	L (mm)	(g)	(pcs.)
8866A	1"	3/4"	60	338	5

 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.

8866A Adaptor Warranty 1850Nm Adaptador Garantía 1850Nm



Z-SERIES
HAND
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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

8749 Reversible Ratchet
Llave de Carraca Reversible

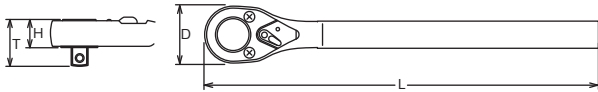
8749-1000 ⚠

8749-HEAD

PIPE-580 · -800



RATCHET HANDLE



* Renewal Kits → **8749RK** → P320

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
8749	70	62.2	36.2	800	4090	1
8749-1000	70	62.2	36.2	1020	4664	1
8749-HEAD	70	62.2	36.2	220	2490	1
PIPE-580	—	—	—	580	1610	1
PIPE-800	—	—	—	800	2230	1

⚠ 8749-1000 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.

8768 Hinge Handle
Mango Articulado

8768-1000 ⚠

8768-HEAD

PIPE-400 · -800



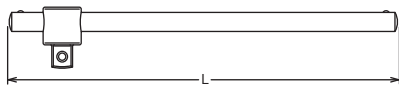
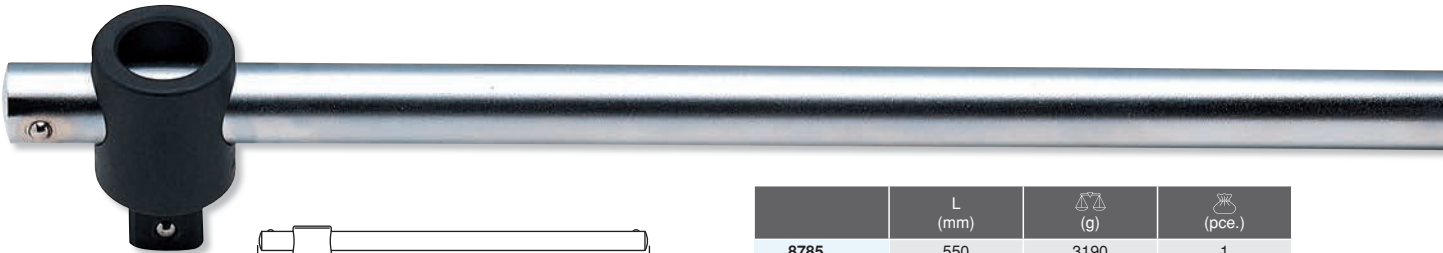
* Renewal Kits → **8768RK** → P323

	D (mm)	L (mm)	(g)	(pce.)
8768	55	600	3190	1
8768-1000	55	1000	4348	1
8768-HEAD	55	200	1480	1
PIPE-400	—	400	1110	1
PIPE-800	—	800	2230	1

⚠ 8768-1000 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.

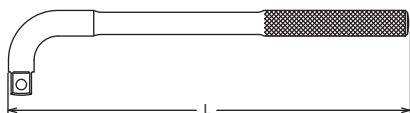
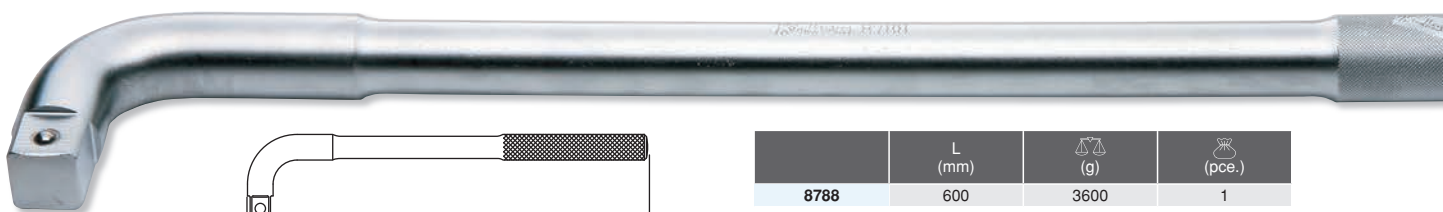
8785 T-Handle
Mango Corredizo

8785-700



	L (mm)	(g)	(pce.)
8785	550	3190	1
8785-700	700	3906	1

8788 L-Handle
Mango Acodado



	L (mm)	(g)	(pce.)
8788	600	3600	1




1" Hand Sockets






Z-SERIES	HAND MANUALES	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
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8200M • 8200A Socket Sets Juegos de Vasos






8200M		12 Pieces Set/△=18,600g	
METAL CASE:W600×H150×T110mm			
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:W600×H150×T110mm			
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:W620×H217×T97mm			
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.

Titanium Sockets



Z-SERIES
HAND MANUALES
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IMPACT DE IMPACTO
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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.

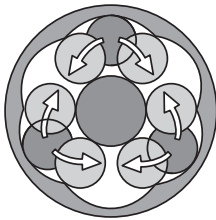
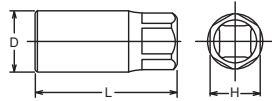


Accessories



Z-SERIES
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RENEWAL KITS
JUEGOS DE PIEZAS/REPUÉS

4100M • 4100A Stud Pullers
Extractores de Tornillos



Stud Pullers
Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.

Extractores de 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** → P323

⚠ 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 Stud Pullers Sets
Juegos de Extractores de 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 Stud Pullers Set
Juegos de Extractores de 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 → P323



 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)

Tolerance/Tolerancia

6100M (mm)	Tolerance
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=C41, Pin/O-Ring=A41/B41

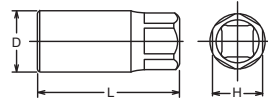
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

Tolerance/Tolerancia

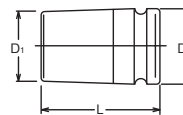
14100M (mm)	14100A (inch)
6	5.6- 6
7	6.6- 7
8	7.6- 8
9	8.4- 9
10	9.4-10
12	11.4-12

6100M Stud Pullers Extractores de Espárragos



14100M • 14100A

Impact Stud Pullers Extractores de Espárragos de Impacto



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JUEGOS DE PIEZAS REPUESTO

Stud Puller & Setter

Z-SERIES
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AUTOMOTIVE
RENEWAL KITS CONSTRUCTION JUEGOS DE PIEZAS REPUESTO CONSTRUCCION

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

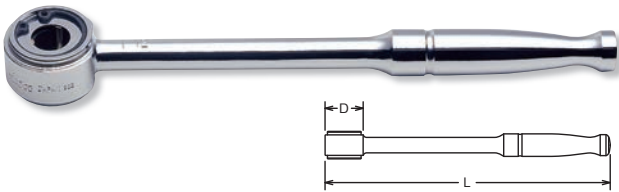


141S (inch)	D (mm)	L (mm)	(g)	(pce.)
5/16	28	120	150	1
3/8	32	120	153	1
1/2	32	120	152	1

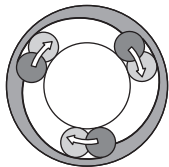
141 (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	205	215	1
8	28	205	215	1
10	32	205	234	1
12	32	205	233	1

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 Stud Puller Extractor de Espárragos



4104	1/2	Tolerance		D (mm)	L (mm)	(g)	(pcs.)
		min	max				
		φ 6	φ 19	54	56	489	2

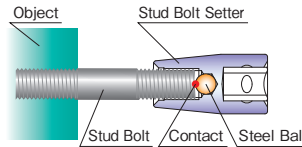
4103M (mm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
6(1.0)	1/2"	10.3	22	9	37	54	10
7(1.0)		11.5	22	10	37	58	10
8(1.25)		13.2	22	11	37	60	10
10(1.25)		15.3	23	13	44	86	10
10(1.5)		15.3	23	13	44	86	10
12(1.25)		17.8	23	14	44	86	10
12(1.75)		17.8	23	14	44	86	10

4103A (inch)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 1/4(28)	1/2"	10.7	22	9	37	55	10
New 5/16(18)		13.2	22	11	37	61	10
New 5/16(24)		13.2	22	11	37	61	10
New 3/8(16)		14.6	22.9	12	44	84	10
New 7/16(14)		16.5	22.9	14	44	85	10
New 1/2(13)		19	22.9	14	44	88	10

⚠ Depend on the stud bolt and using torque, 4103M/4103A/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

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)	H (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=C31, Pin/O-Ring=A31/B31 → P268-269

⚠ Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

14103M (mm)	□	D ₁ (mm)	D ₂ (mm)	H (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

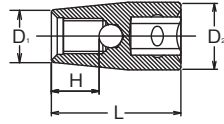
*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

⚠ Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.



4103M · 4103A

○ Stud Bolt Setters
Vasos para apretar pernos ⚠



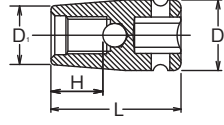
4203M
4203MF

○ Stud Bolt Setters Set
Juego de Vasos para apretar Pernos



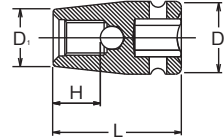
13103M

○ Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto ⚠



14103M

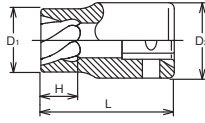
○ Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto ⚠






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JUEGOS DE HEADS/REPLUSTO

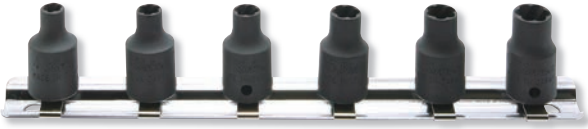
Z-SERIES
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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

2127  NUTTWISTER® AFLOJA TUERCAS



2127 (mm)		D ₁ (mm)	D ₂ (mm)	H (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



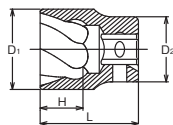
RS2127/6	6 Pieces Set/Rail 150mm	 (g)
4, 4.5, 5, 5.5, 6, 7		105




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)	H (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	

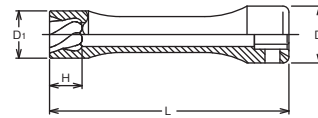
RS3127/8   Socket Set on Rail Juego de Vasos en Regleta



RS3127/8	8 Pieces Set/Rail 200mm	 (g)
8, 9, 10, 11, 12, 13, 14, 16		420

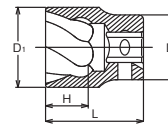
3128.80 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	11.5	19	6	80	58	10
9		13	19	6	80	61	10
10		14.8	19	8	80	66	10
11		16	19	8	80	70	10
12		17	19	10	80	77	10
13		18.5	19	10	80	80	10
14		19.7	19	12	80	82	10

3128-80 NUTTWISTER® (Long type)
AFLOJA TUERCAS (Serie Larga)



4127 (mm)		D ₁ (mm)	D ₂ (mm)	H (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

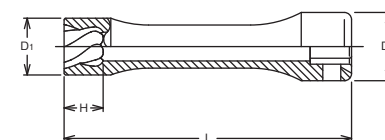


RS4127/6	6 Pieces Set/Rail 200mm	(g)
17, 19, 21, 22, 24, 25.4		960

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)	H (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.

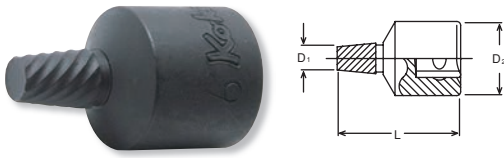
Un método muy efectivo y una fácil solución para aflojar tuercas, pernos y espárragos redondeados por desgaste. Las afiladas aristas de la boca del vaso AFLOJA TUERCAS NUTTWISTER®, aprietan contra la tuerca, perno o espárrago, haciéndolo girar fácilmente.



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PROTECTORES
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CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REUESTO

Z-SERIES
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AUTOMOTIVE
RENEWAL KITS CONSTRUCCION
JUEGOS DE PIEZAS/REPUSTO CONSTRUCCION

3129-32 BOLTTWISTER® AFLOJA PERNOS



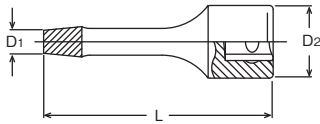
3129.32 (mm)	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	32	32	10
3		3	19	32	33	10
4		4	19	32	33	10
6		6	19	32	35	10
8		8	19	32	37	10
10		10	19	32	40	10

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

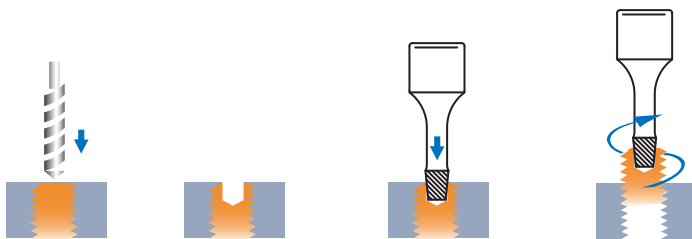


3129.60 (mm)	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	60	38	10
3		3	19	60	42	10
4		4	19	60	44	10
6		6	19	60	47	10
8		8	19	60	53	10
10		10	19	60	64	10

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

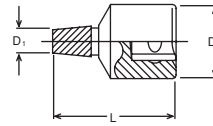
4129.37 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	 (g)	 (pcs.)
8		8	24	37	59	10
10		10	24	37	63	10
12		12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10

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

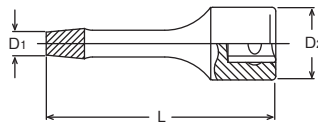
4129-37 BOLTTWISTER® AFLOJA PERNOS



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

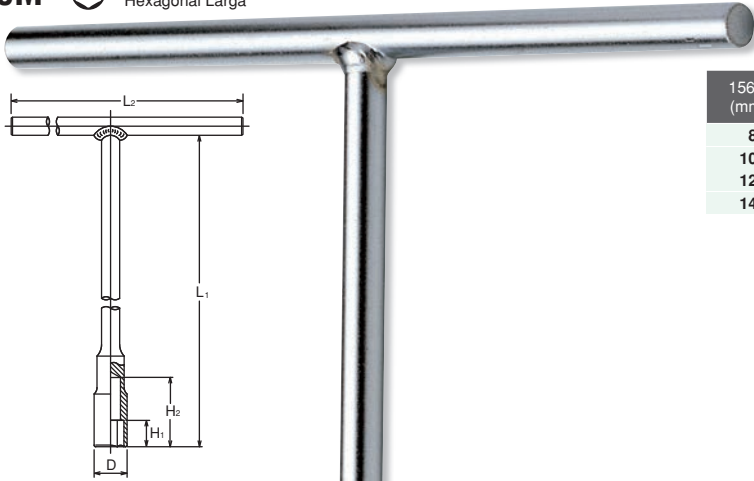


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T-Type Wrench

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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

156M 6-point Deep Hexagonal Larga




156M (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
8	12	9	41	355	200	231	1
10	14.5	11	41	355	200	289	1
12	16.8	13	41	355	200	429	1
14	20	16	41	355	200	454	1

104M • 104A 6-point Hexagonal



104M (mm)	D (mm)	H (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

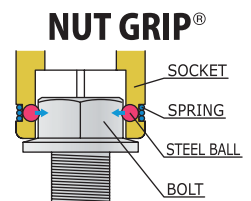
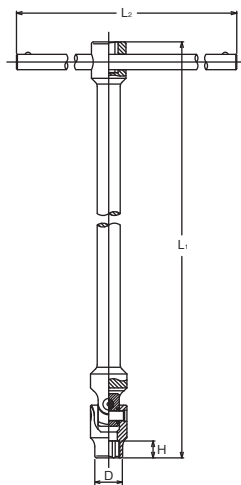
104A (inch)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
1/4	9.5	8	200	180	150	1
5/16	12	10	250	200	183	1
3/8	14	12	250	200	188	1
7/16	16	14	250	200	234	1
1/2	18.5	17	300	250	412	1
9/16	20	18	300	250	428	1
5/8	22.5	21	350	300	528	1
3/4	26.5	25	350	300	717	1

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)	H (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)	H (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.

Z-SERIES
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SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

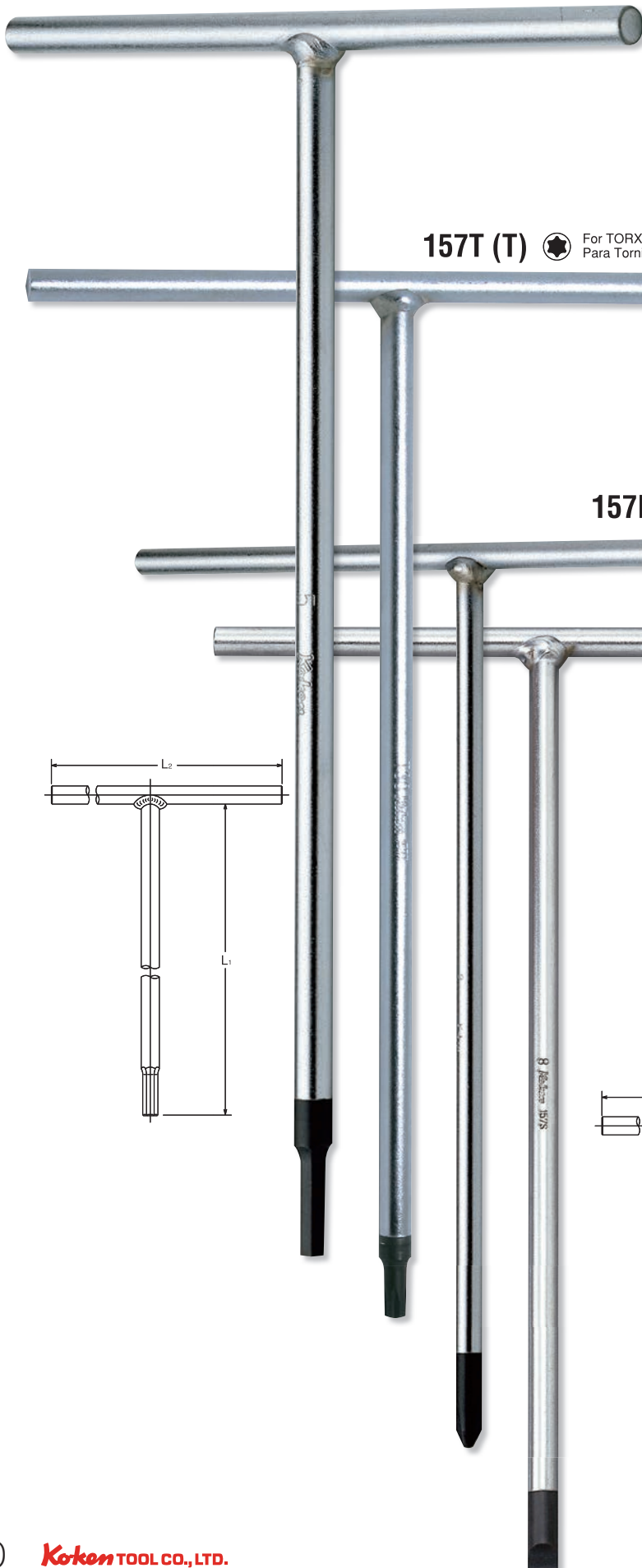
T-Type Wrench

Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
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CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

157H



For Inhex Screws
Para Tornillos de Seis Lados en el Interior (Inhex)

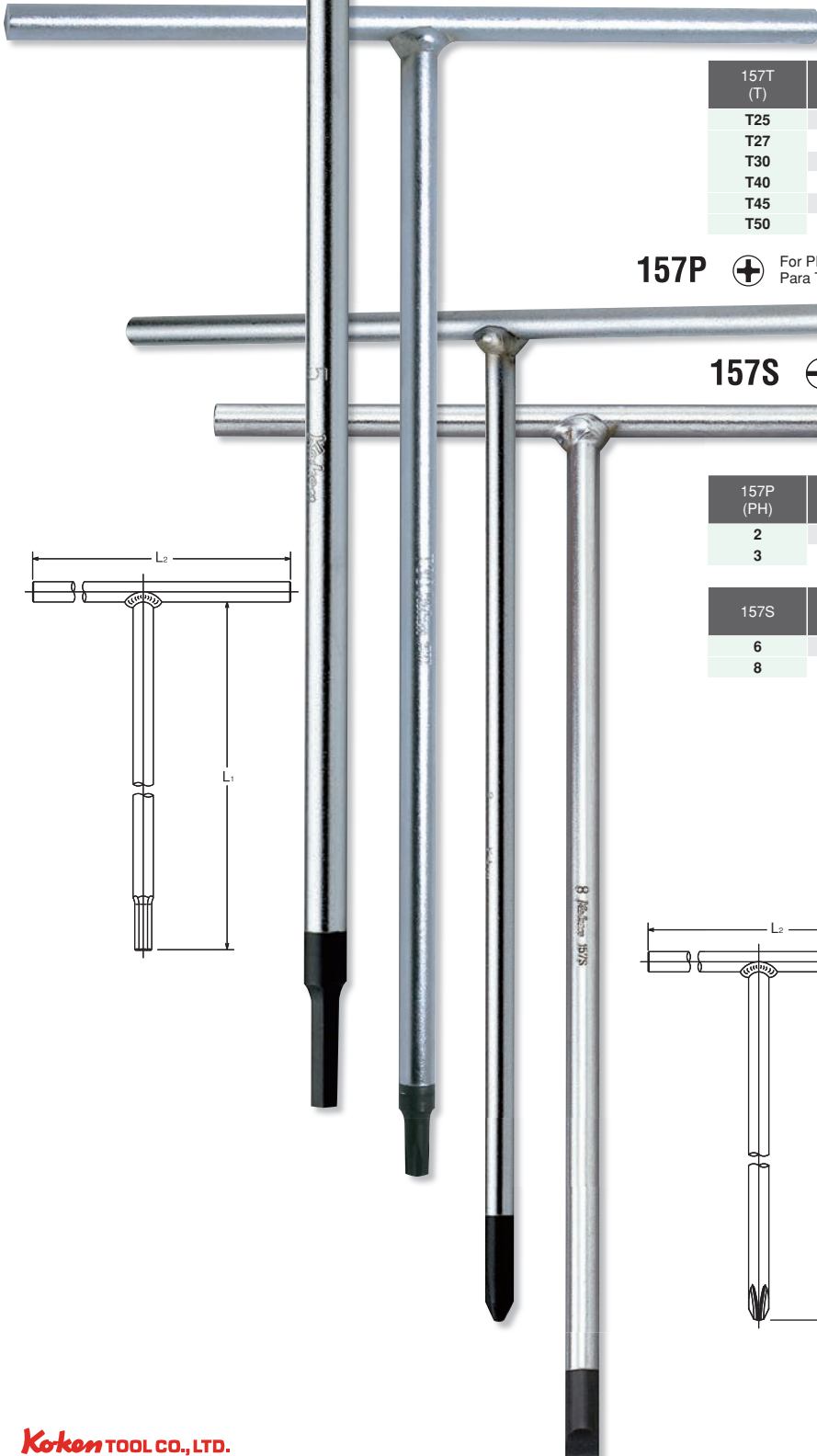


157H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
3	160	100	57	1
4	200	120	70	1
5	250	160	90	1
6	300	190	147	1
7	300	190	193	1
8	300	190	245	1
10	300	190	433	1
12	320	210	662	1
14	340	220	879	1
17	340	220	1369	1

157T (T)



For TORX® Screws
Para Tornillos TORX®

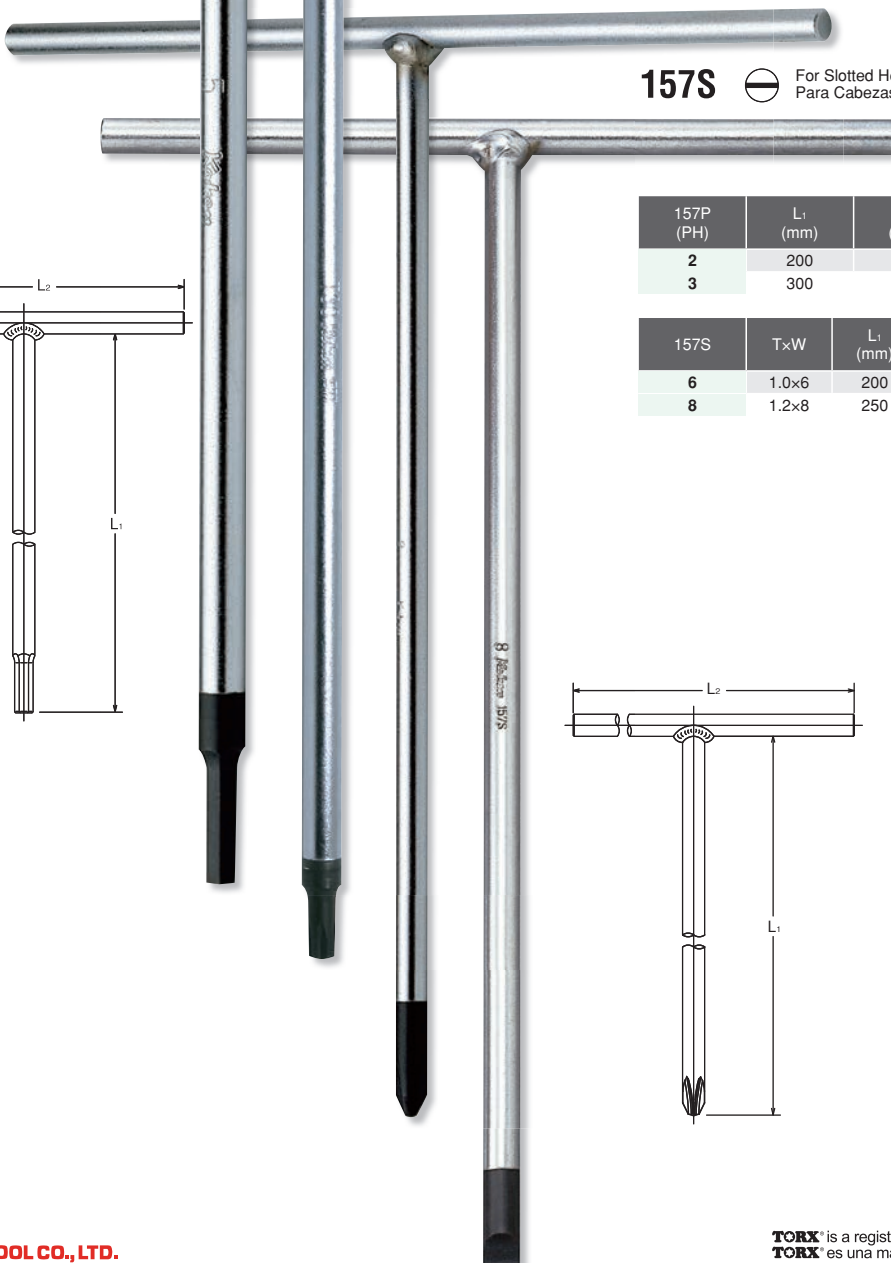


157T (T)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
T25	250	180	95	1
T27	250	180	96	1
T30	250	180	167	1
T40	250	180	168	1
T45	250	180	213	1
T50	250	180	215	1

157P



For PH Screws
Para Tornillos PH



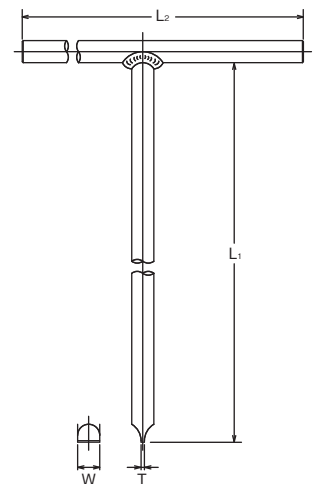
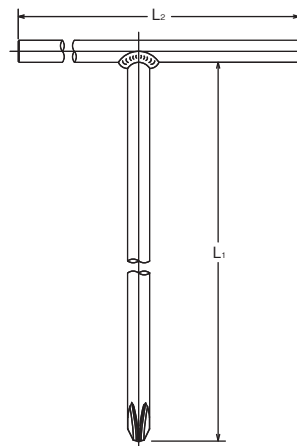
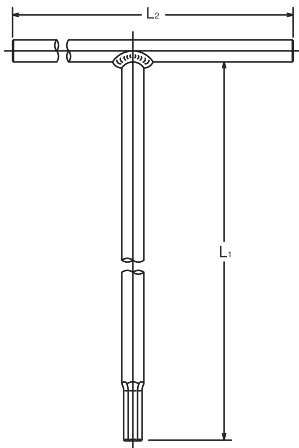
157P (PH)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
2	200	180	84	1
3	300	180	189	1

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



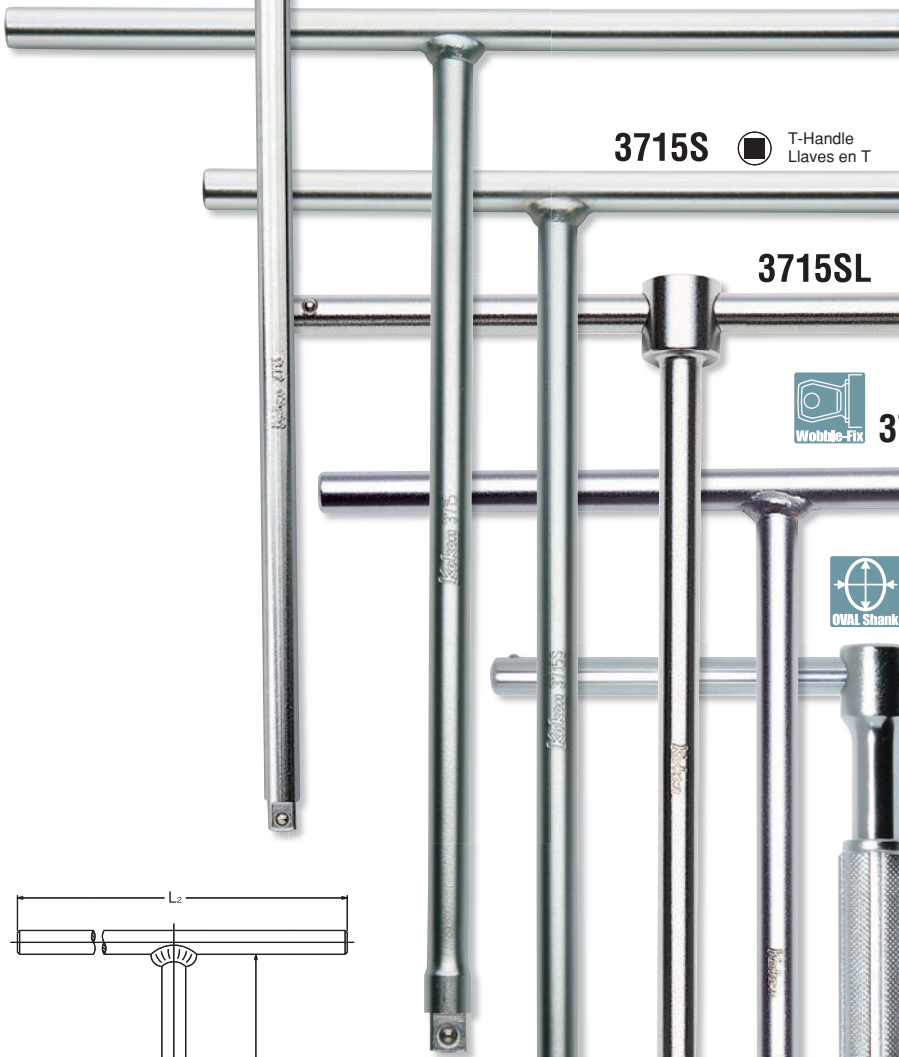
For Slotted Heads
Para Cabezas Ranuradas



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 



WOBBLE-FIX
EXTENSION BAR



3715SLK  T-Handle
Llaves en T



OVAL SHAPE
SHANK

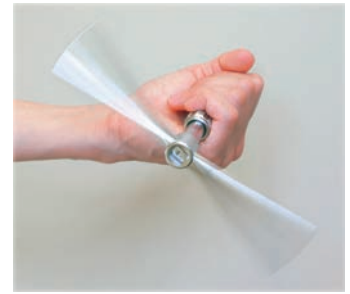
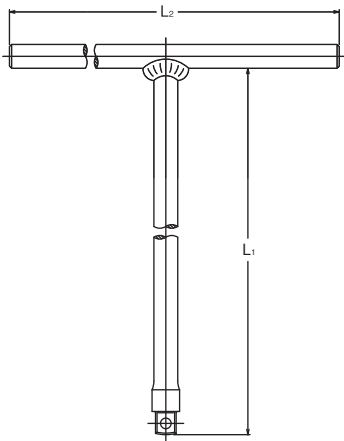







Photo: 3715SLK



		L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
2715		200	120	130	1

		L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
3715		268	240	386	1
3715S		268	190	347	1
3715SL		237	200	325	1
3715SLK		236	200	470	1
3716		268	240	379	1

 **3716**
This tool is used sockets in hard to reach places. 3716 has a reduced square drive and similar function as offset extension bars.

Z-SERIES
HAND
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PROTECTOR
PROTECTORES
AUTOMOTIVE
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JUEGOS DE HERRAMIENTAS

T-Type Wrench

Z-SERIES
HAND MANUALES
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INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

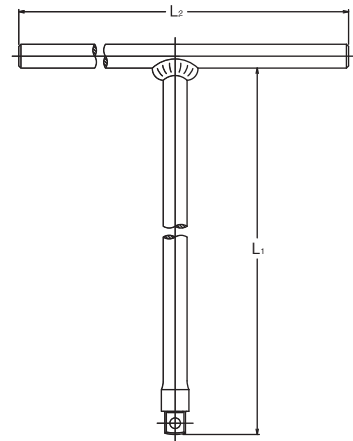
4715  T-Handle
Llaves en T







4715S  T-Handle
Llaves en T

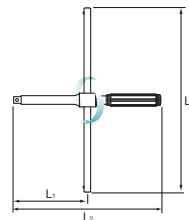
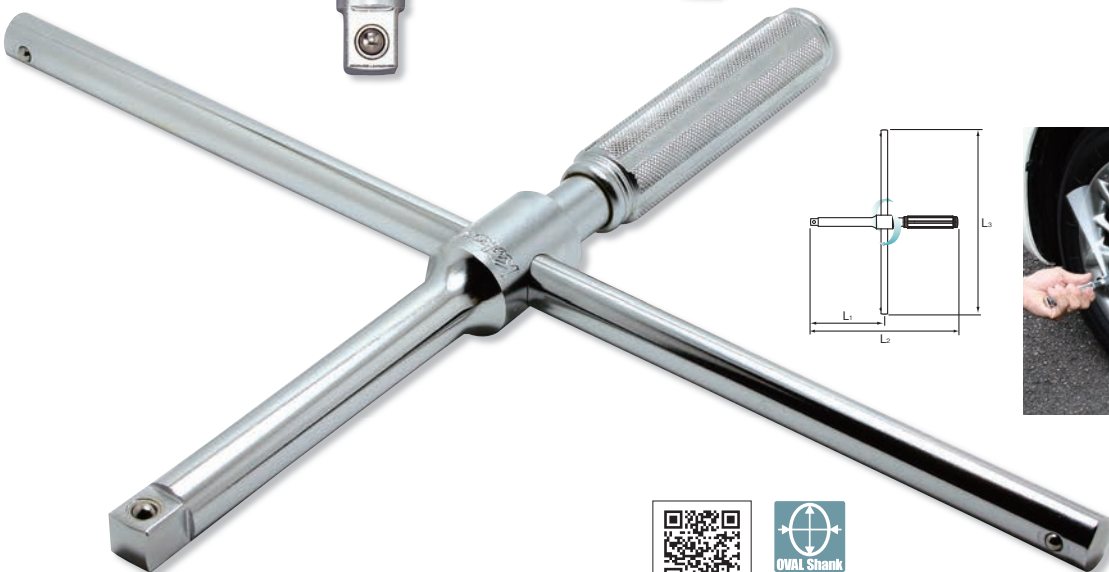


4715SL  T-Handle
Llaves en T







		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




FREE-TURN
CROSS WRENCH



		L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	 (g)	 (pce.)
4711X		140	280	350	945	1

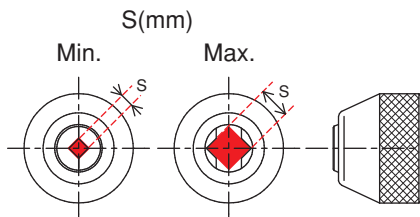
3131E		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
□2.1× ø2.8	3/8"	6.8	18	40	45	10
□2.7× ø3.5		8	18	40	46	10
□3.4× ø4.5		9.5	18	40	47	10
□4.9× ø6		11.5	18	40	48	10
□5.5× ø7		12.5	18	40	49	10
□7 × ø9		15	18	40	48	10
□9 × ø11		17	18	40	48	10
□9 × ø12		18	18	40	48	10

For DIN352, DIN351, DIN2181, DIN5157 tap

3264		10 Pieces Set/△=1.050g	
METAL CASE:W240×H100×T32mm			
Sockets		Accessories	
□	3131E		160K
	□2.1×ø2.8, □2.7×ø3.5,		3760-125
	□3.4×ø4.5, □4.9×ø6,		
	□5.5×ø7, □7×ø9,		
	□9×ø11, □9×ø12,		

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

4131A		S(mm)		L (mm)	(g)	(pcs.)
		Min.	Max.			
3	1/2"	5.5	12	69	400	2



Tap is not included.

		C (mm)	L (mm)	(g)	(pcs.)
160K	3/8"	10	220	130	1
160K-1/2	1/2"	10	220	135	1

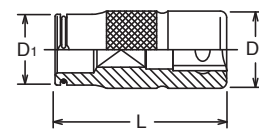
		D (mm)	H ₁ (mm)	H ₂ (mm)	d (mm)	A (mm)	L (mm)	(g)	(pcs.)
3132-20	3/8"	28	7	17	8	45	60	130	5
4132-25	1/2"	34	9	22	14	40	60	170	2
4132-38		48	13	24	18	60	80	315	2
4132-50		60	16	27	30	85	105	740	2



Die is not included.



3131E Tap Holder Adaptadores para machos de terrajas

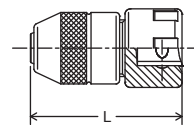


3264 Tap Holder, Set Juego de adaptadores para machos de terrajas

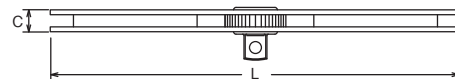


3131A Tap Holder, Adjustable Adaptadores para machos de terrajas

4131A

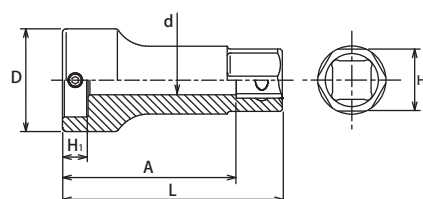


160K Handle Llave



3132 Die Holders Adaptadores

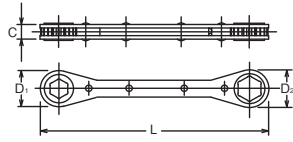
4132



Ratcheting Ring Wrench

Z-SERIES
HAND MANUALES
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

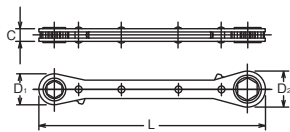
102NM • 102NA Without Reverse Lever Sin palanca de inversión



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
11x13	145	23.6	24.6	9	112	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.)
7/32x 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	5

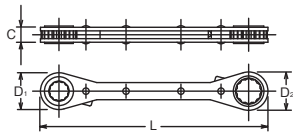
102KM • 102KA Reversible Reversible



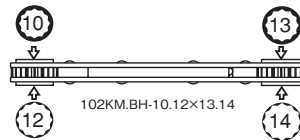
102KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
6x7	108	15.3	16.4	7.2	51	10
7x8	108	15.3	16.4	7.2	51	10
8x9	134	17	20	9.1	76	10
8x10	134	17	20	9.1	76	10
10x11	141	21	23.5	9.1	84	10
10x12	141	21	23.5	9.1	84	10
12x13	146	24	25	9.1	89	10
12x14	146	24	25	9.1	89	5
13x17	200	27.1	31.8	11.5	190	5
14x17	200	27.1	31.8	11.5	200	5

102KA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
7/32x 1/4	108	15.3	16.4	7.2	51	10
1/4 x 5/16	108	15.3	16.4	7.2	51	10
5/16x11/32	134	17	20	9	76	10
3/8 x 7/16	141	21	23.5	9.1	84	10
1/2 x 9/16	146	24	25	9.1	89	5

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	10
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
5/16x 3/8	134	17	20	9	76	5
3/8 x 7/16	140	21	23.5	9	84	5
7/16x 1/2	145	24	25	9	89	5
1/2 x 9/16	145	24	25	9	89	5

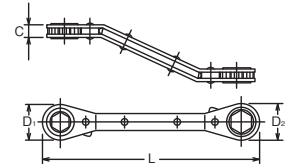
103KA.BH (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
1/4x5/16	108	15.3	16.4	7.5	51	5
3/8x7/16	140	21	23.5	9	84	5
1/2x9/16	145	24	25	9	89	5

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

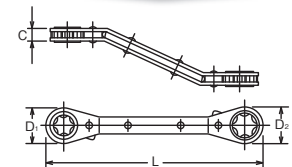
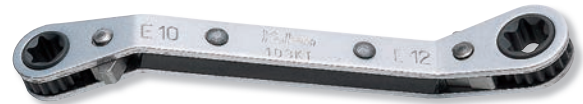
103KM · 103KA 103KA.BH

- Reversible
- Reversible
- Reversible(12P)
- Reversible(12P)



103KT

- Reversible TORX®
- Reversible TORX®



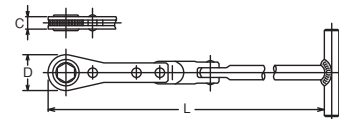
R810

- 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

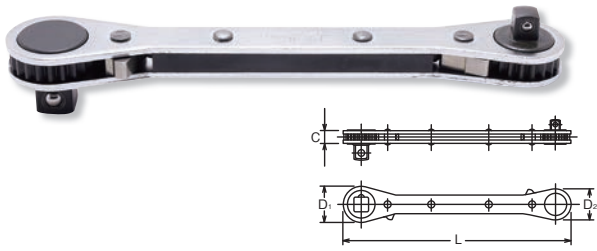
- Push and Pull-Ratchets
- Llaves de Carraca de Empuje y Tracción

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

Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
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INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
RENEWAL KITS CONSTRUCCION
JUEGOS DE PIEZAS REPUESTO CONSTRUCCION

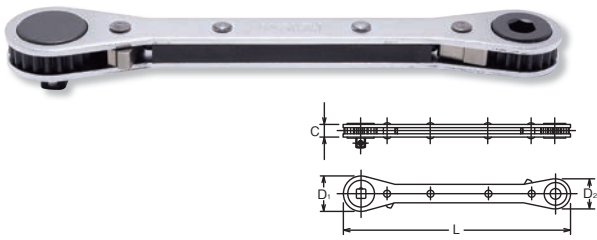
137  For 1/4" and 3/8" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4" y 3/8"



	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"

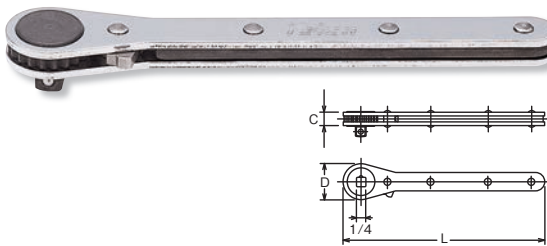
138   For Bits 101
Para Puntas 101



	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"

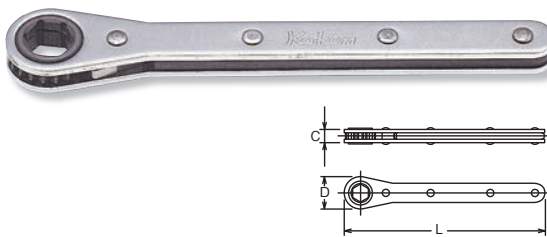
139  For 1/4" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4"



	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




145KM-10H+150.10H-8 2753N+2400M-8

150-10H  Sockets with 10mm 6-point Drive End
Vasos con Conductor Hexagonal 10mm



150.10H (mm)	D (mm)	H (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
12	17.4	9	19.5	14	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  =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 PH Bits 1, 2, 3	102NA-1/4x5/16		
101S Slotted Bit 1x7			

R810B		10 Pieces Set/📦=268g	
METAL CASE:W130xH65xT20mm			
Bits	Accessory		
101P PH Bits 1, 2, 3	102NA-1/4x5/16		
101S Slotted Bit 1x7			
128H Hex Bits 3, 4, 5, 6, 8			

R810C		12 Pieces Set/📦=227g	
METAL CASE:W130xH65xT20mm			
Bits, Sockets	Accessories		
101P PH Bits 1, 2, 3	102NA-1/4x5/16		
101S Slotted Bit 1x7	101A		
2400M Sockets 5, 6, 7, 8, 9, 10			

R810D		17 Pieces Set/📦=336g	
METAL CASE:W130xH65xT20mm			
Bits, Sockets	Accessories		
101P PH Bits 1, 2, 3	102NA-1/4x5/16		
101S Slotted Bit 1x7	101A		
128H Hex Bits 3, 4, 5, 6, 8			
2400M Sockets 5, 6, 7, 8, 9, 10			

R810E		9 Pieces Set/📦=445g	
METAL CASE:W130xH65xT20mm			
Sockets	Accessories		
2300M Deep Sockets 6, 7, 8, 9, 10, 11, 12	102NA-1/4x5/16		
	101A		



R810A Bit Set
Juego de Puntas



R810B Bit Set
Juego de Puntas



R810C Bit and Socket Set
Juego de Puntas y Vasos



R810D Bit and Socket Set
Juego de Puntas y Vasos



R810E Socket Set
Juego de Vasos



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DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPOSTO

Ratcheting Ring Wrench

Z-SERIES

HAND
MANUALES

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ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

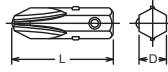
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

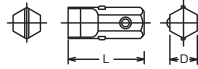
RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

101P PH Bits Puntas PH



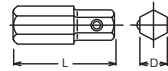
101P (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10

101S Bits for Slotted Head Puntas Rectas/Planas



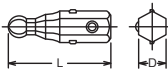
101S	D (mm)	L (mm)	(g)	(pcs.)
1.0x7	6.35	15	3	10
1.2x7	6.35	15	3	10

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

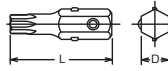
101B Ball point Hex Bits Puntas Hexagonales con bola



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

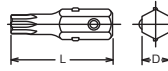
 Ball point bits have less strength due to the special design. Make sure to use them correctly.

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

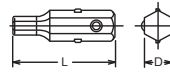
 Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

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

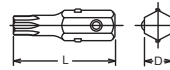
128T (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10

101A	D (mm)	S (mm)	L (mm)	(g)	(pcs.)
	8	6.35	20	8	10

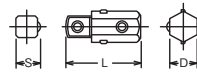
128H Hex Bits Puntas Hexagonales

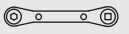


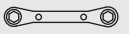



128T TORX® Bits Puntas TORX®



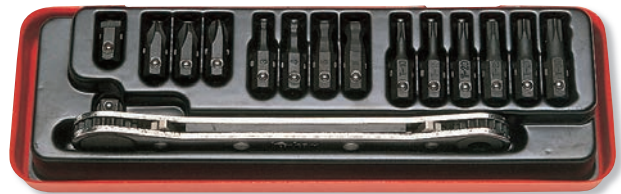
101A Adaptor Adaptador



1202		15 Pieces Set/ 420g	
METAL CASE: W190xH60xT30mm			
Bits	Accessory		
<ul style="list-style-type: none"> 101P PH 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 PH Bits 1, 2, 3 101S Slotted Bits 1x7, 1.2x7 101H Hex Bits 3, 4, 5 	<ul style="list-style-type: none">  102NA-1/4x5/16  2769F  101A  2137 		

1202 Bit Set Juego de Puntas



2254M Bit Set Juego de Puntas



ATTACK DRIVER®

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PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
JUEGOS DE PIEZAS/REPUESTO
CONSTRUCCIÓN

3112N Attack Driver
Destornillador de Impacto



	□	L (mm)	(g)	(pce.)
3112N	3/8"	159	730	1
3112G		159	810	1

* 3112N Renewal Kits → 3112RK → P321

3112G Attack Driver
Destornillador de Impacto



	□	L (mm)	(g)	(pce.)
4112N	1/2"	163	730	1
4112G		163	810	1

* 4112N Renewal Kits → 4112RK → P321

4112N Attack Driver
Destornillador de Impacto



	□	L (mm)	(g)	(pce.)
6112	3/4"	190	1900	1

* Renewal Kits → 6112RK → P321

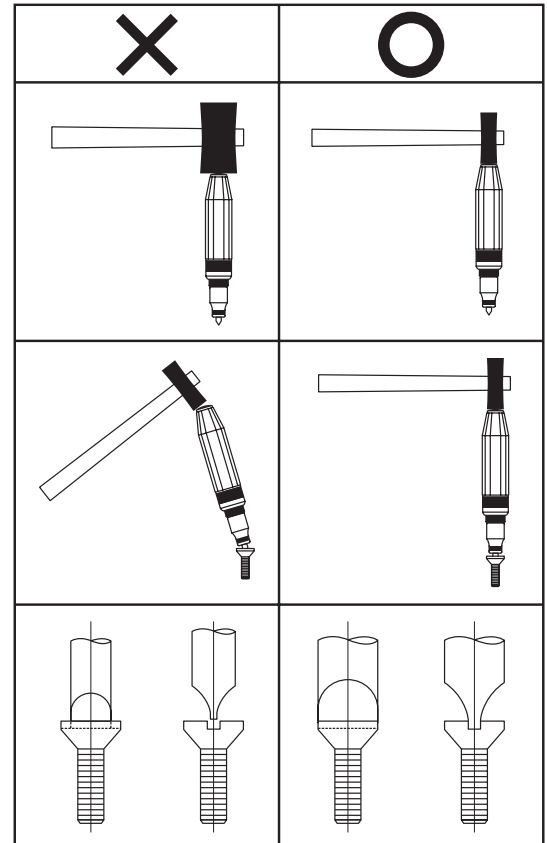


Black finished head prevents peeling off the chrome plate by striking the head.

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 PH Bits 2, 3	3112N
100S.32 Slotted Bits 9, 11	3138

AN112A 6 Pieces Set/△=1,070g
METAL CASE:W190xH59xT45mm

Bits	Accessories
100P.32 PH Bits 2, 3	4112N
100S.32 Slotted Bits 9, 11	4138

100P, S Bits →P174

AG318A 6 Pieces Set/△=1,150g
METAL CASE:W220xH82xT60mm

Bits	Accessories
100P.32 PH Bits 2, 3	3112G
100S.32 Slotted Bits 9, 11	3138

AG112A 6 Pieces Set/△=1,150g
METAL CASE:W220xH82xT60mm

Bits	Accessories
100P.32 PH Bits 2, 3	4112G
100S.32 Slotted Bits 9, 11	4138

100P, S Bits →P174

AN112C 8 Pieces Set/△=1,350g
METAL CASE:W220xH82xT60mm

Bits	Accessories
100P.80 PH Bits 1, 2, 3	4112N
100S.80 Slotted Bits 7, 9, 12	4138

100P, S Bits →P174

AG112F 25 Pieces Set/△=1,530g
METAL CASE:W220xH82xT60mm

Bits	Accessories
100P.32 PH 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	

100P, S, H, T, X Bits →P174-175

AG112H 18 Pieces Set/△=1,480g
METAL CASE:W220xH82xT60mm

Bits	Accessories
100P.32 PH 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	

100P, S, H, T Bits →P174

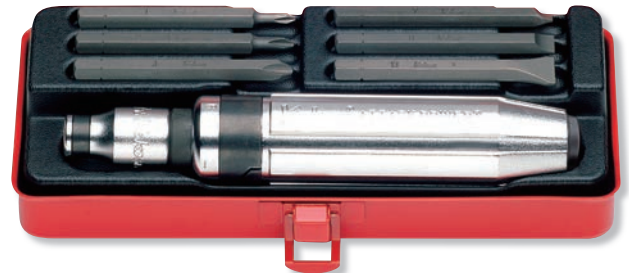
AN318A Attack Driver Set
Juego de Destornilladores de Impacto
AN112A



AG318A Attack Driver Set
Juego de Destornilladores de Impacto
AG112A



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

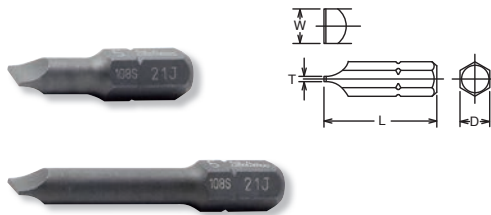


Z-SERIES
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CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

108P-25 · -32 · -50 PH Bits Puntas PH



108S-25 · -39 Bits for Slotted head Puntas Rectas/Planas



108H-25 Hex Bits Puntas Hexagonales




108T-25 (T) TORX® Bits Puntas TORX®





108T-25 (TH) Tamper-Resistant TORX® Bits Punta TORX®, indeformable







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



108A Adaptor Adaptador







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	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 (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

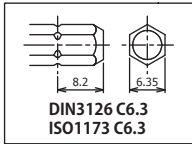
108H.25 (inch)	D (mm)	L (mm)	 (g)	 (pcs.)
1/8	6.35	25	4	10
9/64	6.35	25	5	10
5/32	6.35	25	5	10
3/16	6.35	25	5	10
7/32	6.35	25	6	10
1/4	6.35	25	7	10

108T.25 (T)	D (mm)	L (mm)	 (g)	 (pcs.)
T 8	6.35	25	4	10
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

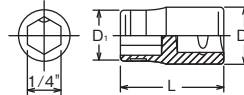
108T.25 (TH)	D (mm)	L (mm)	 (g)	 (pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	6	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10
T40H	6.35	25	6	10

108A.25	S	D (mm)	L (mm)	 (g)	 (pcs.)
1/4B	1/4"	6.35	25	10	10

	□	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

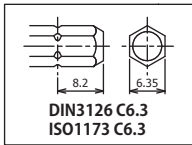


- 2137 ○ Bit Holder
Porta-punta
- 3137 ○
- 4137 ○

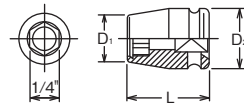


	□	D ₁ (mm)	D ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)	⚙
12139-1/4	1/4"	11	13	25	15	10	*1
13139-1/4	3/8"	11	19	30	32	10	*2
14139-1/4	1/2"	11	25	35	62	10	*3

*1 Pin/O-Ring=A21/B21
 *2 C-Ring=C31, Pin/O-Ring=A31/B31
 *3 C-Ring=C41, Pin/O-Ring=A41/B41 [P268-269](#)



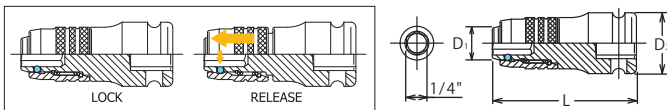
- 12139 ○ Impact Bit Holder
Porta-punta de Impacto
- 13139 ○
- 14139 ○



	□	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=C31, Pin/O-Ring=A31/B31
 *2 C-Ring=C41, Pin/O-Ring=A41/B41 [P268-269](#)

Lock & Quick Release

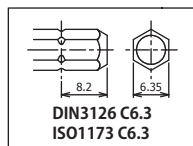


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

- 13142-D6.3 ○ Impact Bit Holder for 1/4" (6.3) Bits
Porta-punta de Impacto para Puntas 1/4" (6.3) ⚠
- 14142-D6.3 ○



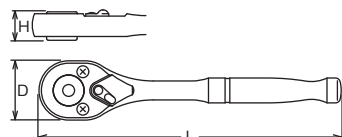
	D (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)
2749P-1/4HF	25	12	125	96	1
2774P-1/4HF	25	12	165	133	1



- 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"



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INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPLUESTO

Z-SERIES
HAND MANUALES
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

100P-32 · -80 · -125 PH Bits Puntas PH



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

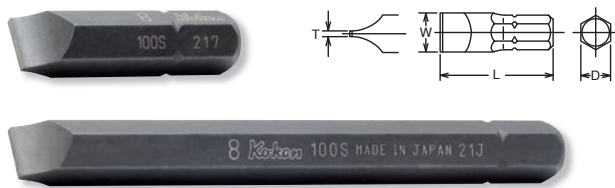
100P.125 (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	8	125	48	10
3	8	125	49	10

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 x W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 x 6	8	32	10	10
7	1 x 7	8	32	11	10
8	1.2x 8	8	32	12	10
9	1.6x 9	8	32	12	10
10	1.6x10	8	32	13	10
11	1.6x11	8	32	15	10
12	2 x12	8	32	18	10
14	2 x14	8	32	21	10

100S.80	T x W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 x 6	8	80	29	10
7	1 x 7	8	80	30	10
8	1.2x 8	8	80	31	10
9	1.6x 9	8	80	32	10
10	1.6x10	8	80	33	10
11	1.6x11	8	80	33	10
12	2 x12	8	80	34	10
14	2 x14	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
9	8	32	16	10
10	8	32	16	10
11	8	32	20	10
12	8	32	23	10
14	8	32	29	10

100T-32 (T) TORX® Bits Puntas TORX®



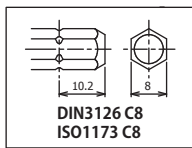
100T.32 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

100T-32 (TH)	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.

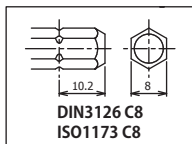
100X-32 (XZN)	D (mm)	L (mm)	(g)	(pcs.)
M 5	8	32	10	10
M 6	8	32	11	10
M 8	8	32	12	10
M10	8	32	16	10
M12	8	32	19	10

	□	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

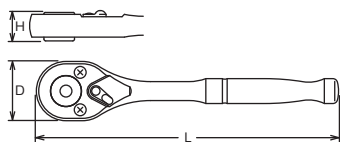
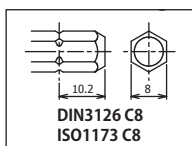


	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⊖
12140-5/16	1/4"	14	13	25	15	10	*1
13140-5/16	3/8"	14	19	30	32	10	*2
14140-5/16	1/2"	14	25	35	62	10	*3

*1 Pin/O-Ring=A21/B21
*2 C-Ring=C31, Pin/O-Ring=A31/B31
*3 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

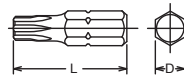


	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749P-5/16HF	25	14	125	96	1
2774P-5/16HF	25	14	165	133	1



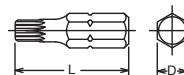
100T-32 (TH)

⊖ Tamper-Resistant TORX® Bits
Punta TORX®, indeformable **⚠**



100X-32 (XZN)

⊖ XZN Bits
Puntas XZN



2138

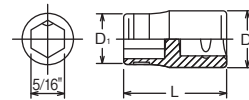
⊖ Bit Holder
Porta-punta

3138

⊖

4138

⊖



12140

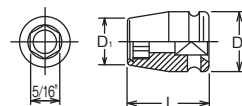
⊖ Impact Bit Holder
Porta-punta de impacto

13140

⊖

14140

⊖



2749P-5/16HF

⊖ Reversible Ratchet, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"

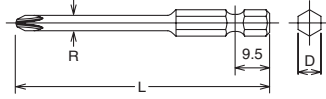


2774P-5/16HF

⊖ Flexible Ratchet, reversible, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"

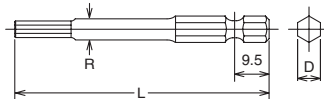


121P-50 · -70 · -100 · -150  PH Bits
Puntas PH



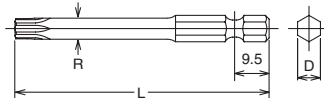
121P.50 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	-	50	13	10

121H-50 · -70 · -100 · -150  Hex Bits
Puntas Hexagonales



121H.50 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	50	11	10
2.5	6.35	3	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

121T-50 · -70 · -100 · -150 (T)  TORX® Bits
Puntas TORX®



121T.50 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3	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

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.70 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	70	13	10
2.5	6.35	3	70	15	10
3	6.35	3.5	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.)
2	6.35	3	100	22	10
2.5	6.35	3	100	23	10
3	6.35	3.5	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.)
2	6.35	3.5	150	35	10
2.5	6.35	3.5	150	35	10
3	6.35	3.5	150	37	10
4	6.35	4.5	150	37	10
5	6.35	5.6	150	38	10
6	6.35	-	150	39	10

121T.70 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
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.)
T10	6.35	3.5	100	24	10
T15	6.35	3.5	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.)
T10	6.35	3.5	150	35	10
T15	6.35	3.5	150	37	10
T20	6.35	4.1	150	37	10
T25	6.35	4.6	150	37	10
T27	6.35	5.2	150	37	10
T30	6.35	5.7	150	38	10
T40	6.35	-	150	39	10

121T.70 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	70	15	10
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.)
T15H	6.35	3.5	100	22	10
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.)
20IP	6.35	4.1	50	12	10
25IP	6.35	4.6	50	12	10
27IP	6.35	5.2	50	13	10
30IP	6.35	5.7	50	13	10
40IP	6.35	-	50	14	10

121T.70 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	70	16	10
25IP	6.35	4.6	70	16	10
27IP	6.35	5.2	70	17	10
30IP	6.35	5.7	70	17	10
40IP	6.35	-	70	18	10

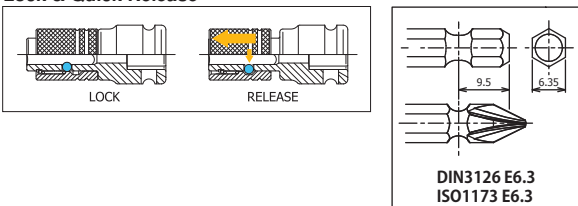
	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
12137E	1/4"	12	13	36	22	10	*1
13137H	3/8"	13	19	42	77	10	*2
13137E	3/8"	12	19	40	40	10	*2
14137E	1/2"	12	25	48	70	10	*3

*1 Pin/O-Ring=A21/B21
 *2 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269
 *3 C-Ring=C41, Pin/O-Ring=A41/B41

	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
12142-F6.3	1/4"	16.5	13	40	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

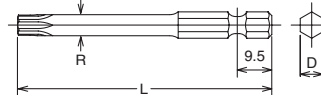
*1 Pin/O-Ring=A21/B21
 *2 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269
 *3 C-Ring=C41, Pin/O-Ring=A41/B41

Lock & Quick Release

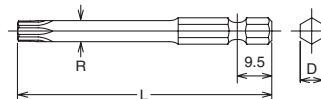


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

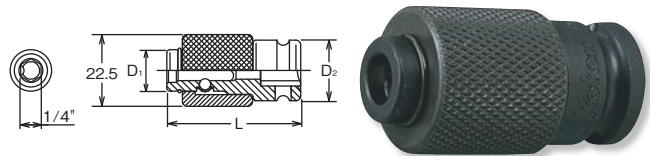
121T-70 · -100 (TH) Tamper-Resistant TORX® Bits Punta TORX®, indeformable **⚠**



121T-50 · -70 (IP) TORXPLUS® Bits Putas TORXPLUS®



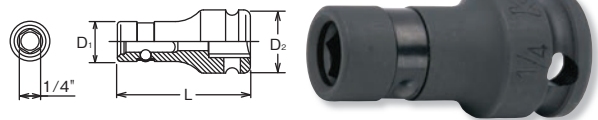
13137H Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)



12137E Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)

13137E

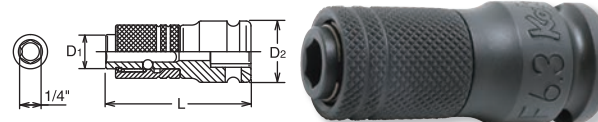
14137E



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

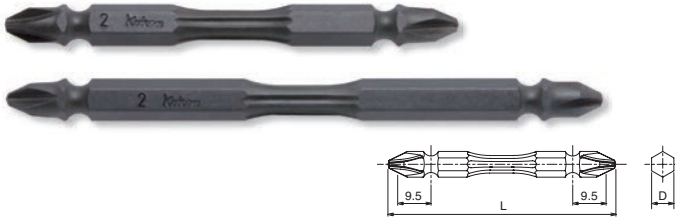
14142-F6.3



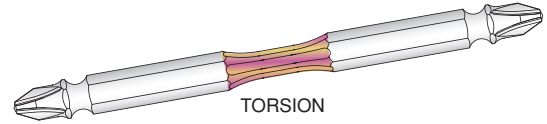
Bit & Slide Socket **1/4"**

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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

123PT-75 • -100 Double Ended Torsion Bits Puntas PH, simétricas, Torsion

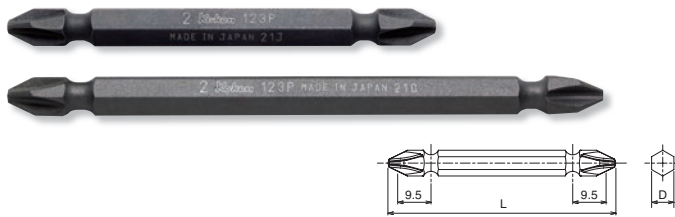


123PT (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10



123PN-75 • -100 Double Ended Bits Puntas PH, simétricas

123PG-75 • -100 Magnetic type



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

165LM Slide Socket with Magnet

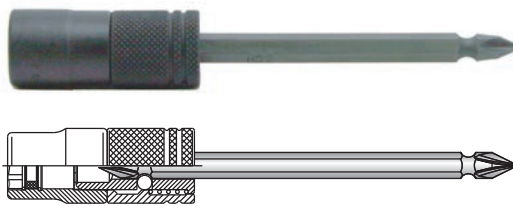


165LM.45 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.5	3.5	45	55	10
10	16	4.2	45	58	10
12	18.5	5.6	45	65	10
13	20	6	45	68	10
14	21	6.4	45	70	10

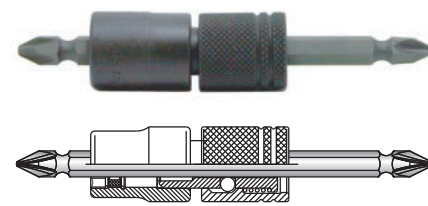
Slide the socket by pulling holder, and pull back the socket to lock on the bit groove.
Ring magnet holds a bolt or nut for easy work.

- You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.
- The magnet could be broken with any impacts. Please handle with care.

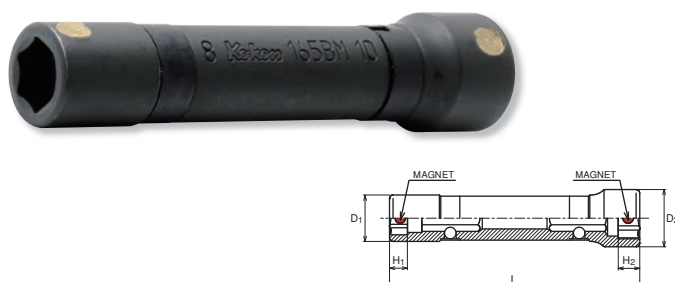
Nut Setter



PH Bit

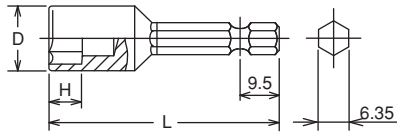


165BM Double-sided socket with side magnets



165BM.70 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
New 8x10	13	16	5	6	70	55	10
165BM.80 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
New 10x12	16	19.1	6	8	80	80	10
New 10x13	16	20.5	8	8	80	80	10
165BM.100 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
New 10x12	16	19.1	8	8	100	95	10
New 10x14	16	21.5	8	10	100	105	10
New 12x14	19.1	21.5	8	10	100	130	10

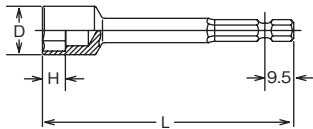
113-50 Nut Setters Vasos para apretar tuercas Hexagonales



113.50 (mm)	D (mm)	H (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	24	10
11	16	8	50	28	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10

113.50 (inch)	D (mm)	H (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	25	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)	H (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)	H (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)	H (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

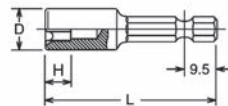
113.200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10

113.250 (mm)	D (mm)	H (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) Nut Setters, TORX® Vasos para apretar tuercas, TORX®



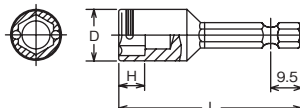
113.50 (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10



113-50 (2B) Nut Setters Nut Grip® Vasos para apretar tuercas con 2 bolas



113.50 (mm)	D (mm)	H (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
12(2B)	16	8	50	28	10
13(2B)	18	8	50	31	10

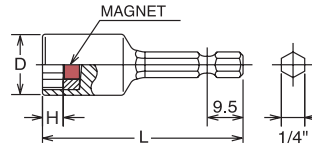


113.50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8(2B)	14.2	7	50	26	10

115-50



Nut Setters with Magnet
Vasos para tuercas con Imán



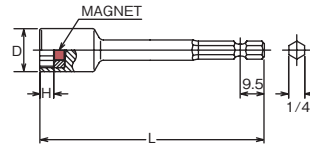
115.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
11	16	4.9	50	35	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

115.50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	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)	H (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)	H (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)	H (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

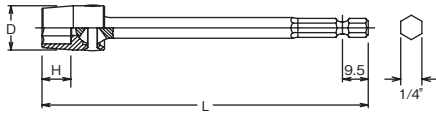
115.200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	200	79	10
8	12.7	3.5	200	80	10
10	14.5	4.2	200	88	10
12	17	5.6	200	97	10
13	18	6	200	102	10
14	19	6.4	200	105	10

115.250 (mm)	D (mm)	H (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)	H (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

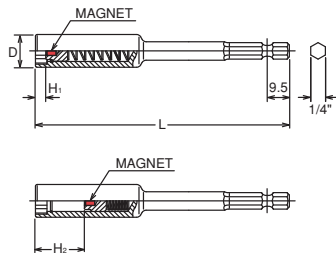
113UN.200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	200	75	10
10	15	8	200	87	10
12	17	10	200	98	10
13	18	10	200	116	10
14	19.2	10	200	116	10

113UN.150 (mm)	D (mm)	H (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



115G-75 · -100 · -150 · -200 · -250 · -300

Nut Setters with sliding Magnet
Vasos para tuercas con Imán Corredizo



115G.75 (mm)	D (mm)	H ₁ (mm)	H ₂ (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

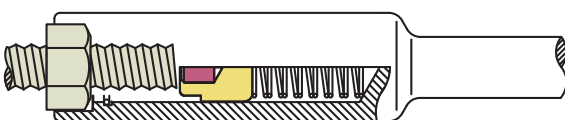
115G.100 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	100	51	10
8	12.7	4	26	100	51	10
10	14.5	4.5	26	100	57	10
12	17	6	26	100	77	10
13	18	6.5	25	100	80	10
14	19	7	24	100	82	10

115G.150 (mm)	D (mm)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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

115G.250 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12.7	4	26	250	110	10
10	14.5	4.5	26	250	120	10
12	17	6	26	250	130	10
New 13	18	6.5	25	250	150	10

115G.300 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
New 10	14.5	4.5	26	300	140	10
New 12	17	6	26	300	155	10

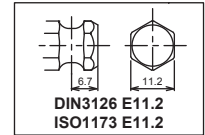
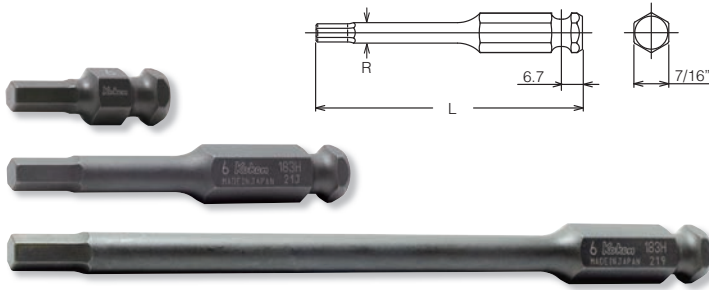


Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line work.

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.

183H-35 · -75 · -150

Hex Bits
Puntas Hexagonales



183H.35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

⚠ The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

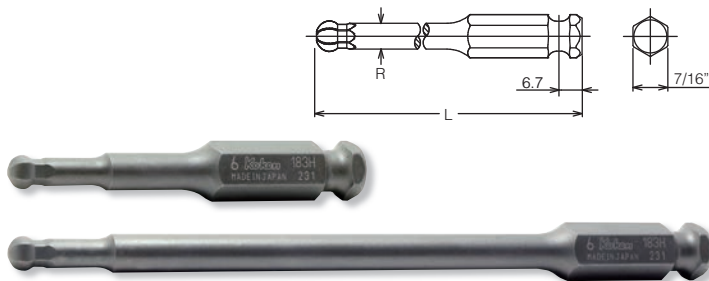
183H.35 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

183H.150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

183H-75B · -150B

Ball point Hex Bits
Puntas Hexagonales con bola

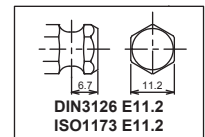
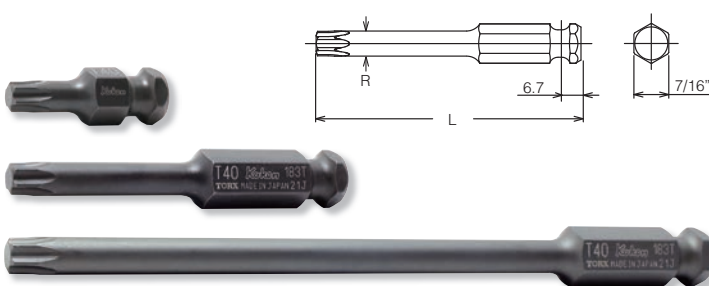


183H.75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
6B	75	5.7	39	10
8B	75	7.7	44	10
10B	75	9.7	49	10
12B	75	11.7	72	10

183H.150B (mm)	L (mm)	R (mm)	(g)	(pcs.)
6B	150	5.7	65	10
8B	150	7.7	71	10
10B	150	9.7	92	10
12B	150	11.7	135	10

183T-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®



183T.75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T25	75	6	33	10
T27	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T.35 (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	30	10
T60	35	38	10

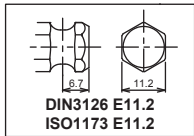
183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10
T60	150	13.5	148	10

⚠ The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

183T.35 (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	38	10

183T.75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

⚠ The items with ⚠ have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.



183X.35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

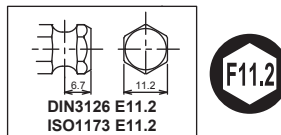
⚠ The items with ⚠ have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⊕
13134	3/8"	24	22	32	70	10	*1
14134	1/2"	24	25	38	90	10	*2
16134	3/4"	24	44	52	200	2	*3

*1 C-Ring=C32,Pin/O-Ring=A32/B32
*2 C-Ring=C41,Pin/O-Ring=A41/B41 → P268-269
*3 C-Ring=C61,Pin/O-Ring=A61/B61

13134-SC
Replacement Screw : M8x6, ● 4mm

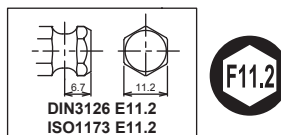
For
DIN3126 / ISO1173 E11.2 Bits



	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⊕
13142-F11.2	3/8"	18.9	22	46	116	10	*1
14142-F11.2	1/2"	18.9	25	46	207	10	*2

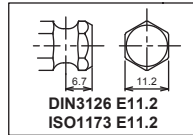
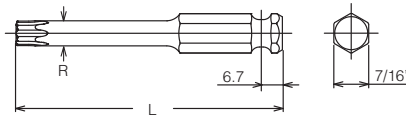
*1 C-Ring=C32,Pin/O-Ring=A32/B32
*2 C-Ring=C41,Pin/O-Ring=A41/B41 → P268-269

For
DIN3126 / ISO1173 E11.2 Bits



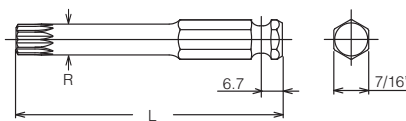
183T-35 · -75 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®



183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN

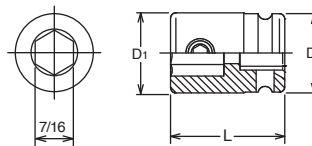


183X.150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
M14	150	13.5	151	10

13134 ○ Impact Bit Holder

14134 ○ Porta-punta de Impacto

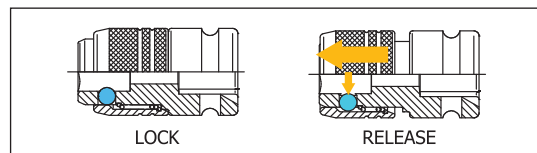
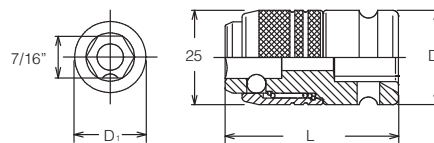
16134 ○



13142-F11.2 ○ Impact Bit Holder (Quick Release)

Porta-punta de Impacto (Extracción Rápida) ⚠

14142-F11.2 ○



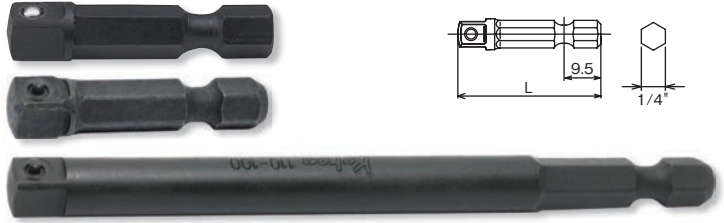
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Z-SERIES
HAND
MANUALES
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

Adaptor

Z-SERIES
HAND MANUALES
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

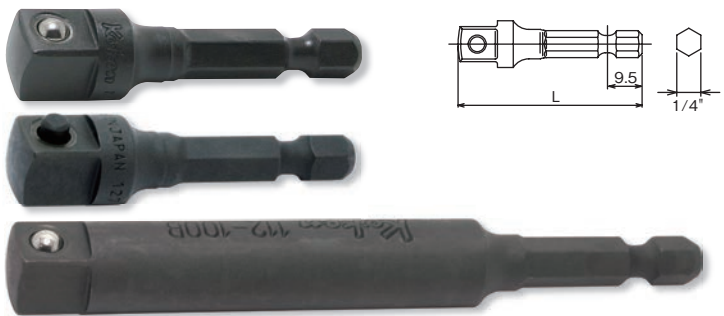
110-35B · -50B · -75B · -100B · -150B · -200B -35P · -50P · -75P · -100P · -150P · -200P



110	TYPE	L (mm)	(g)	(pcs.)	
New New New New New New	1/4"	35B	35	9	10
		35P	35	9	10
		50B	50	15	10
		50P	50	15	10
		75B	75	25	10
		75P	75	25	10
		100B	100	34	10
		100P	100	34	10
		150B	150	54	10
		150P	150	54	10
		200B	200	73	10
		200P	200	73	10

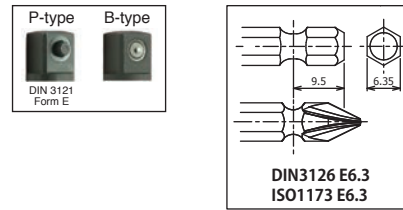
● DIN 3126 / ISO 1173 Form E 6.3

112-50B · -75B · -100B · -150B · -200B -50P · -75P · -100P · -150P · -200P



112	TYPE	L (mm)	(g)	(pcs.)	
New New New New New New	3/8"	50B	50	21	10
		50P	50	21	10
		75B	75	46	10
		75P	75	46	10
		100B	100	71	10
		100P	100	71	10
		150B	150	121	10
		150P	150	121	10
		200B	200	165	10
		200P	200	165	10

● DIN 3126 / ISO 1173 Form E 6.3



135E-60B · -60P



135E	TYPE	L (mm)	(g)	(pcs.)	
New	1/2"	60B	60	46	10
		60P	60	46	10

● DIN 3126 / ISO 1173 Form E 6.3

117-50B · -100B -50P · -100P



117	TYPE	L (mm)	(g)	(pcs.)	
New	1/4"	50B	50	15	10
		50P	50	15	10
		100B	100	71	10
		100P	100	71	10

● DIN 3126 / ISO 1173 Form G7

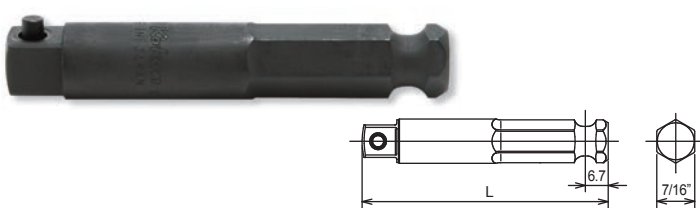
120-50B · -50P



120	TYPE	L (mm)	(g)	(pcs.)	
New	3/8"	50B	50	27	10
		50P	50	27	10

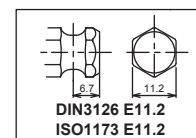
● DIN 3126 / ISO 1173 Form E8

186-75P

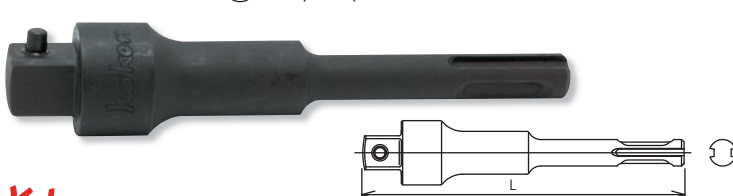


186-75P	L (mm)	(g)	(pcs.)
3/8"	75	65	10
1/2"	75	85	10

● DIN 3126 / ISO 1173 Form E11.2



BD022-120P



BD022-120P	L (mm)	(g)	(pcs.)
3/8"	120	100	10
1/2"	120	160	10

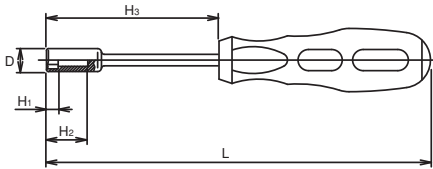
Screwdrivers



Screwdrivers

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

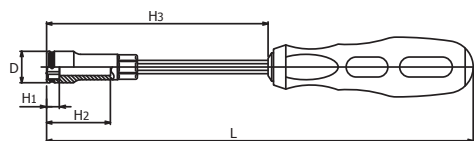
167M · 167A Socket Drivers Destornilladores de Vaso





167M (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (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)	H (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®

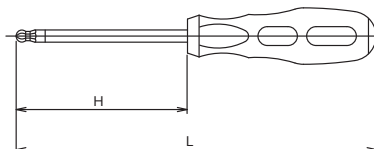


167C(2B) (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	 (g)	 (pcs.)
7(2B)	11.5	4	38	122	235	120	6
8(2B)	12.3	5	38	122	235	125	6
10(2B)	14.2	6	38	122	235	130	6
12(2B)	17.3	7	38	122	235	135	6


167C/3-2B 4 Pieces Set/=280g
PLASTIC BAG



Socket Drivers
 Socket: 7, 8, 10
 Grip: 167C-GRIP

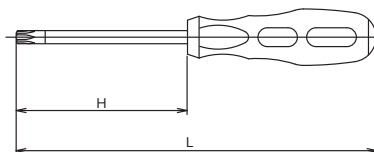
168H-B  Ball point Hex Screwdrivers 




168H (mm)	H (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)	H (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

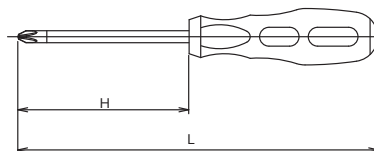
 Tamper Resistant TORX® Screwdrivers have less strength due to the special design. Make sure to use it correctly.

168T/7 (TH)  Set Juego 

168T/7-TH	(g)
168T-T10H, T15H, T20H, T25H, T27H, T30H, T40H	480



168P (PZ)  PZ Screwdrivers



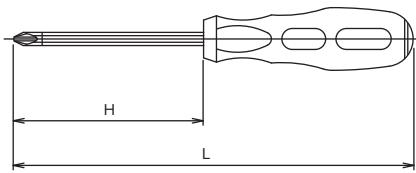
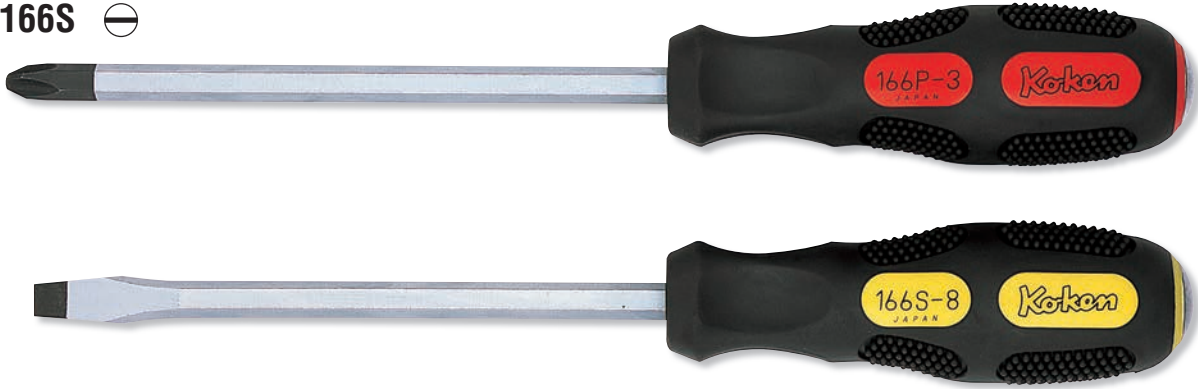
168P (PZ)	H (mm)	L (mm)	(g)	(pcs.)
PZ1	75	175	78	6
PZ2	100	210	129	6
PZ3	150	270	203	6

Screwdrivers

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JUEGOS DE PIEZAS REPUESTO

166P  Screwdrivers (Blade-Through type)
Destornilladores

166S 





166P (PH)	H (mm)	L (mm)	(g)	(pcs.)
1	75	175	78	6
2	100	210	129	6
3	150	270	203	6

166S	H (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

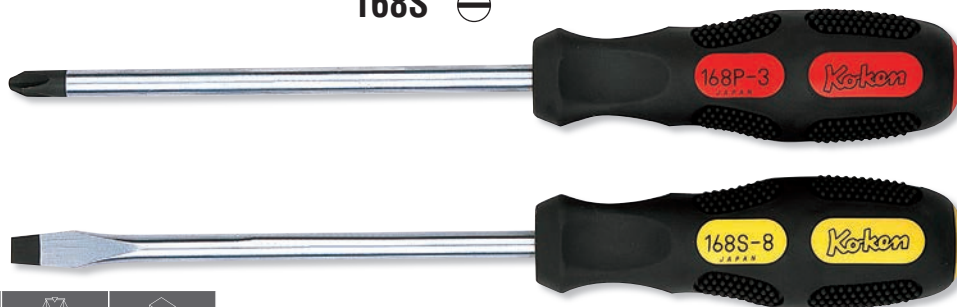
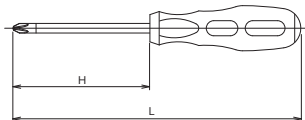
PK166PS/6   Set Juego



PK166PS/6	6 Pieces Set/△=950g
PLASTIC TRAY	
Screwdrivers	
	166P Screwdrivers 1, 2, 3
	166S Screwdrivers 5, 6, 8




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PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPLUSTO




168P  Screwdrivers
Destornilladores
168S 



168P (PH)	H (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
2(300)	300	410	133	1
3	150	270	150	6

168S	H (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
6(300)	300	410	133	1
8	150	270	150	6

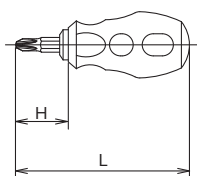
168PS/6 6 Pieces Set/  =660g
CARDBOARD BOX:W280xH115xT40mm
Screwdrivers
 **168P** Screwdrivers
1, 2, 3
 **168S** Screwdrivers
5, 6, 8

PK168PS/6 6 Pieces Set/  =720g
PLASTIC TRAY
Screwdrivers
 **168P** Screwdrivers
1, 2, 3
 **168S** Screwdrivers
5, 6, 8

168PS/6   Set
Juego

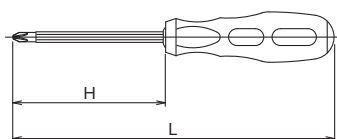


PK168PS/6   Set
Juego



168CS	H (mm)	L (mm)	(g)	(pcs.)
2x6	22	86	46	6

168CS   Interchangeable Screwdrivers, Stubby



168C	H (mm)	L (mm)	(g)	(pcs.)
2x6	100	210	108	6
2x6(150)	150	260	120	6
2x6(200)	200	310	133	6

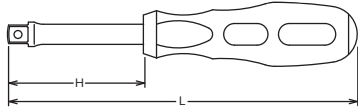
168C   Interchangeable Screwdrivers



Screwdrivers

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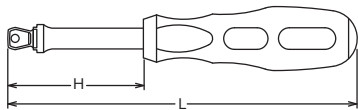
2769N-150 • -220 Spin Type Handle Mango Tipo Destornillador ⚠



2769N		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	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.

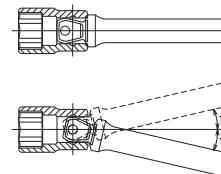
2769NWF-150 • -220 Spin Type Handle (Wobble-Fix) Mango Tipo Destornillador (Articulado-Fijo) ⚠



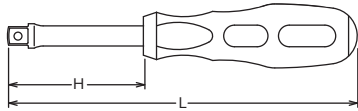
2769NWF		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	2
220		120	220	100	2

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 Articulado-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.

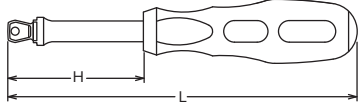


3769N-160 • -230 Spin Type Handle Mango Tipo Destornillador ⚠



3769N		H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	110	2
230		120	230	135	2

3769NWF-160 • -230 Spin Type Handle (Wobble-Fix) Mangos Tipo Destornillador (Articulado-Fijo) ⚠



3769NWF		H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	110	2
230		120	230	135	2

Impact Sockets

1/4"

3/8"

1/2"

5/8"

3/4"

1"

1-1/2"
















































2-1/2"

3-1/2"



Impact Sockets

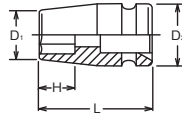
Impact Sockets		Square Drive									
		1/4"(6.35mm)SQ.		3/8"(9.5mm)SQ.		1/2"(12.7mm)SQ.		5/8"(15.9mm)SQ.		3/4"(19mm)SQ.	
		No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
Standard Sockets	6-point	12400M	mm 194	13400M	mm 197	14400M	mm 213	15400M	mm 231	16400M	mm 233
	6-point (Thin-walled)	12400A	inch 194	13400A	inch 197	14400A	inch 213	15400A	inch 231	16400A	inch 233
	6-point (with Magnet)	12400MG	mm 194	13400MG	mm 199	14400MG	mm 215			16401M	mm 234
	12-point			13401M	mm 198	14401M	mm 214			16401A	inch 234
	12-point (Thin-walled)			13401A	inch 198	14401A	inch 214				
	Surface	12410M	mm 194	13400AG	mm 199						
	PATHFINDER®	12465M	mm 195	13400AG	mm 199	14405M	mm 213			16405M	mm 233
	TORX® (E)	12425	TORX® 195	13405A	inch 197	14405A	inch 213			16405A	inch 233
	TORXplus® (EP)			13406M	mm 198	14406M	mm 214				
	TORXplus® (EPR)			13406A	inch 198	14406A	inch 214				
	LH-S			13410M	mm 199	14410M	mm 215	15410M	mm 231	16410M	mm 234
	for Self Tapping Screws	12460M	mm 195	13410M	mm 199	14410M	mm 215				
	12460A	inch 195		13460M	mm 200						
	12460A	inch 195		13460A	inch 200						
	for Self Tapping Screws (with Magnet)	12460MG	mm 195	13460MG	mm 200						
12460AG	inch 195		13460AG	inch 200							
Double Square					14415M	mm 216					
for Weld Nut			13400-WN	202	14400-WN	217					
Short Sockets	6-point (Thin-walled)			13401MS	mm 199	14401MS	mm 215				
Semi Deep Sockets	6-point (Thin-walled)			13301X	mm 202	14301X	mm 217			16301X	mm 236
	6-point (with Slide Magnet)			13300XG	mm 203						
Deep Sockets	6-point	12300M	mm 196	13300M	mm 203	14300M	mm 218	15300M	mm 232	16300M	mm 236
	6-point (Thin-walled)			13300A	inch 203	14300A	inch 218			16300A	inch 236
	6-point (Thin-walled)			13301M	mm 203	14301M	mm 218			16301M	mm 237
	6-point (Thin-walled)			13301A	inch 203	14301A	inch 218			16301A	inch 237
	6-point (with Slide Magnet)	12300G	mm 196	13300G	mm 204	14300G	mm 220				
	12-point			13305M	mm 204	14305M	mm 219			16305M	mm 237
	12-point (Thin-walled)			13306M	mm 204	14306M	mm 219				
Surface			13310M	mm 204	14310M	mm 219	15310M	mm 232	16310M	mm 238	
PATHFINDER®	12365M	mm 196	13365M	mm 204	14365M	mm 220					
TORX® (E)			13325	TORX® 205	14325	TORX® 220			16325	TORX® 238	
Extension Sockets	6-point			13145M	mm 210	14145M	mm 226				
	6-point (with Magnet)			13145MG	mm 210	14145MG	mm 226				
	12-point			13145M(12P)	mm 210						
Universal Sockets	6-point			13440M	mm 205	14440M	mm 220				
	13440A	inch 205		13440A	inch 205	14440A	inch 220				
	6-point (Extension)			13146M	mm 211	14146M	mm 226				
TORX® (E)			13440T	TORX® 205							
Bit Sockets	Hexagon			13012M	mm 206	14012M	mm 221				
	TORX® (T)			13025	TORX® 206	14025	TORX® 221				
Bit Sockets (Bit changeable)	Hexagon			13134M	mm 209	14134M	mm 224			16106-16	mm 239
	TORX® (T)			13134T(T)	TORX® 209	14134T(T)	TORX® 224			16107-22	mm 241
	TORXplus® (IP)			13134T(IP)	TORXplus® 209	14134T(IP)	TORXplus® 224			16106-16(T)	TORX® 239
	XZN (Triple Square)			13134X(XZN)	XZN 209	14134X(XZN)	XZN 224			16106-16(XZN)	XZN 239
Universal Bit Sockets	Hexagon			13430M	mm 205						
	Hexagon (Extension)			13147M	mm 211	14147M	mm 227				
Extension Bars		12760	196	13760	211	14760	227			16760	241
Universal Joints		12770	196	13770	212	14770	228	15770	232	16770	242
				13771	212	14771	228			16771	242
				13772	212	14772	228				
Adaptors		12233A	196	13322A	212	14433A	228	15544A	232	16644A	242
				13344A	212	14455A	228	15566A	232	16655A	242
				13333WA	212	14466A	228			16688A	242
Locking Adaptors		12222AL	196	13333AL	211	14444AL	227	15555AL	232	16666AL	242
						14466AL	227			16644AL	242

Impact Sockets	Square Drive												
	1"(25.4mm)SQ.			1.1/2"(38.1mm)SQ.			2.1/2"(63.5mm)SQ.			3.1/2"(88.9mm)SQ.			
	No.		Page	No.		Page	No.		Page	No.		Page	
Standard Sockets	 6-point	18400M	mm	244	17400M	mm	254	19400M	mm	258	10400M	mm	260
	 6-point (Thin-walled)	18401M	mm	245	17400A	inch	254	19400A	inch	258	10400A	inch	260
	 6-point (with Magnet)												
	 12-point	18405M	mm	245	17405M	mm	255						
	 12-point (Thin-walled)	18405A	inch	245	17405A	inch	255						
	 Surface	18410M	mm	246									
	 PATHFINDER®												
	 TORX® (E)												
	 TORXplus® (EP)												
	 TORXplus® (EPR)												
	 LH-S												
	 for Self Tapping Screws												
	 for Self Tapping Screws (with Magnet)												
	 Double Square												
	 for Weld Nut												
Short Sockets	 6-point (Thin-walled)												
Semi Deep Sockets	 6-point (Thin-walled)	18301X	mm	247									
	 6-point (with Slide Magnet)												
Deep Sockets	 6-point	18300M	mm	247	17300M	mm	255	19300M	mm	259			
	 6-point (Thin-walled)	18301M	mm	248	17300A	inch	255						
	 6-point (with Slide Magnet)	18301A	inch	248									
	 12-point												
	 12-point (Thin-walled)												
	 Surface	18310M	mm	248									
	 PATHFINDER®												
Extension Sockets	 6-point	18104M	mm	246									
	 6-point (with Magnet)												
	 12-point												
Universal Sockets	 6-point												
	 6-point (Extension)												
	 TORX® (E)												
Bit Sockets	 Hexagon												
	 TORX® (T)												
Bit Sockets (Bit changeable)	 Hexagon	18106-16	mm	249	17108-32	mm	256						
	 Hexagon	18107-22	mm	251									
	 Hexagon	18108-32	mm	252									
	 TORX® (T)	18106-16(T)	TORX®	249									
Universal Bit Sockets	 TORXplus® (IP)												
	 XZN (Triple Square)	18106-16(XZN)	XZN	249									
Universal Bit Sockets	 Hexagon												
	 Hexagon (Extension)												
Extension Bars		18760		252	17760		257	19760		259			
Universal Joints		18770		253	17770		257	19770		259			
		18771		253									
Adaptors		18866A		253	17788A		257	19977A		259	10099A	260	
		18877A		253	17799A		257						
Locking Adaptors		18888AL		253									

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CONSTRUCCION
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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.

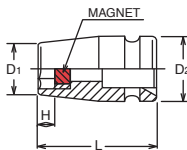
El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bihex.


12400M (mm)	D ₁ (mm)	D ₂ (mm)	H (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)	H (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
7/32	9.4	13	4	23	16	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=A21/B21 → P269

12400MG • 12400AG  6-point Sockets with Magnet Vasos Hexagonales con Imán

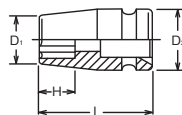


12400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	7.5	13	2.1	23	12	10	*1
4.5	8.1	13	2.1	23	13	10	*1
5	8.8	13	2.1	23	15	10	*1
5.5	9.4	13	2.1	23	15	10	*1
6	10	13	2.4	23	16	10	*1
7	11.3	13	2.8	23	16	10	*1
8	12.5	13	3.5	23	17	10	*1
9	13.8	13	3.8	23	18	10	*1
10	15	13	4.2	23	18	10	*1
11	16.3	13	4.9	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)	H (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=A21/B21 → P269


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)	H (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=A21/B21 → P269

1/4" Impact Sockets

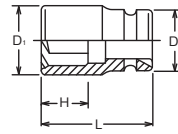
12465M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	23	17	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	9	23	18	10	*1
13	18.8	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 → P269



PATHFINDER®

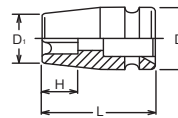
12465M Pathfinder Sockets Vasos Pathfinder (Guía)



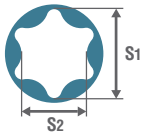
12425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

*1 Pin/O-Ring=A21/B21 → P269

12425 TORX® Sockets Vasos TORX®



TORX® (E)



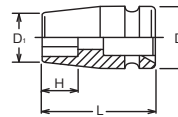
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

12460M (mm)	D ₁ (mm)	D ₂ (mm)	H (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

*1 Pin/O-Ring=A21/B21 → P269

12460M • 12460A

Sockets for Self-Tapping Screws Vasos con Imán para Tornillos Autorroscantes

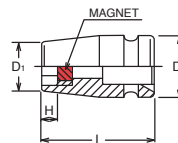


12460A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

12460MG (mm)	D ₁ (mm)	D ₂ (mm)	H (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
12	17.9	13	8	30	41	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

*1 Pin/O-Ring=A21/B21 → P269

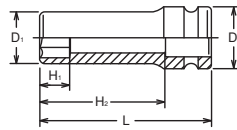
12460MG • 12460AG With Magnet for Self-Tapping Screws Con Imán para Tornillos Autorroscantes



Impact Sockets 1/4"

Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
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CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

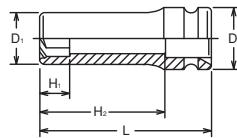
12300M 6-point Sockets, Deep Vasos Hexagonales Largos



12300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
6	10	13	6	38	48	26	10	*1
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=A21/B21 → P269

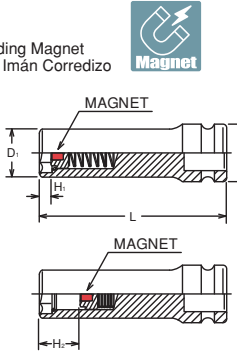
12365M Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos



12365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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=A21/B21 → P269

12300G Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo

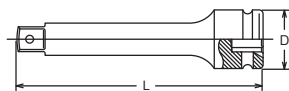


12300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
7	11.3	13	3.5	25	48	30	10	*1
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

*1 Pin/O-Ring=A21/B21 → P269

12760 Extension Bars Alargaderas

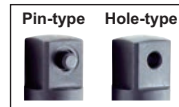
12760-P



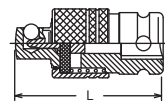
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
12760-55	Hole	13	55	26	10	*1
12760-75	Hole	13	75	45	10	*1
12760-100	Hole	13	100	50	10	*1
12760-150	Hole	13	150	60	10	*1
12760-200	Hole	13	200	80	10	*1

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
12760-55P	Pin	13	55	26	10	*1
12760-75P	Pin	13	75	45	10	*1
12760-100P	Pin	13	100	50	10	*1
12760-150P	Pin	13	150	60	10	*1
12760-200P	Pin	13	200	80	10	*1

*1 Pin/O-Ring=A21/B21 → P269



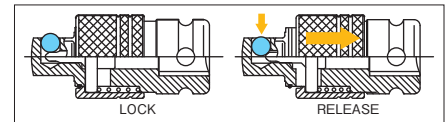
12222AL Adaptor (Quick Release) Adaptador (Extracción Rápida)



	L (mm)	(g)	(pcs.)	
12222AL	35	30	10	*1

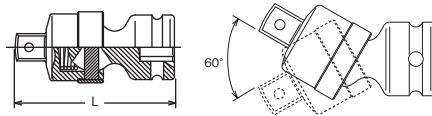
*1 Pin/O-Ring=A21/B21 → P269

Lock & Quick Release



⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

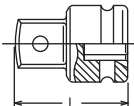
12770 Universal Joint Articulación Universal



	L (mm)	(g)	(pcs.)	
12770	39	30	10	*1

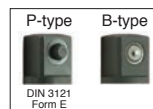
*1 Pin/O-Ring=A21/B21 → P269

12233A Adaptor Adaptador



	TYPE	□ (sq.)	□ (sq.)	L (mm)	(g)	(pcs.)	
12233A	Hole	1/4"	3/8"	22	15	10	*1
12233A-B	Ball	1/4"	3/8"	22	15	10	*1
12233A-P	Pin	1/4"	3/8"	22	15	10	*1

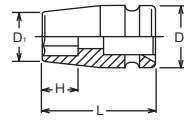
*1 Pin/O-Ring=A21/B21 → P269





13400M • 13400A

6-point Sockets
Vasos Hexagonales



13400M (mm)	D ₁ (mm)	D ₂ (mm)	H (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

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269
*2 C-Ring=C32, Pin/O-Ring=A32/B32

13400A (inch)	D ₁ (mm)	D ₂ (mm)	H (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=C31, Pin/O-Ring=A31/B31 → P268-269
*2 C-Ring=C32, Pin/O-Ring=A32/B32

RS13400M/11	11 Pieces Set/Rail 300mm	(g)
New	8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	630

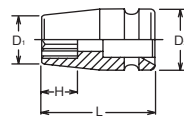
RS13400M/11

Socket Set on Rail
Juego de Vasos en Regleta



13405M • 13405A

12-point Sockets
Vasos Bihexagonales



13405M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
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

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269
*2 C-Ring=C32, Pin/O-Ring=A32/B32

13405A (inch)	D ₁ (mm)	D ₂ (mm)	H (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=C31, Pin/O-Ring=A31/B31 → P268-269
*2 C-Ring=C32, Pin/O-Ring=A32/B32

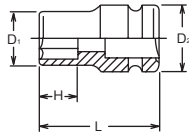
Z-SERIES
HAND
MANUALES
DE TITANIO
ACCESORIOS
DESTORNILLADORES
SCREWDRIVERS
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
PROTECTOR
AUTOMOTIVE
CONSTRUCTION
RENEWAL KITS

Impact Sockets **3/8"**

Z-SERIES
HAND MANUALES
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

13401M • 13401A

6-point Socket, Thin Walled
Vasos Hexagonales de Pared Delgada



13401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P268-269

13401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P268-269

RS13401M/9

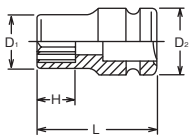
Socket Set on Rail
Juego de Vasos en Regleta



RS13401M/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		505

13406M • 13406A

12-point Socket, Thin Walled
Vasos Bihexagonales de Pared Delgada



13406A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P268-269

13406M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P268-269

13401MS (mm)	D ₁ (mm)	D ₂ (mm)	H (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
11	16	18.5	10	22	24	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
15	20.9	21.5	10	25	38	10	*2
16	22.3	21.5	10	25	39	10	*2
17	23.5	21.5	10	25	41	10	*2
18	24.8	21.5	10	25	43	10	*2
19	26	21.5	10	25	44	10	*2

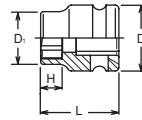
*1 C-Ring=C31, Pin/O-Ring=A31/B31
 *2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

RS13401MS/11	11 Pieces Set/Rail 300mm	(g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		400

13401MS



6-point Short Sockets, Thin-walled.
 Vasos Hexagonales de Pared Delgada, Short



RS13401MS/11



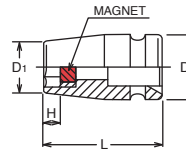
Socket Set on Rail
 Juego de Vasos en Regleta



13400MG • 13400AG



6-point Sockets with Magnet
 Vasos Hexagonales con Imán



13400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (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=C31, Pin/O-Ring=A31/B31
 *2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13400AG (inch)	D ₁ (mm)	D ₂ (mm)	H (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=C31, Pin/O-Ring=A31/B31
 *2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13410M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
22	30.8	22	13	32	72	10	*2

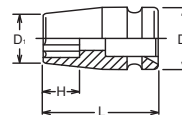
*1 C-Ring=C31, Pin/O-Ring=A31/B31
 *2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269



13410M



Surface Drive Sockets
 Vasos Surface Drive (de Contacto Curvo)

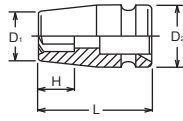


Z-SERIES
 HAND
 MANUALES
 TITANIUM
 DE TITANIO
 ACCESSORIES
 ACCESORIOS
 SCREWDRIVERS
 DESTORNILLADORES
 IMPACT
 DE IMPACTO
 SLEEVE-DRIVE
 INDUSTRIAL
 INDUSTRIALES
 PROTECTOR
 PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION
 CONSTRUCCION
 RENEWAL KITS
 JUEGOS DE HERRAMIENTAS


Impact Sockets **3/8"**

Z-SERIES
HAND MANUALES
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

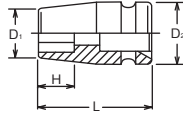
13465M Pathfinder Sockets Vasos Pathfinder (Guía)



13465M (mm)	D ₁ (mm)	D ₂ (mm)	H (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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 

13460M • 13460A For Self-Tapping Screws Para Tornillos Autorroscantes

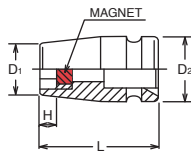


13460M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
12	19	19.2	9	32	48	10	*2
13	20.3	22	10	32	60	10	*2

13460A (inch)	D ₁ (mm)	D ₂ (mm)	H (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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 

13460MG • 13460AG Sockets with Magnets for Self-Tapping Screws Vasos con Imán para Tornillos Autorroscantes



13460MG (mm)	D ₁ (mm)	D ₂ (mm)	H (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)	H (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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 

13425 (E)	D ₁ (mm)	D ₂ (mm)	H (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
E11	13.2	19	8.7	32	43	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=C31, Pin/O-Ring=A31/B31 → P268-269

13425EG (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 8	11.7	19	5	32	54	10	*1
E10	12.2	19	5.5	32	52	10	*1
E12	14.2	19	6.5	32	53	10	*1
E14	17.2	19	7	32	54	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

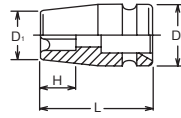
13425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8EPL	11.7	19	5.2	32	44	10	*1
10EPL	12.2	19	6.2	32	44	10	*1
12EPL	14.2	19	7.2	32	44	10	*1
14EPL	17.2	19	8.1	32	46	10	*1
16EPL	18.2	19	9.2	32	41	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

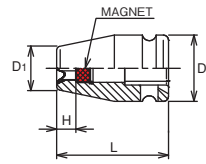
13425-EPRL (EPRL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 10EPRL	12.2	19	6.2	32	44	10	*1
New 12EPRL	14.2	19	7.2	32	44	10	*1
New 14EPRL	17.2	19	8.1	32	46	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

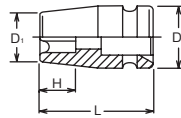
13425 TORX® Sockets Vasos TORX®



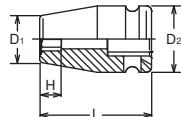
13425EG TORX® Sockets with Magnet Vasos TORX® con Imán



13425-EPL TORXPLUS® Sockets Vasos TORXPLUS®



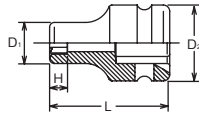
13425-EPRL Tamper-Resistant TORXPLUS® Sockets Vasos TORXPLUS® Indeformable




Impact Sockets **3/8"**

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

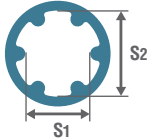
13401LH LHS Sockets Vasos LHS



13401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (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

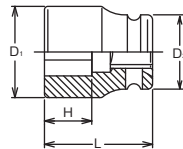
*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 

LHSTIX®




LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S ₁	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S ₂	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

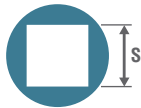
13400-WN Weld Nut Sockets



13400-WN	D ₁ (mm)	D ₂ (mm)	H (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

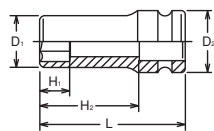
*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 

WN




WN		6WN	8WN	9WN	10WN	12WN	14WN	17WN
S	(ref. mm)	6	8	9	10	12	14	17

13301X 6-point Sockets, Semi-Deep Vasos Hexagonales Medianos de Pared Delgada



13301X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	6	36.5	50	35	10	*1
7	11	18.5	7	36.5	50	40	10	*1
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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 

RS13301X/9 Socket Set on Rail Juego de Vasos en Regleta



RS13301X/9	9 Pieces Set/Rail 250mm	(g)
		710

3/8" Impact Sockets

13300XG (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
7	12	19	3.5	19	50	52	10	*1
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
15	21.9	22	7	18	50	85	10	*2
16	23.2	22	7.5	20	50	114	10	*2
17	24.4	22	8	20	50	126	10	*2

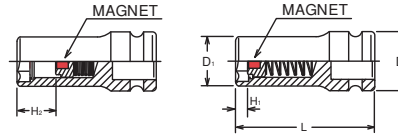
*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269



13300XG



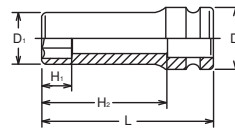
Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo



13300M • 13300A



6-point Sockets, Deep
Vasos Hexagonales Largos



13300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
23	31.9	22	23	63.5	80	238	10	*2
24	33.2	22	24	63.5	80	242	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

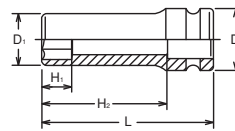
13300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13301M • 13301A



6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada



13301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
24	32.3	21.5	24	63.5	80	216	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

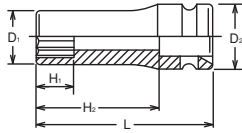
13301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
1/4	10	18.5	6	66.5	80	65	10	*1
5/16	12.3	18.5	8	66.5	80	68	10	*1
3/8	14.8	18.5	10	66.5	80	72	10	*1
7/16	16	18.5	11	66.5	80	80	10	*1
1/2	18.5	21.5	13	66.5	80	100	10	*2
9/16	19.8	21.5	14	66.5	80	110	10	*2
5/8	22.3	21.5	16	65.5	80	130	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

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

Impact Sockets 3/8"

Z-SERIES
HAND MANUALES
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

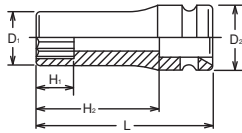
13305M 12-point Sockets, Deep Vasos Bihexagonales Largos



13305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
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
17	24.5	22	17	65.5	80	168	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

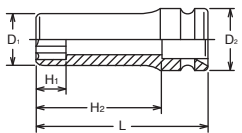
13306M 12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada



13306M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	8	66.5	80	68	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
17	23.5	21.5	17	66.5	80	136	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

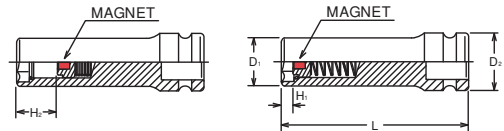
13310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



13310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	190	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

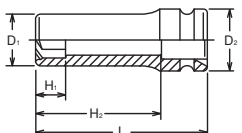
13300G Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo



13300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
16	23.3	22	8	27	80	210	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13365M Pathfinder Sockets deep Vasos Pathfinder (Guía) Largos



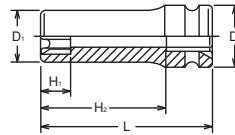
13365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	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=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

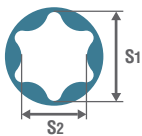
13325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	71	10	*1
E10	12.2	19	8.2	66.5	80	70	10	*1
E12	14.2	19	9.3	66.5	80	80	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	115	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

13325 TORX® Deep Sockets Vasos TORX® Largos



TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

13440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
10	15.8	5	57	135	10	*2
11	17	6	57	135	10	*2
12	18.3	6	57	135	10	*2
13	19.5	6	57	135	10	*2
14	20.8	7	59	140	10	*2
15	22	7	59	140	10	*2
16	23.3	8	59	140	10	*2
17	24.5	8	59	140	10	*2
18	25.8	9	61	150	10	*2
19	27	10	61	153	10	*2
20	29.5	10	61	157	10	*2
21	30.7	14	66	203	10	*2
22	32	13	61	210	10	*2
24	34.5	13	63	215	10	*2

13440A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
3/8	15.8	5	57	135	10	*2
7/16	17	6	57	135	10	*2
1/2	19.5	6	57	135	10	*2
9/16	20.8	7	59	138	10	*2
5/8	23.3	8	59	138	10	*2
11/16	24.5	8	59	138	10	*2
3/4	27	10	61	153	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

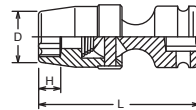
13440T (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
E10	13.3	8.2	58	135	10	*2
E12	15.8	9.3	58	135	10	*2
E14	17	10.6	58	135	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

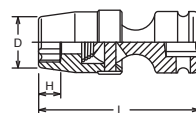
13430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
5	24	15	74	135	10	*2
6	24	15	74	135	10	*2
8	24	20	74	140	10	*2
10	24	20	74	141	10	*2
17	24	7	53	150	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

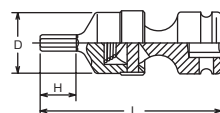
13440M · 13440A Universal Sockets Vasos con Articulación Universal



13440T TORX® Universal Sockets Vasos TORX® con Articulación Universal



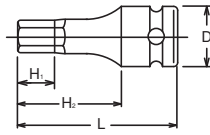
13430M Universal Inhex Sockets Vasos Inhex con Articulación Universal




Impact Sockets **3/8"**

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

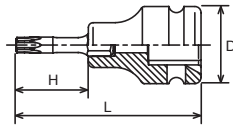
13012M-52 Inhex Sockets Vasos con Punta Hexagonal




13012M.52 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
3	18	10	34	52	33	10	*1
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
13	21	15.5	34	52	85	10	*2
14	21	15.5	34	52	92	10	*2


*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269
*2 C-Ring=C32, Pin/O-Ring=A32/B32

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=C31, Pin/O-Ring=A31/B31 → P268-269
*2 C-Ring=C32, Pin/O-Ring=A32/B32

13025.90 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	19	63.5	90	43	10	*1
T25	19	63.5	90	45	10	*1
T27	19	63.5	90	47	10	*1
T30	19	63.5	90	50	10	*1
T40	19	63.5	90	58	10	*1
T45	19	63.5	90	66	10	*1
T50	19	63.5	90	80	10	*1
T55	22	63.5	90	120	10	*2

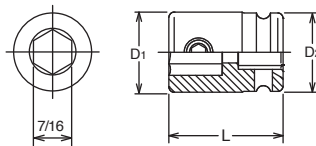
*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269
*2 C-Ring=C32, Pin/O-Ring=A32/B32


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

13134 Impact Bit Holder Porta-punta de Impacto



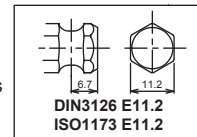
13134	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13134	24	22	32	70	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

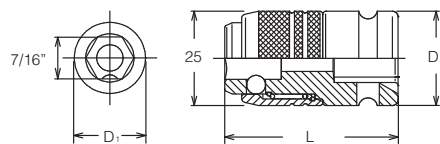
13134-SC


 Replacement Screw : M8x6, ● 4mm

For
DIN3126 / ISO1173 E11.2 Bits



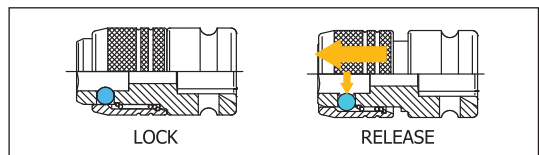
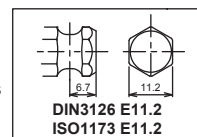
13142-F11.2 Impact Bit Holder (Quick Release) Porta-punta de Impacto (Extracción Rápida)




13142-F11.2	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	18.9	22	46	116	10	*2

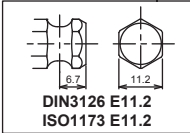
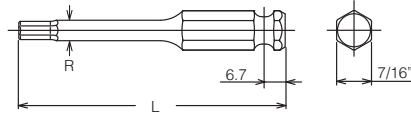
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

For
DIN3126 / ISO1173 E11.2 Bits



 You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

183H-35 · -75 · -150 Hex Bits Puntas Hexagonales





183H.35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

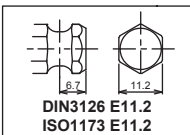
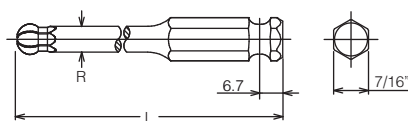
183H.35 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

183H.150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

 The items with  have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

183H-75B · -150B Ball point Hex Bits Puntas Hexagonales con bola



183H.75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New 6B	75	5.7	39	10
New 8B	75	7.7	44	10
New 10B	75	9.7	49	10
New 12B	75	11.7	72	10

183H.150B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New 6B	150	5.7	65	10
New 8B	150	7.7	71	10
New 10B	150	9.7	92	10
New 12B	150	11.7	135	10

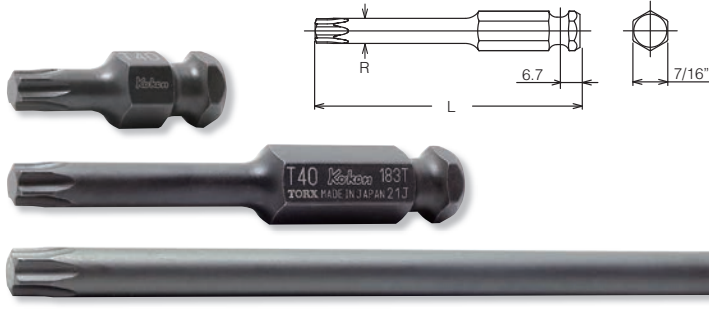
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPLUSTO

Impact Sockets **3/8"**

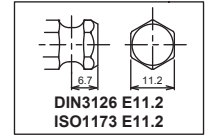
Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
SCREWDRIVERS ACCESSORIES DESTORNILLADORES ACCESORIOS
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS CONSTRUCCION JUEGOS DE PIEZAS/REPUUESTO CONSTRUCCION

183T-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®



183T.35 (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	30	10
T60	35	38	10



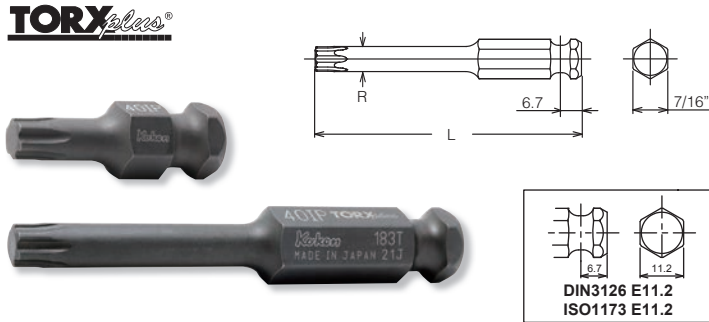
183T.75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T25	75	6	33	10
T27	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10
T60	150	13.5	148	10

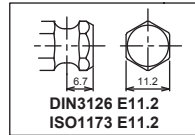
The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

183T-35 · -75 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®



183T.35 (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	38	10

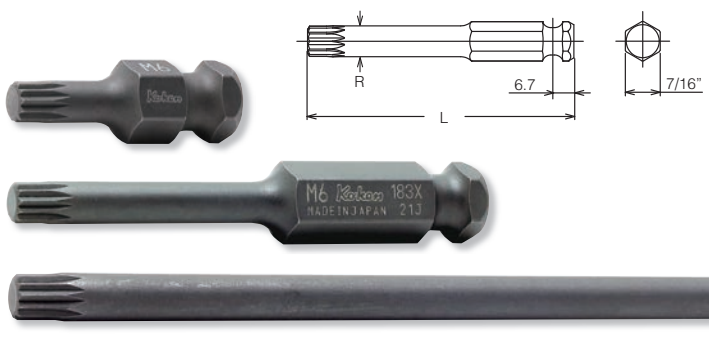


The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

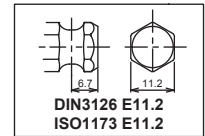
183T.75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN



183X.35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10



183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X.150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
M14	150	13.5	151	10

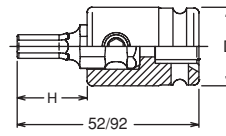
The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

13134M-52/-92 (mm)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	Ⓟ
3	22	20	60	6	85	104	10	*2
4	22	20	60	6	85	105	10	*2
5	22	20	60	6.5	85	106	10	*2
6	22	20	60	7.5	88	109	10	*2
7	22	20	60	8.5	89	114	10	*2
8	22	20	60	9.5	90	117	10	*2
10	22	20	60	-	96	127	10	*2
12	22	20	60	-	100	135	10	*2
14	22	20	60	-	105	149	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13134M-52 · -92

Hex Bit Sockets
Vasos con Punta Hexagonal

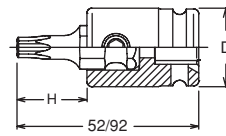


13134T-52/-92 (T)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	Ⓟ
T25	22	20	60	6	88	103	10	*2
T30	22	20	60	6	88	105	10	*2
T40	22	20	60	6.9	90	107	10	*2
T45	22	20	60	8	92	111	10	*2
T50	22	20	60	9	96	115	10	*2
T55	22	20	60	11.4	100	125	10	*2
T60	22	20	60	13.5	108	137	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13134T-52 · -92 (T)

TORX® Bit Sockets
Vasos con Punta TORX®

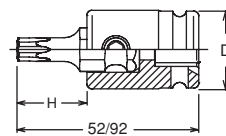


13134T-52/-92 (IP)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	Ⓟ
30IP	22	20	60	6	88	105	10	*2
40IP	22	20	60	6.8	90	107	10	*2
45IP	22	20	60	8	92	111	10	*2
50IP	22	20	60	9	96	115	10	*2
55IP	22	20	60	11.4	100	126	10	*2
60IP	22	20	60	13.5	108	139	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13134T-52 · -92 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

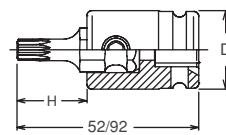


13134X-52/-92 (XZN)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	Ⓟ
M 5	22	20	60	6	88	104	10	*2
M 6	22	20	60	6.2	90	106	10	*2
M 8	22	20	60	7.4	92	109	10	*2
M10	22	20	60	9.8	96	124	10	*2
M12	22	20	60	11.7	100	129	10	*2
M14	22	20	60	13.5	108	139	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13134X-52 · -92 (XZN)

XZN Bit Sockets
Vasos con Punta XZN

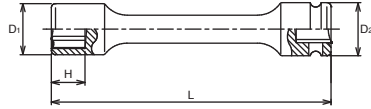


Impact Sockets **3/8"**

Z-SERIES
HAND MANUALES
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

13145M-100 · -150 · -200 · -250

Extra Long Sockets
Vasos Extra-Largos



13145M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	250	167	5	*1
8	13.3	19	8	250	172	5	*1
10	15.8	19	10	250	182	5	*1
12	18.3	19	12	250	190	5	*1
13	19.5	19	13	250	199	5	*1
14	20.8	19	14	250	208	5	*1
15	22	19	15	250	217	5	*1
17	24.5	19	17	250	225	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

13145M.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	100	90	5	*1
10	15.8	19	10	100	92	5	*1
12	18.3	19	12	100	100	5	*1
13	19.5	19	13	100	108	5	*1
14	20.8	19	14	100	112	5	*1
17	24.5	19	17	100	140	5	*1

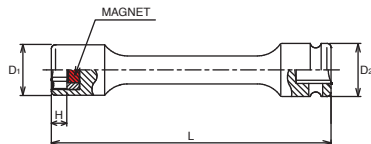
13145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	150	105	5	*1
8	13.3	19	8	150	110	5	*1
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1
13	19.5	19	13	150	137	5	*1
14	20.8	19	14	150	146	5	*1
15	22	19	15	150	155	5	*1
17	24.5	19	17	150	163	5	*1

13145M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	200	136	5	*1
8	13.3	19	8	200	141	5	*1
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1
13	19.5	19	13	200	168	5	*1
14	20.8	19	14	200	177	5	*1
15	22	19	15	200	186	5	*1
17	24.5	19	17	200	194	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

13145MG-100 · -150 · -200

Extra Long Sockets with Magnet
Vasos Extra-Largos con Imán



13145MG.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	3.5	100	90	5	*1
10	15.8	19	4.2	100	93	5	*1
12	18.3	19	5.6	100	105	5	*1
13	19.5	19	6	100	115	5	*1
14	20.8	19	6.4	100	120	5	*1

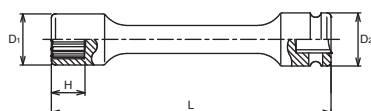
13145MG.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	3.5	150	120	5	*1
10	15.8	19	4.2	150	125	5	*1
12	18.3	19	5.6	150	136	5	*1
13	19.5	19	6	150	145	5	*1
14	20.8	19	6.4	150	150	5	*1
New 17	24.5	19	7.5	150	170	5	*1

13145MG.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	4.2	200	182	5	*1
12	18.3	19	5.6	200	190	5	*1
13	19.5	19	6	200	208	5	*1
14	20.8	19	6.4	200	225	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

13145M-100 (12P) · -150 (12P) · -200 (12P)

Extra Long 12-point Sockets
Vasos Bihexagonales, Extra-Largos

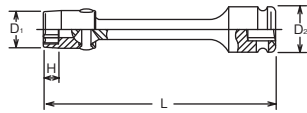


13145M.100 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	100	91	5	*1
12	18.3	19	12	100	100	5	*1

13145M.150 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1

13145M.200 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269



13146M-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	150	128	5	*1
10	14.3	19	7	150	131	5	*1
12	18	19	8	150	133	5	*1
13	19.3	19	8.5	150	132	5	*1
14	20	19	9	150	132	5	*1

13146M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	200	159	5	*1
10	14.3	19	7	200	162	5	*1
12	18	19	8	200	164	5	*1
13	19.3	19	8.5	200	163	5	*1
14	20	19	9	200	163	5	*1

13146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos Extra Largo con Articulación Universal

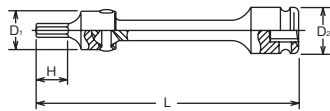


13146M-250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	250	190	5	*1
10	14.3	19	7	250	193	5	*1
12	18	19	8	250	195	5	*1
13	19.3	19	8.5	250	194	5	*1
14	20	19	9	250	194	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

13147M-150 · -200

Extra Long Universal Inhex Sockets
Vasos Inhex Extra Largos con Articulación Universal

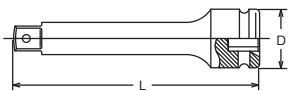
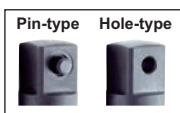


13147M-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	21	19	15	150	125	5	*1
5	21	19	15	150	128	5	*1
6	21	19	15	150	132	5	*1
8	21	19	15	150	136	5	*1
10	21	19	15	150	140	5	*1

13147M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	21	19	15	200	156	5	*1
5	21	19	15	200	159	5	*1
6	21	19	15	200	163	5	*1
8	21	19	15	200	167	5	*1
10	21	19	15	200	171	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

13760 Extension Bars 13760-P Alargaderas



	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
13760-50	Hole	22	50	70	10	*2
13760-75	Hole	22	75	95	10	*2
13760-100	Hole	22	100	115	10	*2
13760-125	Hole	22	125	140	5	*2
13760-150	Hole	22	150	165	5	*2
13760-200	Hole	22	200	215	5	*2
13760-250	Hole	22	250	260	5	*2

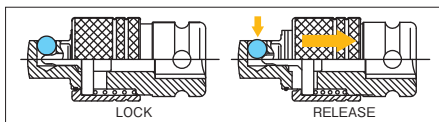
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
13760-50P	Pin	22	50	70	10	*2
13760-75P	Pin	22	75	95	10	*2
13760-100P	Pin	22	100	115	10	*2
13760-125P	Pin	22	125	140	5	*2
13760-150P	Pin	22	150	165	5	*2
13760-200P	Pin	22	200	215	5	*2
13760-250P	Pin	22	250	260	5	*2
New 13760-300P	Pin	22	300	310	5	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

	L (mm)	(g)	(pcs.)	
13333AL	45	62	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

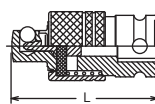
Lock & Quick Release



⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.



13333AL Adaptor (Quick Release) Adaptador (Extracción Rápida) ⚠

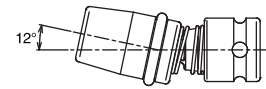
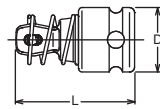


Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

Impact Sockets **3/8"**

Z-SERIES
HAND MANUALES
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

13333WA Universal Adaptor ⚠

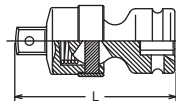


	D (mm)	L (mm)	(g)	(pcs.)	Ⓢ
13333WA	19	35	36	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

⚠ It is strongly recommended that a torque control device be utilized in applications involving the 13333WA and 14444WA adaptors as the reduced square drive design decreases the overall torque ratings.

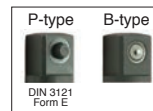
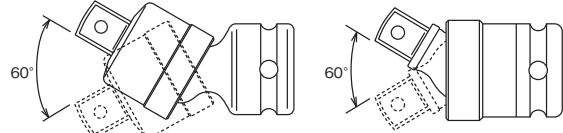
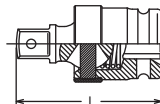
13770 Universal Joint Articulación Universal



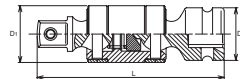
	TYPE	L (mm)	(g)	(pcs.)	Ⓢ
13770	Hole	56	110	10	*2
13770-B	Ball	56	110	10	*2
13770-P	Pin	56	110	10	*2
13771	Hole	48	92	10	*2
13771-B	Ball	48	92	10	*2
13771-P	Pin	48	92	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13771 Universal Joint Articulación Universal



13772 Universal Double Joint Articulación Universal ⚠

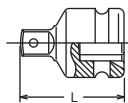


	TYPE	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
13772-B	Ball	22	19	75	120	5	*1
13772-P	Pin	22	19	75	120	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

⚠ 13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

13322A Adaptor Adaptador ⚠

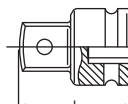


	TYPE	Ⓢ (sq.)	Ⓢ (sq.)	L (mm)	(g)	(pcs.)	Ⓢ
13322A	Hole	3/8"	1/4"	27	25	10	*1
13322A-B	Ball	3/8"	1/4"	27	25	10	*1
13322A-P	Pin	3/8"	1/4"	27	25	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

⚠ 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.

13344A Adaptor Adaptador



	TYPE	Ⓢ (sq.)	Ⓢ (sq.)	L (mm)	(g)	(pcs.)	Ⓢ
13344A	Hole	3/8"	1/2"	32.5	53	10	*2
13344A-B	Ball	3/8"	1/2"	32.5	53	10	*2
13344A-P	Pin	3/8"	1/2"	32.5	53	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

13242M Socket Set Juego de Vasos






13242M 11 Pieces Set/Ⓢ=1,140g


METAL CASE: W310xH90xT48mm

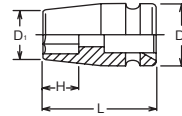
Sockets




Ⓢ 13400M 6-pt. Sockets
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19


14400M • 14400A 6-point Sockets Vasos Hexagonales

14400M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
38	52	30	20	53	360	5	*2
41	55.7	30	21	55	411	2	*2




*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42 




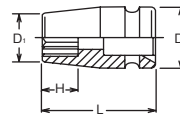
14400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
19/32	23.2	30	11	38	130	10	*2
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
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=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42 


14405M • 14405A 12-point Sockets Vasos Bihexagonales

14405M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
41	55.7	30	21	55	411	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42 



14405A (inch)	D ₁ (mm)	D ₂ (mm)	H (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=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42 

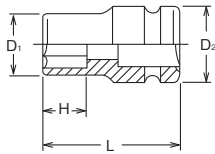
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE REPARACION

Impact Sockets **1/2"**

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

14401M • 14401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



14401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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=C41, Pin/O-Ring=A41/B41 → P268-269
*2 C-Ring=C42, Pin/O-Ring=A42/B42

14401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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
35	46.7	29	19	46	250	5	*2
36	48	29	20	46	264	5	*2
38	50.5	29	20	53	316	5	*2
41	54.2	29	21	55	374	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269
*2 C-Ring=C42, Pin/O-Ring=A42/B42

RS14401M/10

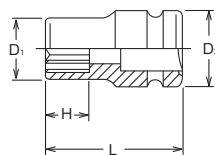
Socket Set on Rail
Juego de Vasos en Regleta



RS14401M/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,010

14406M • 14406A

12-point Sockets, Thin Walled
Vasos Bihexagonales de Pared Delgada



14406A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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=C41, Pin/O-Ring=A41/B41 → P268-269
*2 C-Ring=C42, Pin/O-Ring=A42/B42

14406M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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=C41, Pin/O-Ring=A41/B41 → P268-269
*2 C-Ring=C42, Pin/O-Ring=A42/B42

14401MS (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	24	4.5	23	41	10	*1
12	18	24	5.5	24	42	10	*1
13	19.2	24	6.5	25	43	10	*1
14	20.5	24	6.5	25	43	10	*1
15	21.7	29	7.5	26	70	10	*2
16	23	29	7.5	26	73	10	*2
17	24.2	29	7.5	26	76	10	*2
18	25.5	29	7.5	26	78	10	*2
19	26.7	29	9.5	28	79	10	*2
21	29.2	29	10	28.5	79	10	*2
22	30.5	29	10	28.5	84	10	*2
24	33	29	10	28.5	87	10	*2
27	36.7	29	10	28.5	100	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
 *2 C-Ring=C42, Pin/O-Ring=A42/B42

RS14401MS/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		740

14400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (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	8	38	165	10	*2

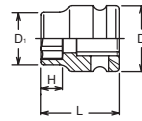
*1 C-Ring=C41, Pin/O-Ring=A41/B41
 *2 C-Ring=C42, Pin/O-Ring=A42/B42

14410M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
23	33.2	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=C41, Pin/O-Ring=A41/B41
 *2 C-Ring=C42, Pin/O-Ring=A42/B42



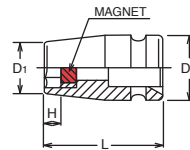
14401MS 6-point Short Sockets, Thin-walled. Vasos Hexagonales de Pared Delgada, Short



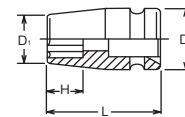
RS14401MS/10 Socket Set on Rail Juego de Vasos en Regleta



14400MG 6-point Sockets with Magnet Vasos Hexagonales con Imán



14410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE

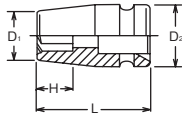
Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

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.

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

Z-SERIES
HAND MANUALES
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

14465M Pathfinder Sockets Vasos Pathfinder (Guía)



PATHFINDER®

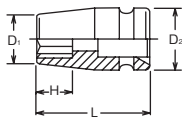
The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

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 automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.

14465M (mm)	D ₁ (mm)	D ₂ (mm)	H (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=C41, Pin/O-Ring=A41/B41 → P268-269
*2 C-Ring=C42, Pin/O-Ring=A42/B42

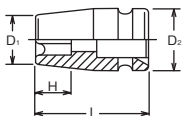
14415M Double Square Sockets Vasos Octogonales



14415M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
29	49.5	30	17	46	326	5	*2

*1 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

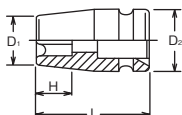
14425 TORX® Sockets Vasos TORX®



14425 (E)	D ₁ (mm)	D ₂ (mm)	H (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=C41, Pin/O-Ring=A41/B41 → P268-269
*2 C-Ring=C42, Pin/O-Ring=A42/B42

14425-EPL TORXPLUS® Sockets Vasos TORXPLUS®



14425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	H (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	40	90	10	*1
20EPL	24.5	30	11.2	42	135	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269
*2 C-Ring=C42, Pin/O-Ring=A42/B42

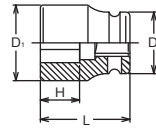
14400-WN	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8WN	18.3	25	8	38	93	10	*1
9WN	19.5	25	9	38	93	10	*1
10WN	20.8	25	10	38	92	10	*1
12WN	24.5	30	12	38	139	10	*2
14WN	27	30	14	38	136	10	*2
17WN	32	30	17	40	150	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14400-WN Weld Nut Sockets



WN



WN		6WN	8WN	9WN	10WN	12WN	14WN	17WN
S	(ref. mm)	6	8	9	10	12	14	17

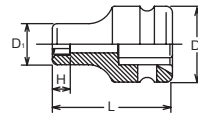
14401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6S	13	25	5.6	38	65	10	*1
8S	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
14S	25.5	30	10.4	38	121	10	*2
16S	29.2	30	11.6	38	128	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

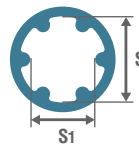
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14401LH LHS Sockets Vasos LHS



LHSTIX®



LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S ₁	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S ₂	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

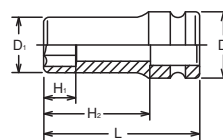
14301X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	42	60	72	10	*1
9	14.2	24	9	42	60	75	10	*1
10	15.5	24	10	42	60	79	10	*1
11	16.7	24	11	42	60	82	10	*1
12	18	24	12	42	60	88	10	*1
13	19.2	24	13	42	60	92	10	*1
14	20.5	24	14	42	60	97	10	*1
15	21.7	29	15	42	60	125	10	*2
16	23	29	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
25	34.2	29	25	44	65	210	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
33	44.2	29	33	44	65	318	2	*2
34	45.5	29	34	44	65	330	2	*2
36	48	29	36	44	65	350	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14301X 6-point Sockets, Semi-Deep Vasos Hexagonales Madianos de pared Delgada



RS14301X/10 Socket Set on Rail Juego de Vasos en Regleta



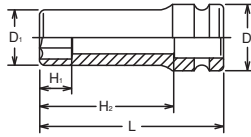
RS14301X/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,585



Z-SERIES
HAND
MANUALES
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

Impact Sockets 1/2"

14300M • 14300A 6-point Deep Sockets Vasos Hexagonales Largos



14300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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	366	10	*2
1. 1/8	40.7	30	29	63	85	401	10	*2
1. 3/16	42	30	30	63	85	421	10	*2
1. 1/4	44.5	30	32	63	85	458	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=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

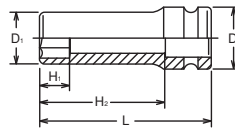


14300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
9	15.7	25	9	62	80	138	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	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	366	10	*2
28	39.5	30	28	64	85	387	10	*2
29	40.7	30	29	63	85	401	10	*2
30	42	30	30	63	85	421	10	*2
31	43.2	30	31	63	85	437	10	*2
32	44.5	30	32	63	85	458	10	*2
33	45.7	30	33	62	85	479	2	*2
34	47	30	33	62	85	496	2	*2
35	48.2	30	35	62	85	509	2	*2
36	49.5	30	36	61	85	534	2	*2
38	52	30	38	60	85	591	2	*2
41	55.7	30	38	60	85	625	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14301M • 14301A 6-point Deep Sockets, Thin-walled Vasos Hexagonales Largos de Pared Delgada



14301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
New 5/16	13	24	8	62	80	87	10	*1
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
New 1	34.2	29	25	65	85	282	10	*2
1. 1/16	36.7	29	27	64	85	314	10	*2
1. 1/8	39.2	29	29	63	85	349	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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	300	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
38	50.5	29	38	61	85	508	2	*2
41	54.2	29	38	60	85	552	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

14305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	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	30	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	457	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
36	49.5	30	36	61	85	635	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42



14306M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	88	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	105	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
26	35.5	29	26	64	85	290	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=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42



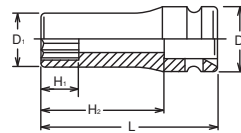
14310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
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
23	33.2	30	23	65	85	300	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
28	39.5	30	28	64	85	390	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=C41, Pin/O-Ring=A41/B41

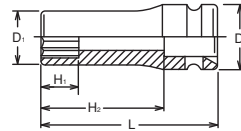
*2 C-Ring=C42, Pin/O-Ring=A42/B42



14305M 12-point Deep Sockets Vasos Bihexagonales Largos



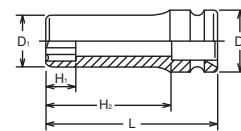
14306M 12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada



14310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



SURFACE DRIVE



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

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

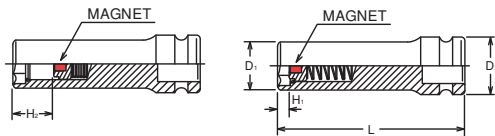
Impact Sockets 1/2"

Z-SERIES
HAND MANUALES
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

14300G



Impact Socket with Sliding Magnet
Vasos de Impacto con Imán Corredizo



SLIDE MAGNET

14300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm) ^t	L (mm) ^t	(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
15	23.2	30	7	24	80	240	10	*2
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

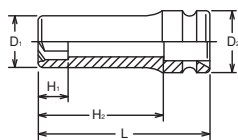
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

14365M



Pathfinder Sockets, Deep
Vasos Pathfinder (Guía) Largos



PATHFINDER®

14365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

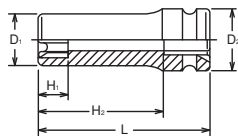
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

14325



TORX® Deep Sockets
Vasos TORX® Largos



14325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

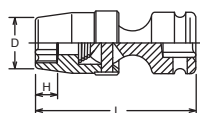
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

14440M • 14440A



Universal Sockets
Vasos con Articulación Universal



14440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
13	20.7	6	67.5	210	10	*2
14	22	7	69.5	210	10	*2
15	23.2	7	69.5	210	10	*2
16	24.5	8	69.5	206	10	*2
17	25.7	8	69.5	220	10	*2
18	27	9	69.5	218	10	*2
19	28.2	10	73.5	260	10	*2
20	29.5	10	73.5	270	10	*2
21	30.7	11	73.5	280	10	*2
22	32	13	73.5	290	10	*2
24	34.5	14	75.5	300	10	*2

14440A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	20.7	6	67.5	210	10	*2
9/16	22	7	69.5	210	10	*2
5/8	24.5	8	69.5	206	10	*2
11/16	25.7	8	69.5	220	10	*2
3/4	28.2	10	73.5	260	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

14012M.60 (mm)	D (mm)	H ₁ (mm)	H ₂ (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
16	30	15.5	38	60	180	10	*2
17	30	15.5	38	60	190	10	*2
18	30	15.5	38	60	200	10	*2
19	30	15.5	38	60	210	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

RS14012M/10-L60	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,300

14025.60 (T)	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=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P268-269

RS14025/6-L60	6 Pieces Set/Rail 200mm	(g)
T30, T40, T45, T50, T55, T60		650

14134	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14134	24	25	38	90	10	*1

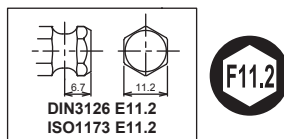
*1 C-Ring=C41, Pin/O-Ring=A41/B41

→ P268-269

13134-SC

Replacement Screw : M8x6, ● 4mm

For
DIN3126 / ISO1173 E11.2 Bits

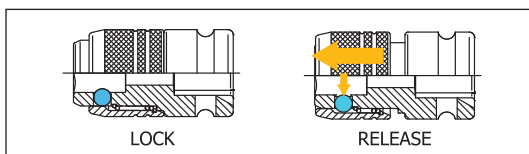
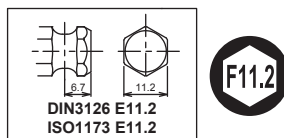


14142-F11.2	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14142-F11.2	18.9	25	46	207	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41

→ P268-269

For
DIN3126 / ISO1173 E11.2 Bits

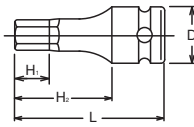


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

14012M-60



Inhex Sockets
Vasos Inhex



RS14012M/10-L60



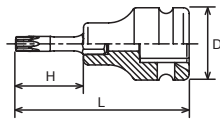
Socket Set on Rail
Juego de Vasos en Regleta



14025-60 · -100



TORX® Bit Sockets
Vasos con Punta TORX®



14025.100 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T30	25	73.5	100	85	10	*1
T40	25	73.5	100	95	10	*1
T45	25	73.5	100	102	10	*1
T50	25	73.5	100	120	10	*1
T55	25	73.5	100	155	10	*1
T60	30	73.5	100	220	10	*2

RS14025/6-L60



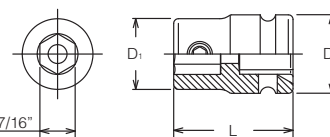
Socket Set on Rail
Juego de Vasos en Regleta



14134



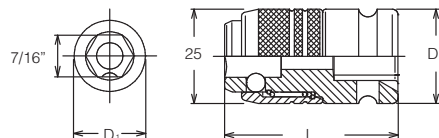
Impact Bit Holder
Porta-punta de Impacto



14142-F11.2



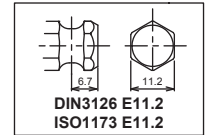
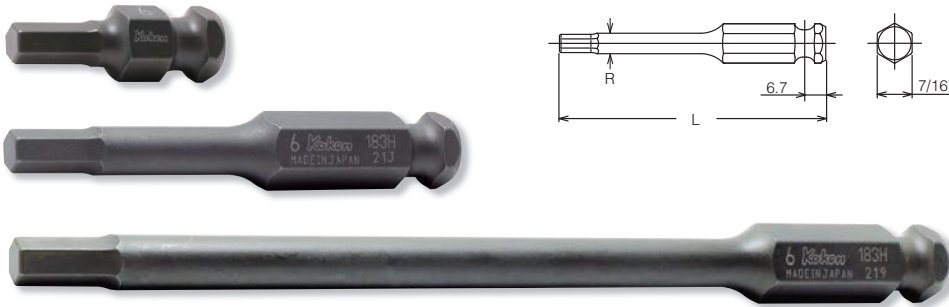
Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida)



Impact Sockets **1/2"**

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

183H-35 · -75 · -150 Hex Bits Puntas Hexagonales





183H.35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

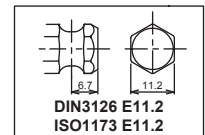
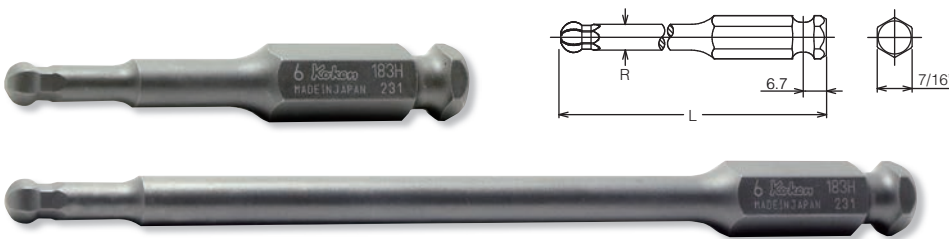
183H.35 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

183H.150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

 The items with  have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

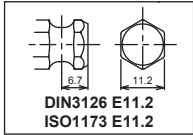
183H-75B · -150B Ball point Hex Bits Puntas Hexagonales con bola



183H.75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New 6B	75	5.7	39	10
New 8B	75	7.7	44	10
New 10B	75	9.7	49	10
New 12B	75	11.7	72	10

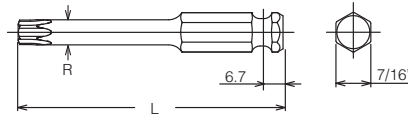
183H.150B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New 6B	150	5.7	65	10
New 8B	150	7.7	71	10
New 10B	150	9.7	92	10
New 12B	150	11.7	135	10

183T.35 (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	30	10
T60	35	38	10



183T-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®



183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10
T60	150	13.5	148	10

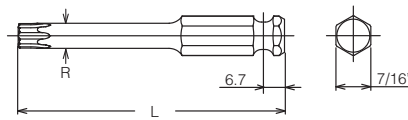
The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

183T.75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T25	75	6	33	10
T27	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T-35 · -75 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®

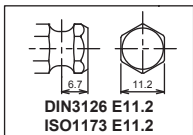
TORXplus



The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

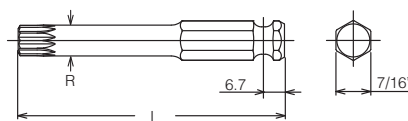
183T.35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T.75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10



183X-35 · -75 · -150 (XZN)

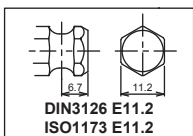
XZN Bits
Puntas XZN



183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
M14	150	13.5	151	10

The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10



183X-75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

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Z-SERIES
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SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HEADS/REPUESTO

Impact Sockets **1/2"**

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

14134M-58 · -98

Hex Bit Sockets
Vasos con Punta Hexagonal



14134M-58-98 (mm)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	Ⓢ
3	25	20	60	6	105	124	10	5	*1
4	25	20	60	6	105	125	10	5	*1
5	25	20	60	6.5	105	126	10	5	*1
6	25	20	60	7.5	108	129	10	5	*1
New 7	25	20	60	8.5	109	134	10	5	*1
8	25	20	60	9.5	110	137	10	5	*1
10	25	20	60	-	116	147	10	5	*1
12	25	20	60	-	120	155	10	5	*1
14	25	20	60	-	125	169	10	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14134T-58 · -98 (T)

TORX® Bit Sockets
Vasos con Punta TORX®



14134T-58-98 (T)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	Ⓢ
New T25	25	20	60	6	108	123	10	5	*1
T30	25	20	60	6	108	125	10	5	*1
T40	25	20	60	6.9	110	127	10	5	*1
T45	25	20	60	8	112	131	10	5	*1
T50	25	20	60	9	116	135	10	5	*1
T55	25	20	60	11.4	120	145	10	5	*1
T60	25	20	60	13.5	128	157	10	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14134T-58 · -98 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®



14134T-58-98 (IP)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	Ⓢ
30IP	25	20	60	6	108	125	10	5	*1
40IP	25	20	60	6.8	110	127	10	5	*1
45IP	25	20	60	8	112	131	10	5	*1
50IP	25	20	60	9	116	135	10	5	*1
55IP	25	20	60	11.4	120	146	10	5	*1
60IP	25	20	60	13.5	128	159	10	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14134X-58 · -98 (XZN)

XZN Bit Sockets
Vasos con Punta XZN



14134X-58-98 (XZN)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	Ⓢ
M 5	25	20	60	6	108	124	10	5	*1
M 6	25	20	60	6.2	110	126	10	5	*1
M 8	25	20	60	7.4	112	129	10	5	*1
M10	25	20	60	9.8	116	144	10	5	*1
M12	25	20	60	11.7	120	149	10	5	*1
M14	25	20	60	13.5	128	159	10	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269


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	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14106	28	30	43	160	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

14106-SC

 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.)
3/8	40	45	10
7/16	40	53	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	118	10
12	100	15	141	10
14	100	-	163	10
17	100	-	185	10
19	100	-	228	10
22	100	-	293	10



107.16 (T)	L (mm)	(g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

107.16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107.16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

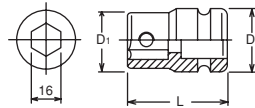
107.16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

 The items with  have larger output size than 16mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

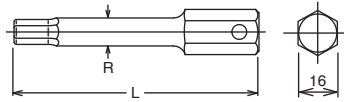
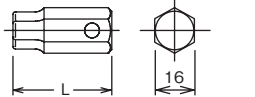
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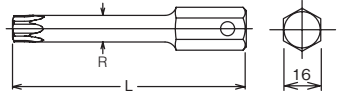
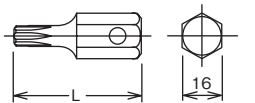
14106 Bit Holder for 107-16 Porta Punta



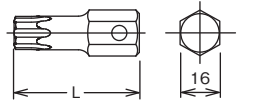
107-16 Bits for Inhex screws Puntas para Tornillos Inhex



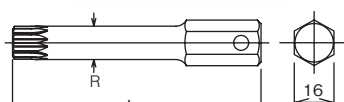
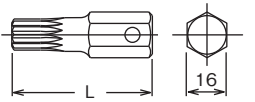
107-16 (T) TORX® Bits Puntas TORX®



107-16 (IP) TORXPLUS® Bits Puntas TORXPLUS®



107-16 (XZN) XZN Bits Puntas XZN



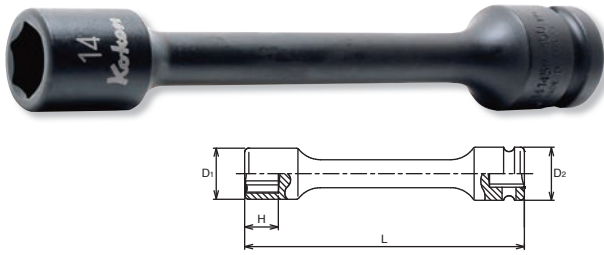
Z-SERIES
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RENEWAL KITS
JUEGOS DE HERRAMIENTAS

Impact Sockets 1/2"

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CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUSTO

14145M-100 · -150 · 200 · -250

Extra Long Sockets
Vasos Bihexagonales, Extra-Largos



14145M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (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=C41, Pin/O-Ring=A41/B41 → P268-269

14145M.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	100	155	1	*1
12	19.5	25	12	100	165	1	*1
14	22	25	14	100	180	1	*1
17	25.7	25	17	100	210	1	*1
19	28.2	25	19	100	230	1	*1

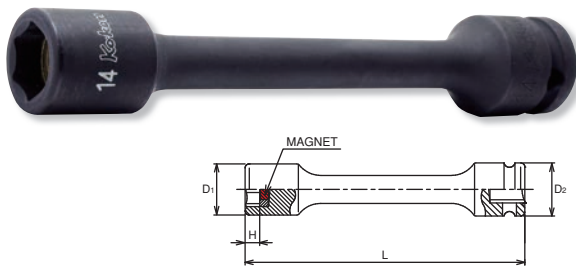
14145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

14145M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H (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=C41, Pin/O-Ring=A41/B41 → P268-269

14145MG-150 · -200

Extra Long Sockets with Magnet
Vasos Extra-Largos con Imán



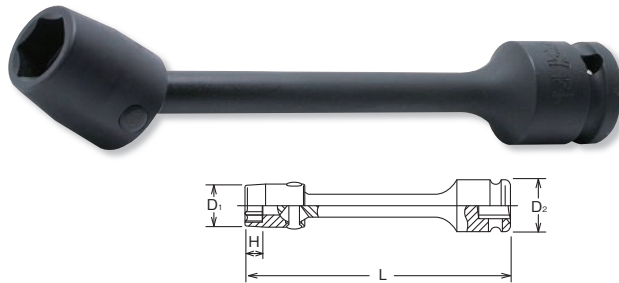
14145MG.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
New 10	17	25	4.2	150	195	1	*1
New 12	19.5	25	5.6	150	210	1	*1
New 14	22	25	6.4	150	230	1	*1
New 17	25.7	25	7.5	150	266	1	*1

14145MG.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
New 10	17	25	4.2	200	240	1	*1
New 12	19.5	25	5.6	200	254	1	*1
New 14	22	25	6.4	200	275	1	*1
New 17	25.7	25	7.5	200	313	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

14146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos con Articulación Universal Extra-Largos



14146M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (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=C41, Pin/O-Ring=A41/B41 → P268-269

14146M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (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)	H (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=C41, Pin/O-Ring=A41/B41 → P268-269

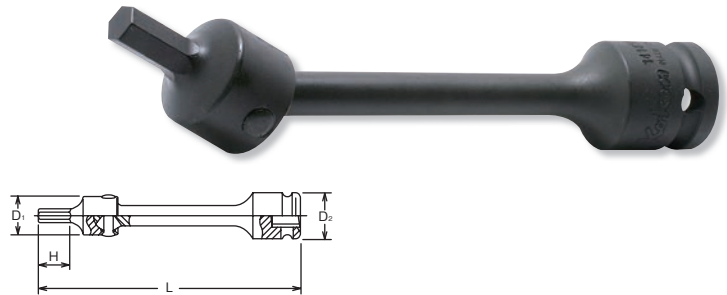
14147M-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

14147M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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=C41, Pin/O-Ring=A41/B41 → P268-269

14147M-150 · -200

Extra Long Universal Inhex Sockets
Vasos Inhex con Articulación Universal Extra-Largos



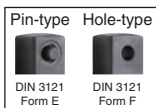
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
14760-50	Hole	30	50	150	10	*2
14760-75	Hole	30	75	188	10	*2
14760-100	Hole	30	100	240	10	*2
14760-125	Hole	30	125	275	5	*2
14760-150	Hole	30	150	300	5	*2
14760-175	Hole	30	175	358	5	*2
14760-200	Hole	30	200	405	5	*2
14760-250	Hole	30	250	480	1	*2
14760-300	Hole	30	300	560	1	*2

New

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
14760-50P	Pin	30	50	150	10	*2
14760-75P	Pin	30	75	188	10	*2
14760-100P	Pin	30	100	240	10	*2
14760-125P	Pin	30	125	275	5	*2
14760-150P	Pin	30	150	300	5	*2
14760-175P	Pin	30	175	358	5	*2
14760-200P	Pin	30	200	405	5	*2
14760-250P	Pin	30	250	480	1	*2
14760-300P	Pin	30	300	560	1	*2

New

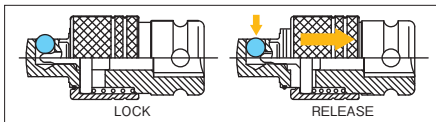
*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269



	L (mm)	(g)	(pcs.)	
14444AL	60	128	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

Lock & Quick Release



⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

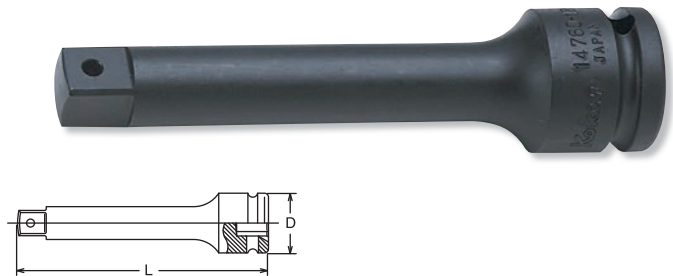
	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466AL	1/2"	3/4"	75	460	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

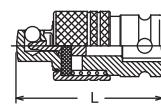
14760 14760-P

Extension Bars
Alargaderas



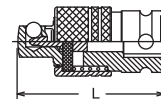
14444AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida) ⚠



14466AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida) ⚠

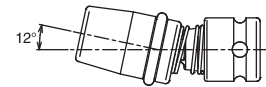
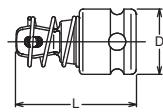


Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS/REPLUSTO

Impact Sockets 1/2"

Z-SERIES
HAND MANUALES
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

14444WA Universal Adaptor ⚠

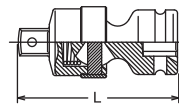


	D (mm)	L (mm)	(g)	(pcs.)	
14444WA	25	47	83	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

⚠ It is strongly recommended that a torque control device be utilized in applications involving the 13333WA and 14444WA adaptors as the reduced square drive design decreases the overall torque ratings.

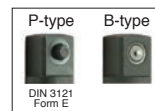
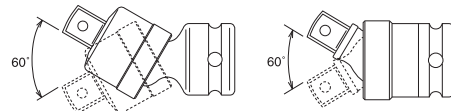
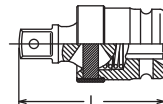
14770 Universal Joint Articulación Universal



	TYPE	L (mm)	(g)	(pcs.)	
14770	Hole	74	210	5	*2
14770-B	Ball	74	210	5	*2
14770-P	Pin	74	210	5	*2
14771	Hole	65	198	5	*2
14771-B	Ball	65	198	5	*2
14771-P	Pin	65	198	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

14771 Universal Joint Articulación Universal



14772 Universal Double Joint Articulación Universal ⚠

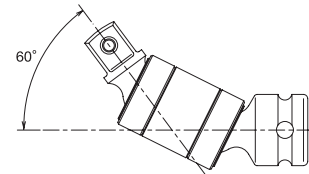
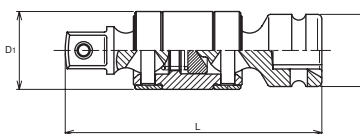


UNIVERSAL DOUBLE JOINT

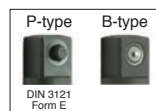
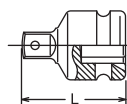
	TYPE	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14772-B	Ball	27	25	90	230	5	*1
14772-P	Pin	27	25	90	230	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

⚠ 13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.



14433A Adaptor Adaptador ⚠

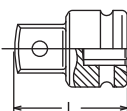


	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14433A	Hole	1/2"	3/8"	37.5	68	10	*1
14433A-B	Ball	1/2"	3/8"	37.5	68	10	*1
14433A-P	Pin	1/2"	3/8"	37.5	68	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

⚠ 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.

14455A Adaptor Adaptador




	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14455A	Hole	1/2"	5/8"	42	135	10	*2

	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466A	Hole	1/2"	3/4"	44	146	10	*2
14466A-B	Ball	1/2"	3/4"	44	146	10	*2


*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

1/2" Impact Sockets

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





14207M  Socket Set
Juego de Vasos



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





14208M  Socket Set
Juego de Vasos



14209M	10 Pieces Set/△=830g
METAL CASE: W190xH59xT45mm	
Bits	Bit Holder
 183H.35 Hex Bits 5, 6, 8, 10	 14134 Bit Holder
 107.16 Hex Bits 12, 14, 17, 19	 14106 Bit Holder





14209M  Socket Set
Juego de Vasos



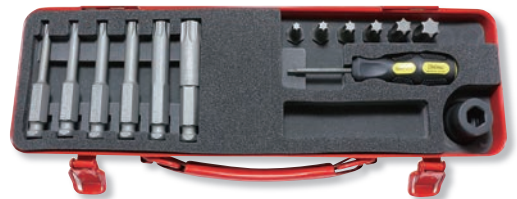
14210M	18 Pieces Set/△=1,250g
METAL CASE: W310xH90xT48mm	
Bits	Bit Holder
 183H.35 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	 14134 Bit Holder
 183H.75 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	 168H-4 (40) Screwdriver





14210M  Socket Set
Juego de Vasos



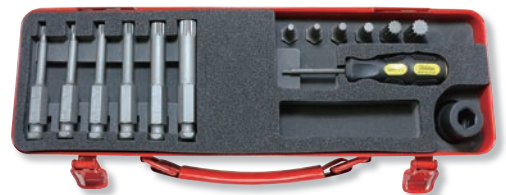
14210T	14 Pieces Set/△=1,080g
METAL CASE: W310xH90xT48mm	
Bits	Bit Holder
 183T.35 TORX® Bits T30, T40, T45, T50, T55, T60	 14134 Bit Holder
 183T.75 TORX® Bits T30, T40, T45, T50, T55, T60	 168H-4 (40) Screwdriver

14210T  Socket Set
Juego de Vasos



14210X	14 Pieces Set/△=1,040g
METAL CASE: W310xH90xT48mm	
Bits	Bit Holder
 183X.35 XZN Bits M4, M5, M6, M8, M10, M12	 14134 Bit Holder
 183X.75 XZN Bits M4, M5, M6, M8, M10, M12	 168H-4 (40) Screwdriver

14210X  Socket Set
Juego de Vasos



Impact Sockets **1/2"**

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

14241M 14241M-05

Socket Set Juego de Vasos



14241A 14241A-05

Socket Set Juego de Vasos



14242M

Socket Set Juego de Vasos



14245M-6P 14245M-12P

Socket Set Juego de Vasos



S14240M

Display Stand Expositor



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

New 14241A 12 Pieces Set/△=2,050g
METAL CASE:W196xH100xT45mm
Sockets

14400A 6-pt. Sockets
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/8

New 14241A-05 12 Pieces Set/△=2,050g
METAL CASE:W196xH100xT45mm
Sockets

14405A 12-pt. Sockets
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1.1/8

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-6P 18 Pieces Set/△=2,250g
METAL CASE:W310xH90xT48mm

Sockets
14400M 6-pt.Sockets
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27

Accessories
14760-125
14770
A41, A42
B41, B42

14245M-12P 18 Pieces Set/△=2,250g
METAL CASE:W310xH90xT48mm

Sockets
14405M 12-pt. Sockets
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27

Accessories
14760-125
14770
A41, A42
B41, B42

S14240M 14400M 98 Pieces Set/△=13,690g
DISPLAY STAND:W510xH150xT230mm

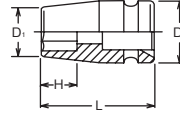
10mm:8pcs	15mm:7pcs	22mm:6pcs
11mm:8pcs	16mm:7pcs	23mm:6pcs
12mm:8pcs	17mm:7pcs	24mm:6pcs
13mm:8pcs	19mm:7pcs	27mm:5pcs
14mm:8pcs	21mm:7pcs	

15400M (mm)	D ₁ (mm)	D ₂ (mm)	H (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=C51A/C51B → P269



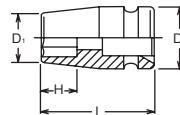
15400M 6-point Sockets Vasos Hexagonales



15400A (inch)	D ₁ (mm)	D ₂ (mm)	H (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=C51A/C51B → P269

15400A 6-point Sockets Vasos Hexagonales

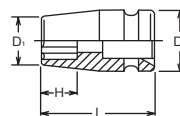


15410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

*1 Pin/O-Ring=C51A/C51B → P269



15410M 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

Z-SERIES
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INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Impact Sockets **5/8"**

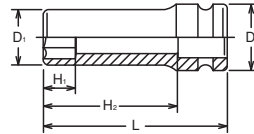
Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUSTO

15300M 6-point Deep Sockets Vasos Hexagonales Largos



15300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	
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=C51A/C51B → P269

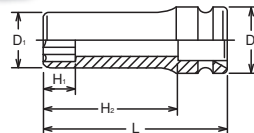


15310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos

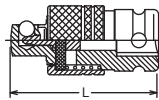


15310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=C51A/C51B → P269



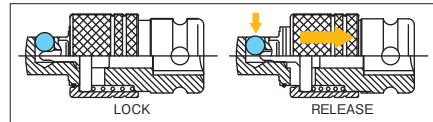
15555AL Adaptor (Quick Release) Adaptador (Extracción Rápida) ⚠



	L (mm)	(g)	(pce.)	
15555AL	70	310	1	*1

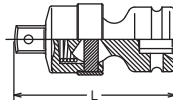
*1 Pin/O-Ring=C51A/C51B → P269

Lock & Quick Release



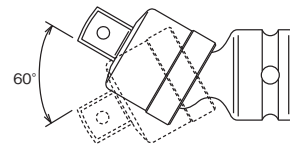
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

15770 Universal Joint Articulación Universal

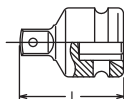


	L (mm)	(g)	(pce.)	
15770	88	420	1	*1

*1 Pin/O-Ring=C51A/C51B → P269



15544A Adaptor Adaptador ⚠

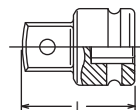


	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15544A	5/8"	1/2"	46	165	1	*1
15544A-P	5/8"	1/2"	46	165	1	*1

*1 Pin/O-Ring=C51A/C51B → P269

⚠ 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.

15566A Adaptor Adaptador



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15566A	5/8"	3/4"	48	200	1	*1

*1 Pin/O-Ring=C51A/C51B → P269

3/4" Impact Sockets

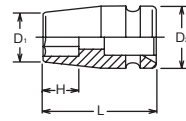
16400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	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=C61, Pin/O-Ring=A61/B61
 *2 C-Ring=C81, Pin/O-Ring=A62/B62
 → P268-269



16400M • 16400A

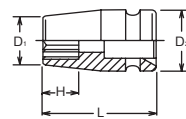
6-point Sockets
 Vasos Hexagonales



16400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/8	28.8	44	11	50	366	5	*1
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



16405M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
35	52.5	44	20	55	494	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=C61, Pin/O-Ring=A61/B61
 *2 C-Ring=C81, Pin/O-Ring=A62/B62
 → P268-269

16405A (inch)	D ₁ (mm)	D ₂ (mm)	H (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

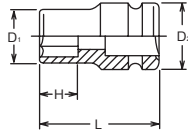
Z-SERIES
 HAND
 MANUALES
 TITANIUM
 DE TITANIO
 ACCESSORIES
 ACCESORIOS
 SCREWDRIVERS
 DESTORNILLADORES
 IMPACT
 DE IMPACTO
 SLEEVE-DRIVE
 INDUSTRIAL
 INDUSTRIALES
 PROTECTOR
 PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION
 CONSTRUCCION
 RENEWAL KITS
 JUEGOS DE HERRAMIENTAS

Impact Sockets **3/4"**

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

16401M • 16401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



16401A (inch)	D ₁ (mm)	D ₂ (mm)	H (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. 7/8	66.8	53	23	62	868	2	*2

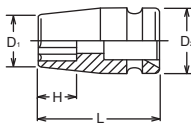
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⊕
New 16	26.8	43	11	50	290	5	*1
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
New 39	55.5	43	20	57	525	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
43	60.5	43	23	62	662	2	*1
44	61.8	43	23	62	670	2	*1
45	63	43	23	62	700	2	*1
46	64.3	43	23	62	710	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



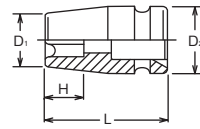
16410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⊕
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
24	38.8	44	16	50	370	5	*1
27	42.5	44	16	50	375	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
36	53.8	44	20	55	498	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

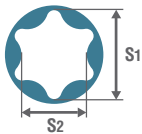
16425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1
E30	38.8	44	25.2	60	480	5	*1
E32	41.3	44	25.2	60	480	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16425 TORX® Sockets Vasos TORX®



TORX® (E)

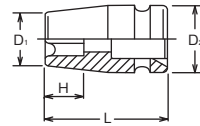


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

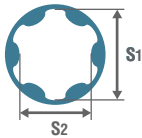
16425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	55	427	5	*1
26EPL	35	44	14.2	60	467	5	*1
28EPL	36.3	44	15.2	60	467	5	*1
30EPL	38.8	44	16.1	60	472	5	*1
32EPL	40	44	16.1	62	488	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16425-EPL TORXPLUS® Sockets Vasos TORXPLUS®



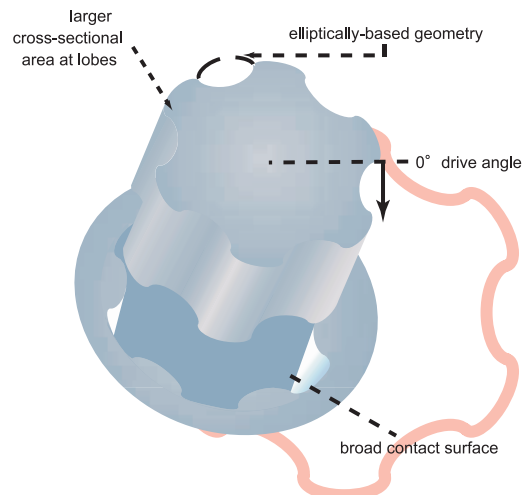
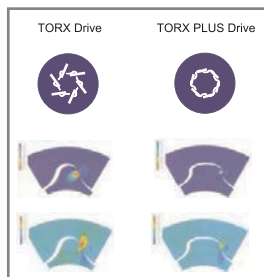
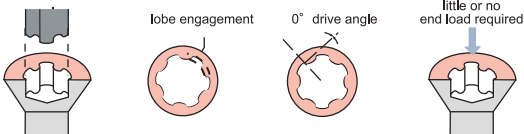
TORXplus® (EP/EPL)



EP/EPL	8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S ₁ (ref. mm)	7.4	9.3	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	5.3	6.8	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3



TORXplus®



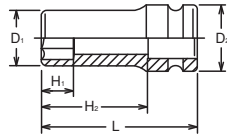
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 TORXplus is a registered trademark of CAMCAR Innovations.
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Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
DESTORNILLADORES
SCREWDRIVERS
DE IMPACTO
IMPACT
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

Impact Sockets 3/4"

Z-SERIES
HAND MANUALES
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

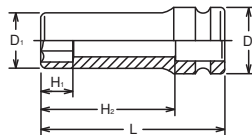
16301X 6-point Semi-Deep Sockets, Thin Walled Vasos Hexagonales Medianos de Pared Delgada



16301X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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=C61, Pin/O-Ring=A61/B61 → P268-269

16300M • 16300A 6-point Sockets, Deep Vasos Hexagonales Largos



16300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
14	26.3	44	14	74	100	497	2	*1
16	28.8	44	16	74	100	524	2	*1
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
39	57.5	44	38	70	100	1040	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
44	63.8	44	38	68	100	1220	2	*1
46	66.3	44	38	68	100	1305	2	*1
48	68.8	54	38	68	100	1480	2	*2
50	71.3	54	61	—	100	1469	2	*2
55	77.5	54	59	—	100	1620	2	*2
60	83.8	54	56	—	100	1835	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 C-Ring=C81, Pin/O-Ring=A62/B62 → P268-269

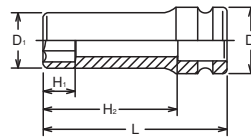
16300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
3/4	32.5	44	19	74	100	655	2	*1
13/16	35	44	21	74	100	700	2	*1
7/8	36.3	44	22	74	100	700	2	*1
15/16	38.8	44	24	74	100	705	2	*1
1	40	44	25	74	100	715	2	*1
1. 1/16	42.5	44	27	73	100	765	2	*1
1. 1/8	45	44	29	73	100	835	2	*1
1. 3/16	46.3	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=C61, Pin/O-Ring=A61/B61

*2 C-Ring=C81, Pin/O-Ring=A62/B62 → P268-269

16301M • 16301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada



16301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
16	26.8	43	16	74	100	435	2	*1
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
39	55.5	43	38	70	100	908	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
50	69.2	53	62	-	100	1328	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 C-Ring=C81, Pin/O-Ring=A62/B62



16301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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. 5/16	49.3	43	34	72	100	790	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=C61, Pin/O-Ring=A61/B61



16305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
14	26.3	44	14	74	100	500	2	*1
16	28.8	44	16	74	100	522	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	600	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
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
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
50	71.3	54	61	-	100	1469	2	*2

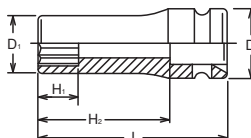
*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 C-Ring=C81, Pin/O-Ring=A62/B62



16305M

12-point Sockets, Deep
Vasos Bihexagonales Largos

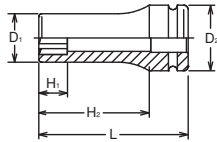



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CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

Impact Sockets **3/4"**

Z-SERIES
HAND MANUALES
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

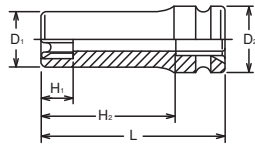
16310M Surface Drive Sockets, deep Vasos Surface Drive (de Contacto Curvo) Largos




16310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
15	27.5	44	15	74	100	500	2	*1
16	28.8	44	16	74	100	524	2	*1
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
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
24	38.8	44	24	74	100	705	2	*1
27	42.5	44	27	73	100	710	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
36	53.8	44	34	71	100	960	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

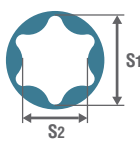
16325 TORX® Deep Sockets Vasos TORX® Largos



16325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
E26	35	44	18.8	74	100	660	2	*1
E28	36.3	44	25.2	74	100	670	2	*1
E30	38.8	44	25.2	75	100	730	2	*1
E32	41.3	44	25.2	75	100	777	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

TORX® (E)




E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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=C61, Pin/O-Ring=A61/B61 → P268-269

The items with  have larger output size than 16mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

16106.16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T55	44	34	86	427	2	*1
T60	44	34	86	434	2	*1
T70	44	34	86	443	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16106.16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
M14	44	44	96	453	2	*1
M16	44	44	96	463	2	*1
M18	44	44	96	473	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

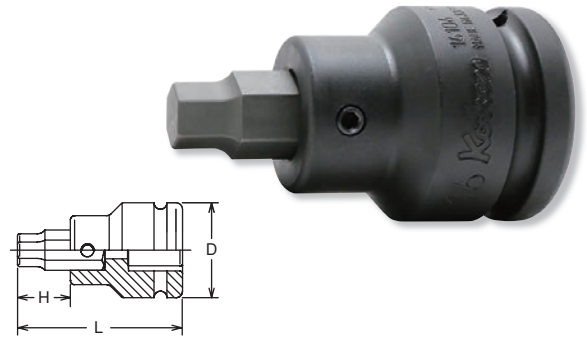
16106	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16106	32	44	16	52	370	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

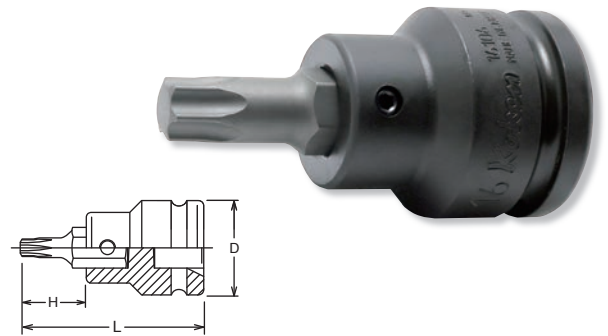
16106-SC

 Replacement Screw : M6x10,  3mm

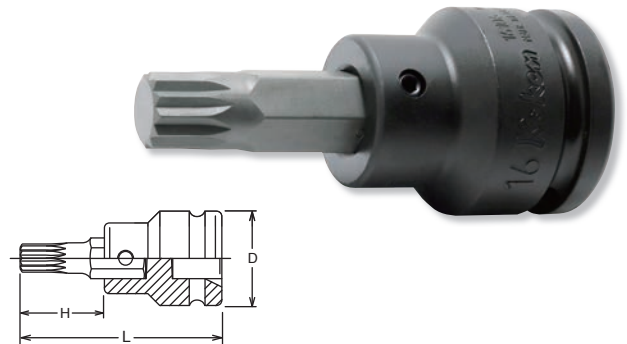
16106-16 Hex Bit Sockets Vasos con Punta Hexagonal



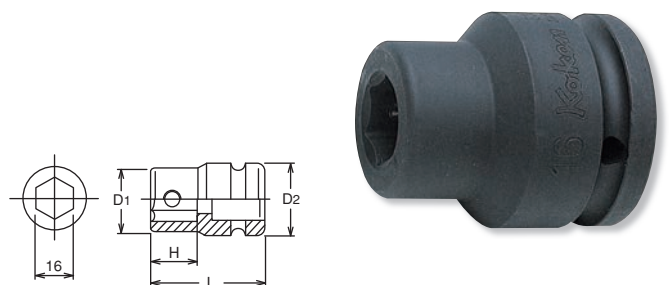
16106-16(T) TORX® Bit Sockets Vasos con Punta TORX®



16106-16(XZN) XZN Bit Sockets Vasos con Punta XZN



16106 Bit Holder, For 107-16 Porta Punta

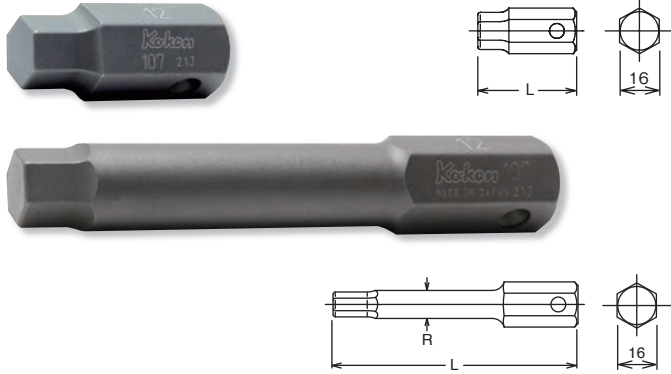


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JUEGOS DE PIEZAS REPUESTO

Impact Sockets **3/4"**

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RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO



107-16 Bits for Inhex Screws Puntas para Tornillos Inhex



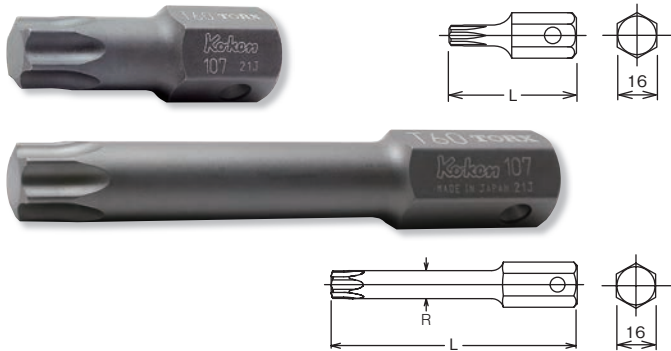
107.16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107.16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
7/16	40	53	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	118	10
12	100	15	141	10
14	100	-	163	10
17	100	-	185	10
19	100	-	228	10
22	100	-	293	10

 The items with  have larger output size than 16mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

107-16 (T) TORX® Bits Puntas TORX®



107.16 (T)	L (mm)	(g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

107-16 (IP) TORXPLUS® Bits Puntas TORXPLUS®



107.16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
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

107.16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

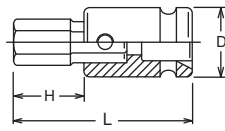
TORX is a registered trademark of CAMCAR Innovations.
TORX es una marca registrada de CAMCAR Innovations.
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16107.22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚠
19	44	28	88	670	2	*1
22	44	28	88	692	2	*1
24	44	28	88	706	2	*1 ⚠
27	44	28	88	730	2	*1 ⚠
30	44	28	88	757	2	*1 ⚠
32	44	28	93	783	2	*1 ⚠

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

⚠ The items with ⚠ have larger output size than 22mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

16107-22 Hex Bit Sockets Vasos con Punta Hexagonal



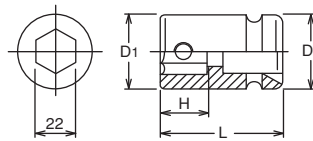
16107	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚠
16107	44	44	22	60	530	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

16107-SC

Replacement Screw : M8x14, 4mm

16107 Bit Holder Porta Punta



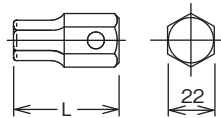
107.22 (mm)	L (mm)	(g)	(pcs.)	⚠
17	50	120	10	
19	50	140	10	
22	50	162	10	
24	50	176	10	⚠
27	50	200	10	⚠
30	50	227	10	⚠
32	55	243	10	⚠

107.22 (inch)	L (mm)	(g)	(pcs.)	⚠
5/8	50	120	10	
3/4	50	140	10	
7/8	50	162	10	
1	50	190	10	⚠
1. 1/4	55	243	10	⚠

107.22(L140) (mm)	L (mm)	(g)	(pcs.)	⚠
17	140	431	5	
19	140	441	5	
22	140	460	5	
24	140	513	5	⚠

⚠ The items with ⚠ have larger output size than 22mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

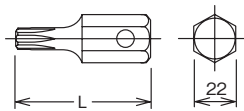
107-22 Bits for Inhex Screws Puntas para Tornillos Inhex



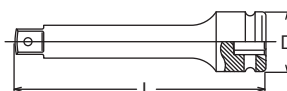
107.22 (T)	L (mm)	(g)	(pcs.)	⚠
T 70	60	129	10	
T 80	60	141	10	
T 90	60	155	10	
T100	60	170	10	

107.22(L140) (T)	L (mm)	(g)	(pcs.)	⚠
T 70	140	395	5	
T 80	140	407	5	
T 90	140	420	5	
T100	140	434	5	

107-22 (T) TORX® Bits Puntas TORX®



16760 Extension Bars Alargaderas



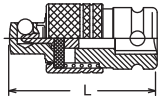
	D (mm)	L (mm)	(g)	(pce.)	⚠
16760-150	44	150	775	1	*1
16760-175	44	175	870	1	*1
16760-200	44	200	955	1	*1
16760-250	44	250	1150	1	*1
16760-330	44	330	1460	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

Impact Sockets 3/4"

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IMPACT DE IMPACTO
SLEEVE-DRIVE
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PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

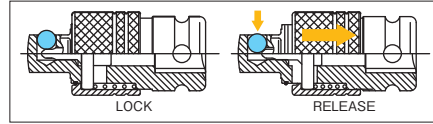
16666AL Adaptor (Quick Release) Adaptador (Extracción Rápida) ⚠



	L (mm)	(g)	(pcs.)	
16666AL	75	660	2	*1

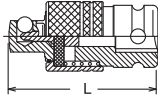
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

Lock & Quick Release



⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

16644AL Adaptor (Quick Release) Adaptador (Extracción Rápida) No Warranty Sin Garantía ⚠

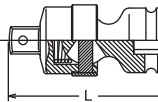


	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16644AL	3/4"	1/2"	70	240	2	*1

*1 Pin/O-Ring=A51/B51 → P269

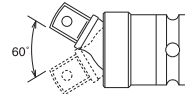
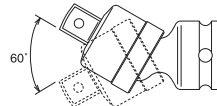
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

16770 Universal Joint Articulación Universal

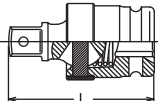


	L (mm)	(g)	(pce.)	
16770	106	790	1	*1
16771	95	720	1	*1

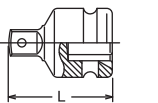
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269



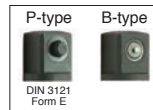
16771 Universal Joint Articulación Universal



16644A • 16655A Adaptors Adaptadores No Warranty Sin Garantía ⚠



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16644A	Hole	3/4"	1/2"	54	310	5	*1
16644A-B	Ball	3/4"	1/2"	54	310	5	*1
16644A-P	Pin	3/4"	1/2"	54	310	5	*1

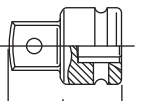


	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16655A	3/4"	5/8"	55.5	336	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

⚠ 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.

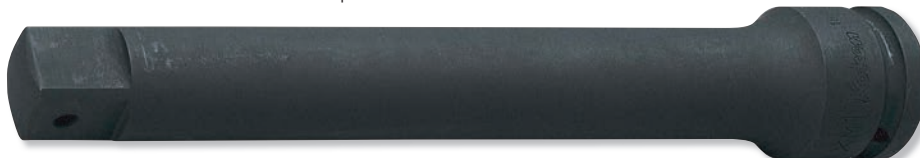
16688A Adaptor Adaptador



	(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=C61, Pin/O-Ring=A61/B61 → P268-269


16688A-250 • -330 Adaptors Adaptadores



16201M • 16201A Socket Sets Juegos de Vasos





16201M	13 Pieces Set/△=6,800g
METAL CASE:W320xH110xT70mm	
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:W290xH120xT70mm	
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 Sockets Sets Juegos de Vasos






16201M-01	13 Pieces Set/△=6,000g
METAL CASE:W320xH110xT70mm	
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:W290xH120xT70mm	
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

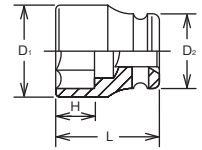


16245M	17 Pieces Set/△=12,000g
METAL CASE:W580xH124xT70mm	
Sockets	Accessories
 16400M 6-pt. Sockets	 16760-175
19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	 16760-330

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

18400M • 18400A

6-point Sockets
Vasos Hexagonales



18400M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
20	36.5	54	14	57	595	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	66	36	70	1235	2	*2
48	71.5	66	35	70	1228	2	*2
50	74	66	35	70	1302	2	*2
52	76.5	66	40	75	1423	2	*2
54	79	66	40	75	1492	2	*2
55	80.3	66	39	75	1501	2	*2
56	81.5	66	39	75	1520	2	*2
58	84	66	39	75	1586	2	*2
60	86.5	66	39	75	1651	2	*2
62	89	66	38	75	1685	2	*2
63	90.3	66	38	75	1661	2	*2
65	92.8	66	38	75	1915	2	*2
67	95.3	66	38	75	1872	2	*2
68	96.5	66	37	75	1877	1	*2
70	99	66	37	75	1944	1	*2
75	105.3	86	37	80	2675	1	*3
80	111.5	86	41	85	2996	1	*3
85	117.8	86	37	90	3378	1	*3
90	124	86	40	95	3871	1	*3
95	130.3	86	43	100	4500	1	*3
100	136.5	86	47	105	5000	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

*3 C-Ring=C83, Pin/O-Ring=A83/B83



18400A (inch)	D ₁ (mm)	D ₂ (mm)	H (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. 3/32	46.5	54	16	57	642	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. 9/32	52.8	54	21	62	692	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
1.15/32	57.8	54	21	62	730	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	66	35	70	1228	2	*2
1.15/16	72.8	66	35	70	1238	2	*2
2	75.3	66	35	70	1297	2	*2
2. 1/16	76.5	66	40	75	1423	2	*2
2. 1/8	79	66	40	75	1492	2	*2
2. 3/16	80.3	66	39	75	1501	2	*2
2. 1/4	82.8	66	39	75	1583	2	*2
2. 5/16	84	66	39	75	1586	2	*2
2. 3/8	86.5	66	39	75	1651	2	*2
2. 7/16	89	66	38	75	1685	2	*2
2. 1/2	91.5	66	38	75	1780	2	*2
2. 9/16	92.8	66	38	75	1915	2	*2
2. 5/8	95.3	66	38	75	1872	2	*2
2.11/16	96.5	66	37	75	1877	1	*2
2. 3/4	99	66	37	75	1944	1	*2
2.13/16	101.5	86	37	80	2705	1	*3
2. 7/8	102.8	86	38	80	2629	1	*3
2.15/16	105.3	86	37	80	2675	1	*3
3	106.5	86	37	80	2705	1	*3
3. 1/16	109	86	42	85	2967	1	*3
3. 1/8	111.5	86	41	85	2996	1	*3
3. 1/4	115.3	86	44	90	3328	1	*3
3. 3/8	119	86	36	90	3389	1	*3
3. 1/2	124	86	40	95	3871	1	*3
3. 3/4	130.3	86	43	100	4377	1	*3
4	137.8	86	46	105	5152	1	*3

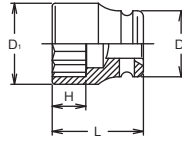
*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

*3 C-Ring=C83, Pin/O-Ring=A83/B83



18405M • 18405A 12-point Sockets Vasos Bihexagonales



18405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 24	41.5	54	16	57	600	2	*1
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
41	62.8	54	25	66	905	2	*1
46	69	54	29	70	990	2	*1
50	74	66	35	70	1258	2	*2
55	80.3	66	39	75	1475	2	*2
56	81.5	66	39	75	1493	2	*2
60	86.5	66	39	75	1621	2	*2
65	92.8	66	38	75	1885	2	*2
New 70	99	66	37	75	1944	1	*2
New 75	105.3	86	37	80	2675	1	*3
New 80	111.5	86	41	85	2996	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P268-269

18405A (inch)	D ₁ (mm)	D ₂ (mm)	H (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	66	35	70	1208	2	*2

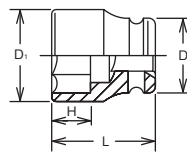
*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P268-269



18401M • 18401A 6-point Sockets, Thin Walled Vasos Hexagonales de Pared Delgada



18401M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
47	67.3	65	29	70	1153	2	*2
50	71	65	35	70	1235	2	*2

18401A (inch)	D ₁ (mm)	D ₂ (mm)	H (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=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

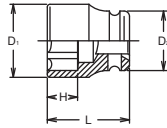
→ P268-269

Z-SERIES
HAND MANUALES
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

18410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



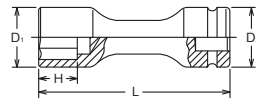
SURFACE DRIVE



18410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 19	35.3	54	13	57	570	2	*1
New 22	39	54	15	57	620	2	*1
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	627	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	685	2	*1
36	56.5	54	21	62	712	2	*1
41	62.8	54	25	66	850	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

18104M Extra Long Sockets Vasos Extra-Largos



18104M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	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
36	56.5	54	36	170	1800	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



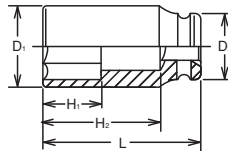
18301X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	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	65	55	-	85	1458	2	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81
 *2 C-Ring=C82, Pin/O-Ring=A82/B82 → P268-269



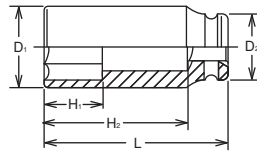
18301X

6-point Semi-Deep Sockets, Thin Walled
 Vasos Hexagonales Medianos de Pared Delgada



18300M · 18300A

6-point Sockets, Deep
 Vasos Hexagonales Largos



18300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
New 17	32.8	54	17	77	108	978	2	*1
19	35.3	54	19	77	108	1010	2	*1
New 20	36.5	54	20	77	108	1010	2	*1
21	37.8	54	21	77	108	1010	2	*1
22	39	54	22	77	108	1010	2	*1
23	40.3	54	23	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	66	67	-	108	1729	2	*2
50	74	66	66	-	108	1879	2	*2
52	76.5	66	65	-	108	2000	2	*2
55	80.3	66	63	-	108	2088	2	*2
60	86.5	66	60	-	108	2290	2	*2
65	92.8	66	58	-	108	2643	2	*2
70	99	66	55	-	108	2792	1	*2
75	105.3	86	52	-	108	3646	1	*3
80	111.5	86	49	-	108	4039	1	*3
85	117.8	86	59	-	108	4000	1	*3
90	124	86	57	-	108	4200	1	*3
95	130.3	86	55	-	108	4400	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81
 *2 C-Ring=C82, Pin/O-Ring=A82/B82 → P268-269
 *3 C-Ring=C83, Pin/O-Ring=A83/B83

18300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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	66	67	-	108	1729	2	*2
1.15/16	72.8	66	67	-	108	1799	2	*2
2	75.3	66	66	-	108	1834	2	*2
2. 1/16	76.5	66	65	-	108	2000	2	*2
2. 1/8	79	66	64	-	108	2044	2	*2
2. 3/16	80.3	66	63	-	108	2088	2	*2
2. 1/4	82.8	66	62	-	108	2153	2	*2
2. 5/16	84	66	61	-	108	2225	2	*2
2. 3/8	86.5	66	60	-	108	2290	2	*2
2. 7/16	89	66	59	-	108	2364	2	*2
2. 1/2	91.5	66	58	-	108	2581	2	*2
2. 9/16	92.8	66	58	-	108	2643	2	*2
2. 5/8	95.3	66	56	-	108	2711	1	*2
2. 3/4	99	66	55	-	108	2792	1	*2
2. 7/8	102.8	86	53	-	108	3600	1	*3
2.15/16	105.3	86	52	-	108	3646	1	*3
3	106.5	86	51	-	108	3677	1	*3
3. 1/16	109	86	50	-	108	3939	1	*3
3. 1/8	111.5	86	49	-	108	4039	1	*3
3. 3/16	112.8	86	48	-	108	4170	1	*3

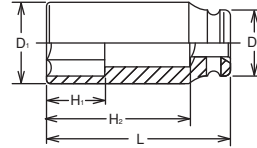
*1 C-Ring=C81, Pin/O-Ring=A81/B81
 *2 C-Ring=C82, Pin/O-Ring=A82/B82 → P268-269
 *3 C-Ring=C83, Pin/O-Ring=A83/B83

Z-SERIES
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JUEGOS DE PIEZAS REPUESTO

18301M • 18301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Paraf De Igada



18301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
23	37.3	53	23	77	108	780	2	*1
24	38.5	53	24	77	108	800	2	*1
26	41	53	26	77	108	830	2	*1
27	42.3	53	27	77	108	860	2	*1
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
39	57.3	53	38	76	108	1130	2	*1
41	59.8	53	38	75	108	1213	2	*1
43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	65	38	-	108	1746	2	*2
55	77.3	65	62	-	108	1963	2	*2
60	83.5	65	59	-	108	2220	2	*2
65	89.8	65	56	-	108	2689	2	*2

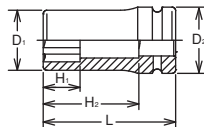
*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P268-269

18301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
1 1/16	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	39.8	53	25	77	108	828	2	*1
1. 1/16	42.3	53	27	77	108	860	2	*1
1. 1/8	44.8	53	29	77	108	909	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. 9/32	49.8	53	33	77	108	997	2	*1
1. 5/16	51	53	34	77	108	1014	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
1.11/16	62.3	53	38	74	108	1285	2	*1
New 1. 3/4	64.8	53	38	74	108	1400	2	*1
1.13/16	66	53	38	74	108	1400	2	*1
2	72.3	65	65	-	108	1850	2	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P268-269

18310M

Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos



18310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
21	37.8	54	21	77	108	1010	2	*1
24	41.5	54	24	77	108	1060	2	*1
27	45.3	54	27	77	108	1125	2	*1
30	49	54	30	77	108	1179	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
36	56.5	54	36	76	108	1280	2	*1
41	62.8	54	38	75	108	1450	2	*1


*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



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=C81, Pin/O-Ring=A81/B81 → P268-269

The items with  have larger output size than 16mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

18106.16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T55	54	34	102	697	2	*1
T60	54	34	102	704	2	*1
T70	54	34	102	713	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



18106.16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
M14	54	44	112	723	2	*1
M16	54	44	112	733	2	*1
M18	54	44	112	743	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

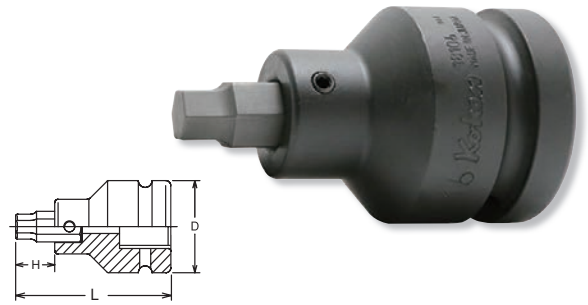
	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18106	32	54	16	68	640	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

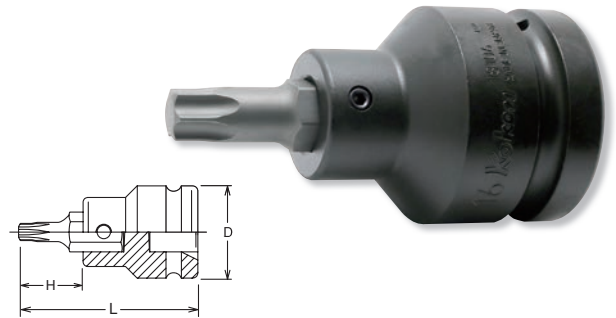
16106-SC

 Replacement Screw : M6x10,  3mm

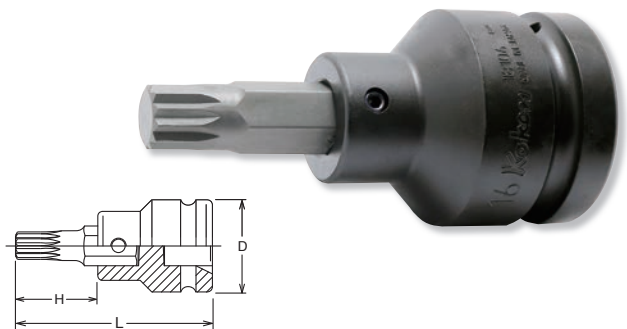
18106-16 Hex Bit Sockets Vasos con Punta Hexagonal



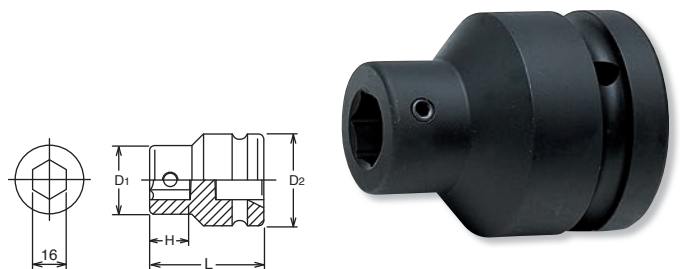
18106-16(T) TORX® Bit Sockets Vasos con Punta TORX®



18106-16(XZN) XZN Bit Sockets Vasos con Punta XZN



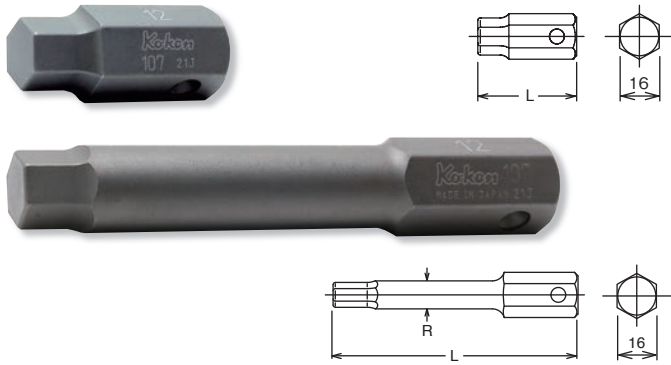
18106 Bit Holder Porta Punta



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INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

Z-SERIES
HAND MANUALES
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



107-16 Bits for Inhex Screws Puntas para Tornillos Inhex



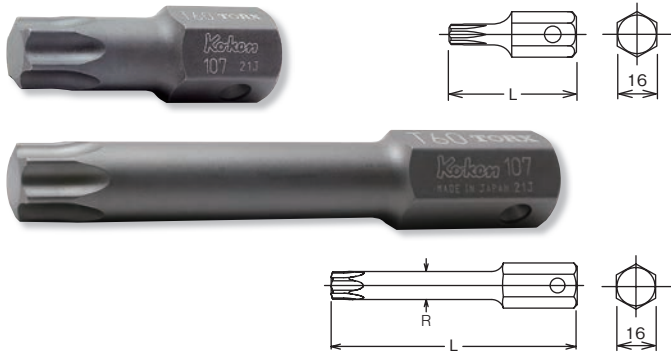
107.16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107.16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
7/16	40	53	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	118	10
12	100	15	141	10
14	100	-	163	10
17	100	-	185	10
19	100	-	228	10
22	100	-	293	10

 The items with  have larger output size than 16mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

107-16 (T) TORX® Bits Puntas TORX®



107.16 (T)	L (mm)	(g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

107-16 (IP) TORXPLUS® Bits Puntas TORXPLUS®



107.16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
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

107.16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

TORX is a registered trademark of CAMCAR Innovations.
TORX es una marca registrada de CAMCAR Innovations.

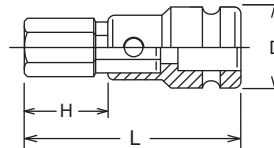
TORXplus is a registered trademark of CAMCAR Innovations.
TORXplus es una marca registrada de CAMCAR Innovations.

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=C81, Pin/O-Ring=A81/B81 → P268-269

⚠ The items with ⚠ have larger output size than 22mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

18107-22 Hex Bit Sockets Vasos con Punta Hexagonal



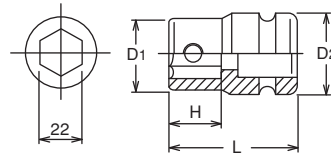
18107	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18107	44	54	22	70	770	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

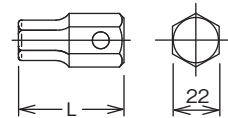
16107-SC

Replacement Screw : M8x14, 4mm

18107 Bit Holder Porta Punta



107-22 Bits for Inhex Screws Puntas para Tornillos Inhex



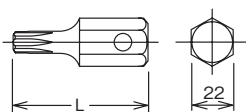
107.22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

107.22 (inch)	L (mm)	(g)	(pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1. 1/4	55	243	10

107.22(L140) (mm)	L (mm)	(g)	(pcs.)
17	140	431	5
19	140	441	5
22	140	460	5
24	140	513	5

⚠ The items with ⚠ have larger output size than 22mm input hex drive. Due to this design the Maximum output torque rating is less than standards.

107-22 (T) TORX® Bits Puntas TORX®

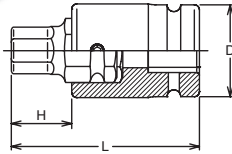




107.22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10


107.22(L140) (T)	L (mm)	(g)	(pcs.)
T 70	140	395	5
T 80	140	407	5
T 90	140	420	5
T100	140	434	5



Z-SERIES
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AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

18108-32 Bit Holder complete with Bit, Inhex Vasos con Punta Hexagonal

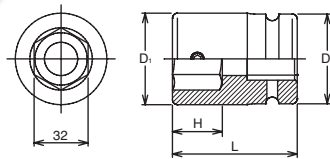



18108.32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	54	30	105	1230	2	*1
22	54	30	105	1250	2	*1
24	54	30	105	1260	2	*1
27	54	30	105	1290	2	*1
30	54	30	105	1320	2	*1
32	54	30	105	1340	2	*1
36	54	30	105	1390	2	*1 

*1 C-Ring=C81, Pin/O-Ring=A81/B81  P268-269

 The items with  have larger output size than 32mm input hex drive. Due to this design the Maximum output torque rating is less than DIN/ISO standards.


18108 Bit Holder Porta Punta



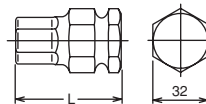
	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18108	55	54	30	75	930	2	*1


*1 C-Ring=C81, Pin/O-Ring=A81/B81  P268-269

18108-SC

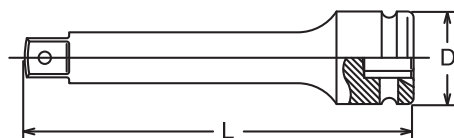
 Replacement Screw : M8x12,  4mm


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 

18760 Extension Bars Alargaderas



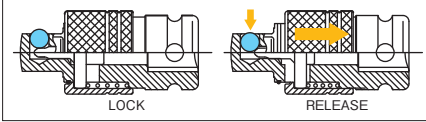
	D (mm)	L (mm)	(g)	(pcs.)	
18760-175	54	175	1400	1	*1
18760-200	54	200	1580	1	*1
18760-250	54	250	1885	1	*1
18760-330	54	330	2380	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81  P268-269

	L (mm)	(g)	(pcs.)	⚡
18888AL	95	980	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

Lock & Quick Release

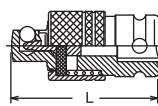


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.



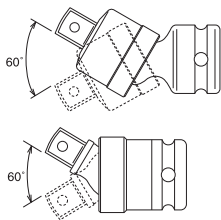
18888AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida) **⚠**



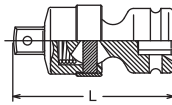
	L (mm)	(g)	(pce.)	⚡
18770	127	1350	1	*1
18771	115	1210	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269



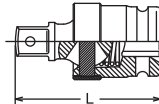
18770

Universal Joint
Articulación Universal



18771

Universal Joint
Articulación Universal



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
18866A	1"	3/4"	67	580	1	*1
18866A-200	1"	3/4"	200	1100	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

⚠ 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.

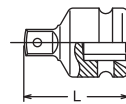
18866A

Adaptors
Adaptadores

No Warranty
Sin Garantía **⚠**

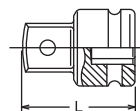
18866A-200

⚠



18877A

Adaptor
Adaptador



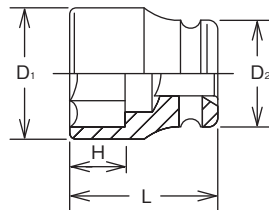
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
18877A	1"	1.1/2"	80	935	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

Impact Sockets 1-1/2"

17400M • 17400A

6-point Sockets
Vasos Hexagonales



17400M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
New 57	87	86	43	90	2460	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)	H (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
New 5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
New 6. 1/2	205	127	94	175	17500	1	*2

*1 C-Ring=C71, Pin/O-Ring=A71/B71

*2 Pin/O-Ring=A72/B72

➔ P268-269

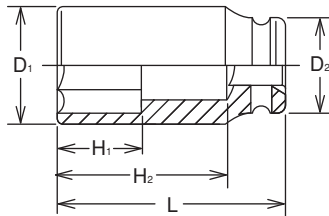
1-1/2" Impact Sockets

17405M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2

17405A (inch)	D ₁ (mm)	D ₂ (mm)	H (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
2.13/16	105	86	55	105	3400	1	*1
2.15/16	108	86	56	105	3700	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71
 *2 Pin/O-Ring=A72/B72

➔ P268-269

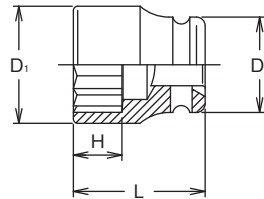


17300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	⚡
36	63	86	26	70.5	115	2800	1	*1
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	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=C71, Pin/O-Ring=A71/B71
 *2 Pin/O-Ring=A72/B72

➔ P268-269

17405M • 17405A 12-point Sockets Vasos Bihexagonales



17300M • 17300A 6-point Deep Sockets Vasos Hexagonales Largos



17300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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=C71, Pin/O-Ring=A71/B71
 *2 Pin/O-Ring=A72/B72

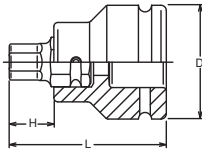
➔ P268-269



Z-SERIES
 HAND MANUALES
 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"**

Z-SERIES
HAND MANUALES
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

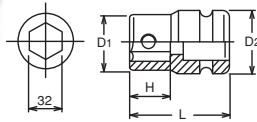
17108-32 Hex Bit Sockets Vasos con Punta Hexagonal




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=C71, Pin/O-Ring=A71/B71  P268-269


17108 Bit Holder, For 107-32 Porta Punta



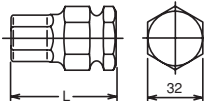
	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
17108	60	86	30	85	2200	1	*1


*1 C-Ring=C71, Pin/O-Ring=A71/B71  P268-269



16107-SC

 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 

 The items with  have larger output size than 32mm input hex drive.
Due to this design the Maximum output torque rating is less than DIN/ISO standards.

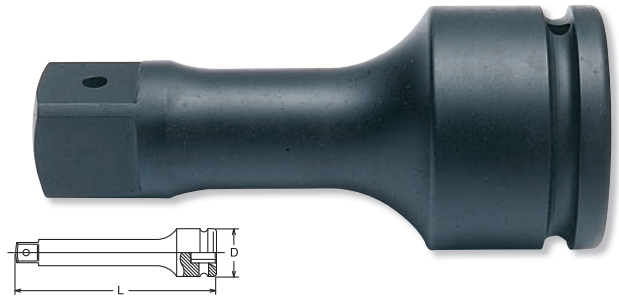


1-1/2" Impact Sockets

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=C71, Pin/O-Ring=A71/B71 → P268-269

17760 Extension Bars
Alargaderas



17770	L (mm)	(g)	(pce.)	
17770	200	4700	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

17770 Universal Joint
Articulación Universal



17788A	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17788A	1.1/2"	1"	98	2600	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P268-269

⚠ 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 Adaptor
Adaptador **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=C71, Pin/O-Ring=A71/B71 → P268-269

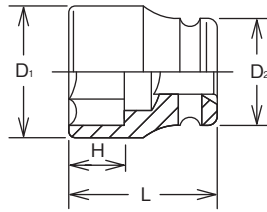
17799A Adaptor
Adaptador





Z-SERIES
HAND
MANUALES
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 **2-1/2"**

19400M • 19400A 6-point Sockets Vasos Hexagonales



19400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
50	88	127	39	115	6550	1	*1
55	94	127	42	115	6720	1	*1
60	100	127	45	125	7430	1	*1
65	105	127	48	125	7350	1	*1
70	110	127	51	125	7260	1	*1
75	118	127	54	125	7170	1	*1
80	124	127	57	125	6960	1	*1
85	127	127	61	132	7320	1	*1
90	135	127	64	132	7950	1	*1
95	140	127	71	140	8660	1	*1
100	146	127	71	142	9230	1	*1
105	155	127	74	146	11600	1	*1
110	160	127	76	155	11600	1	*1
115	167	127	78	158	12600	1	*1
120	175	175	79	160	18500	1	*2
125	180	175	82	165	19400	1	*2
130	185	175	85	169	20600	1	*2
135	190	175	89	175	21800	1	*2
140	200	175	93	180	24000	1	*2
145	205	175	95	183	25300	1	*2
150	210	175	97	192	27600	1	*2
160	225	175	102	200	31700	1	*2
165	230	175	105	204	33100	1	*2
170	235	175	106	207	34100	1	*2
175	240	175	109	211	35600	1	*2
180	250	175	110	214	40300	1	*2
185	255	175	113	218	40300	1	*2
190	265	175	113	220	46400	1	*2
200	275	175	116	225	46400	1	*2
210	285	175	123	235	50200	1	*2
215	290	175	126	240	51000	1	*2
225	305	175	133	250	55700	1	*2
235	315	175	140	260	59600	1	*2

19400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
2. 1/8	92	127	41	115	6670	1	*1
2. 3/8	100	127	45	125	7430	1	*1
2. 7/16	102	127	46	125	7440	1	*1
2. 1/2	103	127	47	125	7280	1	*1
2. 9/16	105	127	48	125	7350	1	*1
2. 5/8	107	127	49	125	7260	1	*1
2.11/16	108	127	50	125	7260	1	*1
2. 3/4	110	127	51	125	7260	1	*1
2.13/16	113	127	52	125	7170	1	*1
2. 7/8	115	127	53	125	7170	1	*1
2.15/16	118	127	54	125	7260	1	*1
3	120	127	55	125	7250	1	*1
3. 1/8	124	127	57	125	6960	1	*1
3. 1/4	125	127	59	125	6970	1	*1
3. 3/8	127	127	61	132	7320	1	*1
3. 1/2	135	127	64	132	7950	1	*1
3. 5/8	138	127	64	132	8180	1	*1
3. 3/4	140	127	71	140	8660	1	*1
3. 7/8	143	127	70	140	8730	1	*1
4	146	127	71	142	9230	1	*1
4. 1/8	155	127	70	142	11600	1	*1
4. 1/4	160	127	76	155	11600	1	*1
4. 3/8	163	127	76	155	12600	1	*1
4. 1/2	167	127	78	158	12600	1	*1
4. 5/8	175	175	79	160	18500	1	*2
4. 7/8	180	175	82	165	19400	1	*2
5	183	175	81	165	20100	1	*2
5. 1/4	190	175	89	175	21800	1	*2
5. 3/8	198	175	94	180	24200	1	*2
5. 1/2	200	175	93	180	24000	1	*2
5. 5/8	203	175	94	182	25300	1	*2
5. 3/4	207	175	103	192	26600	1	*2
6	217	175	100	196	31700	1	*2
6. 1/8	218	175	99	196	31700	1	*2
6. 5/8	233	175	105	205	34100	1	*2
7	248	175	110	213	40300	1	*2

*1 Pin/O-Ring=A91/B91
*2 Pin/O-Ring=A92/B92



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

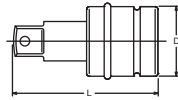
2-1/2" Impact Sockets

19300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	(V)
75	118	127	42	129	190	11600	1	*1
80	124	127	46	129	190	11800	1	*1
85	127	127	49	134	195	12000	1	*1
90	135	127	52	144	205	13800	1	*1
95	140	127	55	149	210	14100	1	*1
100	146	127	58	154	215	15700	1	*1
105	155	127	62	146.5	220	18000	1	*1
110	160	127	65	150.5	225	18900	1	*1
115	167	127	68	153.5	230	20700	1	*1
120	175	175	72	157.5	235	28000	1	*2
125	180	175	74	158.5	238	29100	1	*2
130	185	175	76	163.5	243	31000	1	*2
135	190	175	80	165.5	248	32100	1	*2
140	200	175	82	164.5	248	34700	1	*2
145	205	175	84	163.5	248	35900	1	*2
150	210	175	88	168.5	255	37200	1	*2
155	215	175	92	167.5	255	38200	1	*2
160	225	175	95	170.5	260	42000	1	*2
165	230	175	98	169.5	260	42700	1	*2
170	235	175	100	172.5	265	44400	1	*2
175	240	175	102	176.5	270	46100	1	*2

*1 Pin/O-Ring=A91/B91 → P269
 *2 Pin/O-Ring=A92/B92

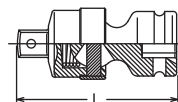
19760	D (mm)	L (mm)	(g)	(pce.)	(V)
250	127	250	17800	1	*1
500	127	500	27800	1	*1

*1 Pin/O-Ring=A91/B91 → P269



19770	L (mm)	(g)	(pce.)	(V)
303	21360	1	*1	

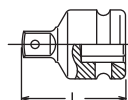
*1 Pin/O-Ring=A91/B91 → P269



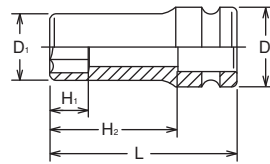
19977A	(sq.)	(sq.)	L (mm)	(g)	(pce.)	(V)
2.1/2"	1.1/2"	145	7210	1	*1	

*1 Pin/O-Ring=A91/B91 → P269

⚠ 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.



19300M 6-point Deep Sockets Vasos Hexagonales Largos



19760 Extension Bars Alargaderas



19770 Universal Joint Articulación Universal



19977A Adaptor Adaptador No Warranty Sin Garantía ⚠



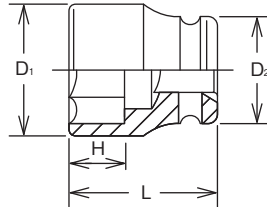
Z-SERIES
 HAND MANUALES
 TITANIUM DE TITANIO
 ACCESSORIES ACCESORIOS
 SCREWDRIVERS DESTORNILLADORES
 IMPACT DE IMPACTO
 SLEEVE-DRIVE
 INDUSTRIAL INDUSTRIALES
 PROTECTOR PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION CONSTRUCCION
 RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Impact Sockets 3-1/2"

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

10400M • 10400A

6-point Sockets
Vasos Hexagonales



10400M (mm)	D ₁ (mm)	D ₂ (mm)	H (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

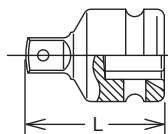
10400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	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=A01/B01 → P269
*2 Pin/O-Ring=A02/B02

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=A01/B01 → P269

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



Z-SERIES
HAND MANUALES
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



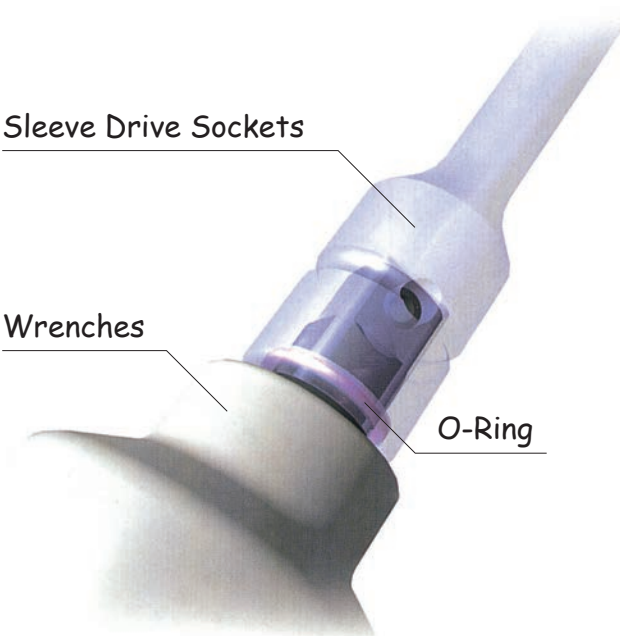
The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given 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 Sockets

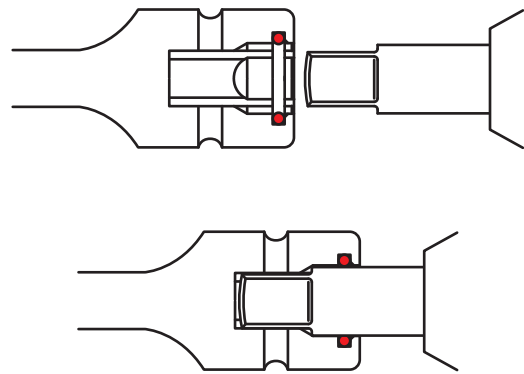
Wrenches

O-Ring



SLEEVE DRIVE SOCKET

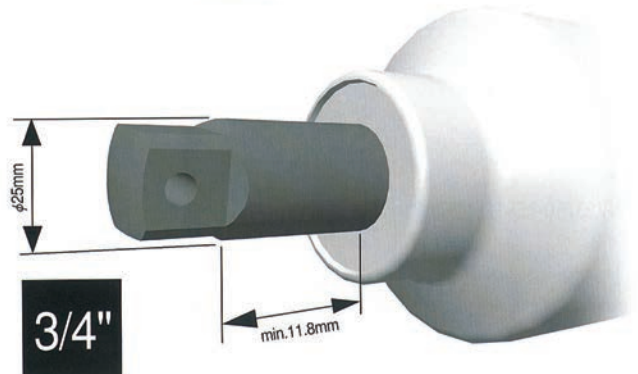
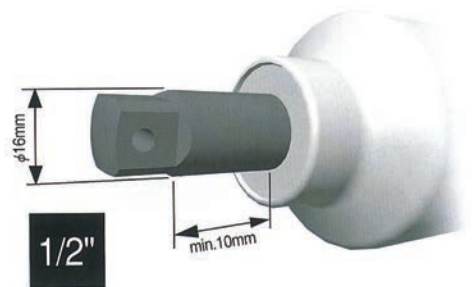
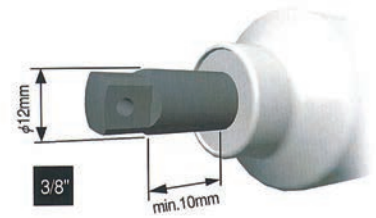
PULSE TOOL



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



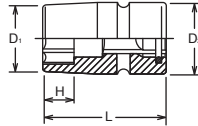
3/8" Sleeve Drive Sockets

NV13400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	43	50	10	*1
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=C31, Pin/O-Ring=A31/B31
 *2 C-Ring=C32, Pin/O-Ring=A32/B32 [P268-269](#)



NV13400 6-point Sockets Vasos Hexagonales



NV13145.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	100	108	5	*1
8	13	19	8	100	110	5	*1
10	15.5	19	10	100	112	5	*1
12	18	19	12	100	120	5	*1
13	19	19	13	100	127	5	*1
14	21	19	14	100	131	5	*1
15	22	19	15	100	133	5	*1
16	24	19	15	100	144	5	*1
17	25	19	15	100	154	5	*1

NV13145.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	150	163	5	*1
8	13	19	8	150	158	5	*1
10	15.5	19	10	150	165	5	*1
12	18	19	12	150	168	5	*1
13	19	19	13	150	170	5	*1
14	21	19	14	150	175	5	*1
15	22	19	15	150	177	5	*1
16	24	19	15	150	190	5	*1
17	25	19	15	150	203	5	*1

NV13145.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	200	209	5	*1
8	13	19	8	200	203	5	*1
10	15.5	19	10	200	212	5	*1
12	18	19	12	200	214	5	*1
13	19	19	13	200	218	5	*1
14	21	19	14	200	220	5	*1
15	22	19	15	200	226	5	*1
16	24	19	15	200	235	5	*1
17	25	19	15	200	250	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 [P268-269](#)

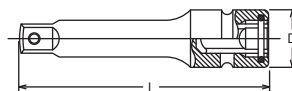
NV13760	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
75P	Pin	19	75	95	5	*1
125P	Pin	19	125	125	5	*1
150P	Pin	19	150	150	5	*1
250P	Pin	19	250	255	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 [P268-269](#)

NV13145-100 · -150 · -200 Extended Sockets Vasos con Alargadera



NV13760-P Extension Bars Alargaderas



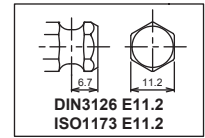
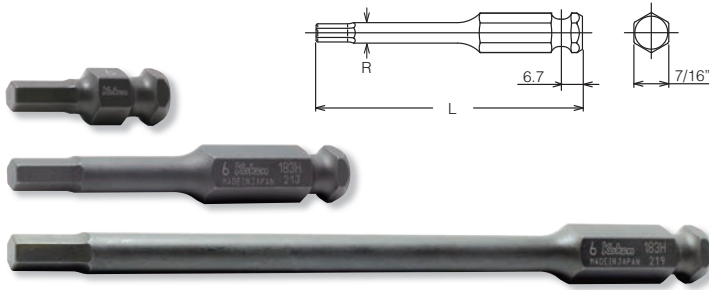
Z-SERIES
 HAND
 MANUALES
 TITANIUM
 DE TITANIO
 ACCESSORIES
 ACCESORIOS
 SCREWDRIVERS
 DESTORNILLADORES
 IMPACT
 DE IMPACTO
 SLEEVE-DRIVE
 INDUSTRIAL
 INDUSTRIALES
 PROTECTOR
 PROTECTORES
 AUTOMOTIVE
 CONSTRUCTION
 CONSTRUCCION
 RENEWAL KITS
 JUEGOS DE REPARACION

Sleeve Drive Sockets 3/8", 1/2"

Z-SERIES
HAND MANUALES
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

183H-35 · -75 · -150

Hex Bits
Puntas Hexagonales



183H.35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

⚠ The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

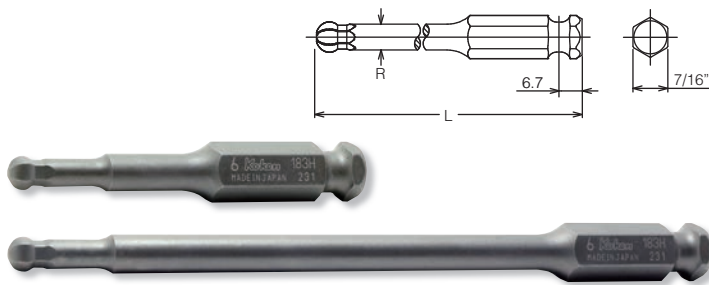
183H.35 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

183H.150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

183H-75B · -150B

Ball point Hex Bits
Puntas Hexagonales con bola

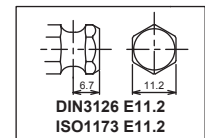
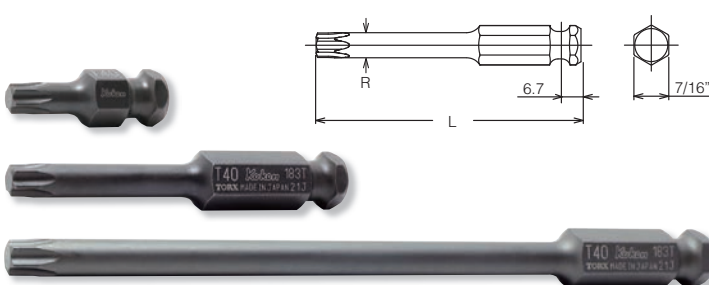


183H.75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
6B	75	5.7	39	10
8B	75	7.7	44	10
10B	75	9.7	49	10
12B	75	11.7	72	10

183H.150B (mm)	L (mm)	R (mm)	(g)	(pcs.)
6B	150	5.7	65	10
8B	150	7.7	71	10
10B	150	9.7	92	10
12B	150	11.7	135	10

183T-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®



183T.75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T25	75	6	33	10
T27	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T.35 (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	30	10
T60	35	38	10

183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10
T60	150	13.5	148	10

⚠ The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

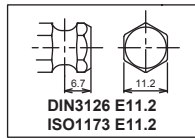
3/8", 1/2"

Sleeve Drive Sockets

183T.35 (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	38	10

183T.75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.



183X.35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

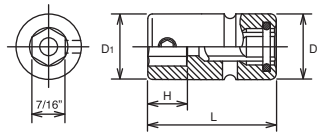
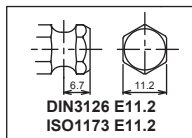
183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

The items with have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

NV13134	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV13134	24	22	15	45	100	5	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

For DIN3126 / ISO1173 E11.2 Bits



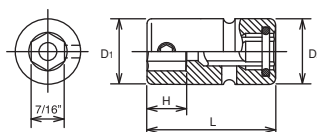
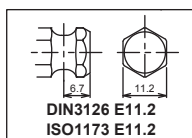
13134-SC

Replacement Screw : M8x6, ● 4mm

NV14134	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV14134	24	25	15	55	130	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

For DIN3126 / ISO1173 E11.2 Bits



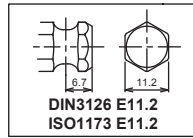
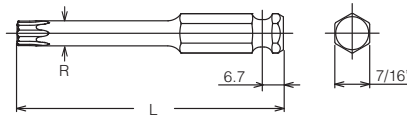
13134-SC

Replacement Screw : M8x6, ● 4mm

183T-35 · -75 (IP)

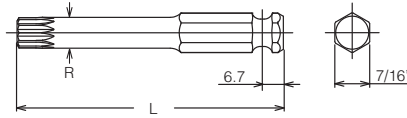
TORXPLUS® Bits
Puntas TORXPLUS®

TORXplus



183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN



183X.150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
M14	150	13.5	151	10

NV13134

Bit Holder
Porta Punta

NV14134

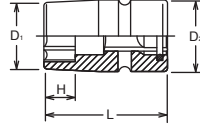
Bit Holder
Porta Punta

Z-SERIES
HAND
MANUALES
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"

Z-SERIES
HAND MANUALES
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

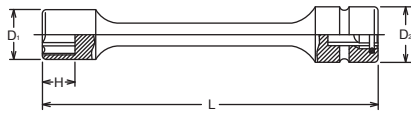
NV14400 6-point Sockets Vasos Hexagonales



NV14400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	52	120	10	*1
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=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

NV14145-100 • -150 • -200 Extended Sockets Vasos con Alargadera



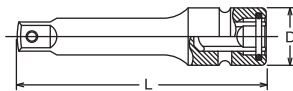
NV14145.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	100	161	1	*1
12	18	25	12	100	178	1	*1
13	19	25	13	100	175	1	*1
14	21	25	14	100	181	1	*1
15	22	25	15	100	185	1	*1
16	24	25	15	100	193	1	*1
17	25	25	15	100	201	1	*1
18	26	25	15	100	211	1	*1
19	28	25	15	100	221	1	*1

NV14145.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	150	200	1	*1
12	18	25	12	150	215	1	*1
13	19	25	13	150	220	1	*1
14	21	25	14	150	225	1	*1
15	22	25	15	150	230	1	*1
16	24	25	15	150	240	1	*1
17	25	25	15	150	250	1	*1
18	26	25	15	150	262	1	*1
19	28	25	15	150	275	1	*1

NV14145.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	200	236	1	*1
12	18	25	12	200	250	1	*1
13	19	25	13	200	260	1	*1
14	21	25	14	200	270	1	*1
15	22	25	15	200	275	1	*1
16	24	25	15	200	287	1	*1
17	25	25	15	200	300	1	*1
18	26	25	15	200	310	1	*1
19	28	25	15	200	320	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

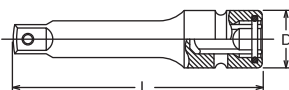
NV14760-P Extension Bars Alargaderas



NV14760	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
75P	Pin	25	75	149	10	*1
125P	Pin	25	125	226	5	*1
175P	Pin	25	175	308	5	*1
250P	Pin	25	250	422	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

NV14433A-P Adaptors Adaptadores No Warranty Sin Garantía ⚠



NV14433A	(mm)	(mm)	D (mm)	L (mm)	(g)	(pcs.)	
75P	1/2"	3/8"	25	75	120	10	*1
100P	1/2"	3/8"	25	100	145	10	*1
150P	1/2"	3/8"	25	150	187	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269

⚠ 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.

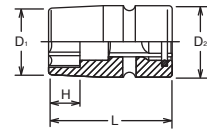
3/4" Sleeve Drive Sockets

NV16400 (mm)	D ₁ (mm)	D ₂ (mm)	H (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

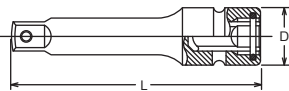
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269



NV16400 6-point Sockets Vasos Hexagonales



NV16760 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

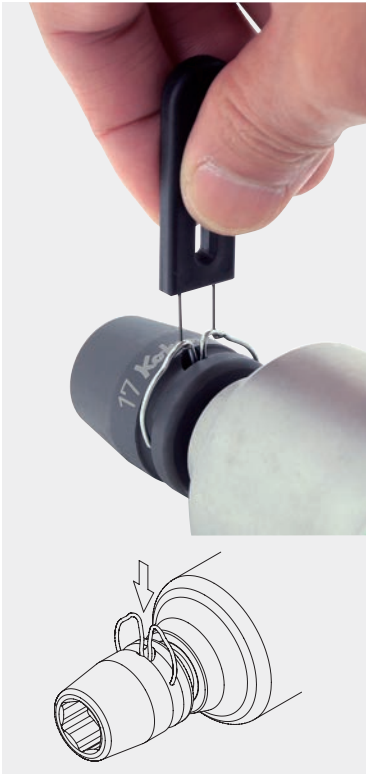
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

Z-SERIES
HAND
MANUALES
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DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
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RENEWAL KITS
JUEGOS DE REPARACION

C-Ring Lock Clamps and Pullers

Aro de Sujeción en C y Extractor

Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
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INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO



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.

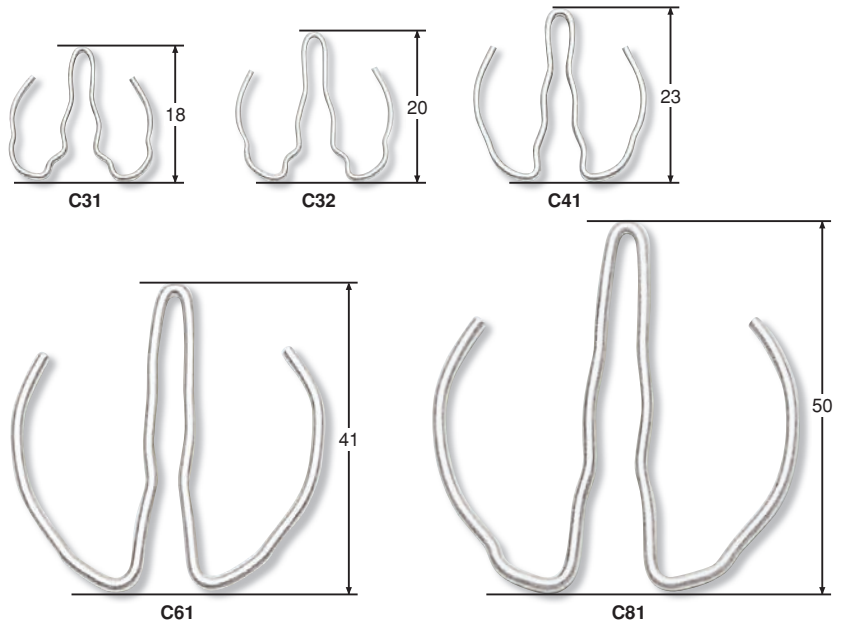


C-RING



C-Ring

No.	□	Opening (mm)	pcs.
C31	3/8"	≤ 12	100
C32	3/8"	> 12	100
C41	1/2"	≤ 14	100
C42	1/2"	> 14	100
C61	3/4"	≤ 46	100
C81	1"	≤ 46	100
C82	1"	47-70	50
C83	1"	> 70	50
C71	1-1/2"	≤ 90	50

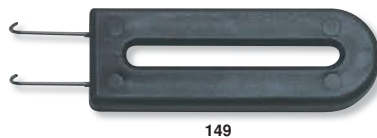


C-Ring Set

Set No.	□	C-Ring 10pcs.	Puller 1pce.
PKC31	3/8"	C31 + 149	
PKC32	3/8"	C32 + 149	
PKC41	1/2"	C41 + 149	
PKC42	1/2"	C42 + 149	
PKC61	3/4"	C61 + 152	
PKC81	1"	C81 + 152	

Puller

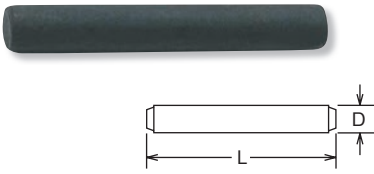
No.	□	□	pcs.
149	3/8"	1/2"	10
152	3/4"	1"	10



149

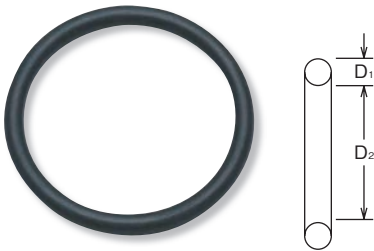


152



Pin

No.	□	Opening (mm)	D (mm)	L (mm)	pcs.)
A21	1/4"		1.5	10.2	100
A31	3/8"	≤ 12	2.5	14.5	100
A32	3/8"	> 12	2.5	17.5	100
A41	1/2"	≤ 14	3	20	100
A42	1/2"	> 14	3	25	100
A51	5/8"		4	29	100
A61	3/4"	≤ 46	4	35	100
A62	3/4"	> 46	4	45	100
A81	1"	≤ 46	5	45	100
A82	1"	47-70	5	57	50
A83	1"	> 70	5	75	50
A71	1-1/2"	≤ 90	6	75	50
A72	1-1/2"	> 90	6	110	1
A91	2-1/2"	≤ 115	8	110	1
A92	2-1/2"	> 115	8	155	1
A01	3-1/2"	≤ 140	13	155	1
A02	3-1/2"	> 140	13	180	1



O-Ring

No.	□	Opening (mm)	D ₁ (mm)	D ₂ (mm)	pcs.)
B21	1/4"		2.5	9	100
B31	3/8"	≤ 12	3.5	13	100
B32	3/8"	> 12	3.5	16	100
B41	1/2"	≤ 14	4	19	100
B42	1/2"	> 14	4	24	100
B51	5/8"		5	28	100
B61	3/4"	≤ 46	5	36	100
B62	3/4"	> 46	5	45	100
B81	1"	≤ 46	7	45	100
B82	1"	47-70	7	57	50
B83	1"	> 70	7	75	50
B71	1-1/2"	≤ 90	10	75	50
B72	1-1/2"	> 90	10	114	1
B91	2-1/2"	≤ 115	10.5	114	1
B92	2-1/2"	> 115	10.5	158	1
B01	3-1/2"	≤ 140	15	158	1
B02	3-1/2"	> 140	15	183	1



Z-SERIES
HAND
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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		C31	C32	C41	C42	C61	C81	C81	C82	C83	C71	1-1/2"	
		Pin/O-Ring	A21/B21	A31/B31	A32/B32	A41/B41	A42/B42	A61/B61	A62/B62	A81/B81	A82/B82	A83/B83	A71/B71	A72/B72	
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"

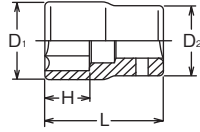
1/2"



Industrial Sockets 1/4"

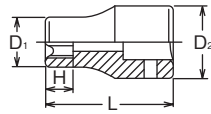
Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS/REPUESTO

22400M 6-point Sockets Vasos Hexagonales



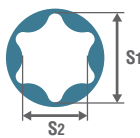
22400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10

22425 TORX® Sockets Vasos TORX®



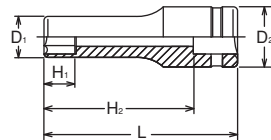
22425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

22300M • 22300A 6-point Sockets, Deep Vasos Hexagonales, largos



22300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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)	H ₁ (mm)	H ₂ (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.

23400M (mm)	D ₁ (mm)	D ₂ (mm)	H (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
9	13.3	17.3	7.5	26	23	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

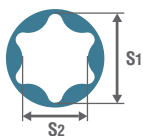
23400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.3	6.9	26	22	10
3/8	13.9	17.3	8	26	22	10
7/16	15.8	17.3	9.3	26	25	10
1/2	18	17	9.4	26	24	10
9/16	19.5	18.5	11	27	31	10
11/16	24.6	22.5	13	30	51	10
3/4	26	23.5	13.5	30	63	10

23405M (mm)	D ₁ (mm)	D ₂ (mm)	H (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 (mm)	D ₁ (mm)	D ₂ (mm)	H (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 (E)	D ₁ (mm)	D ₂ (mm)	H (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)

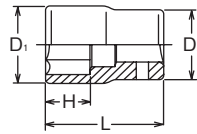


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

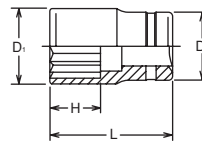


FLAT DRIVE®

23400M • 23400A 6-point Sockets Vasos Hexagonales



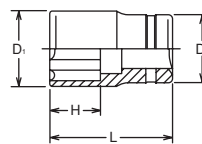
23405M 12-point Sockets Vasos Bihexagonales



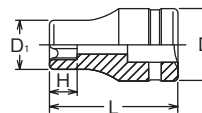
23410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE



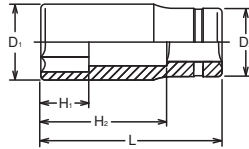
23425 TORX® Sockets Vasos TORX®



Z-SERIES
HAND MANUALES
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

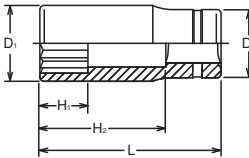


23300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	10.6	17.4	8	41.5	55	40	10
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	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)	H ₁ (mm)	H ₂ (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

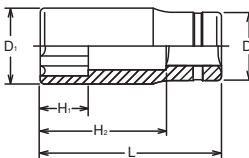
12-point Deep Sockets
Vasos Bihexagonales Largos



23305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

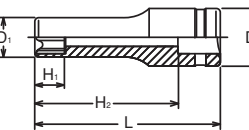
Surface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos



23310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

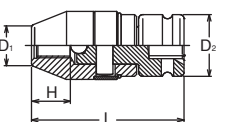
TORX® Deep Sockets
Vasos TORX®, largos



23325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

23103M

Stud Bolt Setters
Vasos para apretar pernos



23103M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	(V)
6(1.0)	11.1	22	9	59	175	10	*1
8(1.25)	13.6	22	11	61	181	10	*1
10(1.25)	16	22	13	63	188	10	*1
10(1.5)	16	22	13	63	188	10	*1

*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P256-257

This item is not suitable for impact drivers.

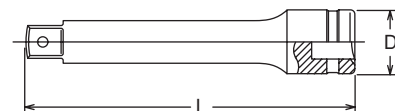
⚠ Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

23760-P

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)	H (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

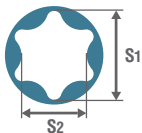
24400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	5

24405M (mm)	D ₁ (mm)	D ₂ (mm)	H (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)	H (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)	H (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)

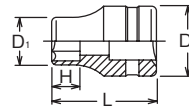


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

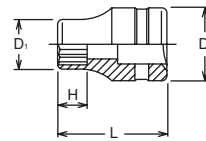


FLAT DRIVE®

24400M • 24400A 6-point Sockets Vasos Hexagonales



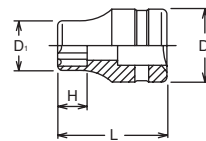
24405M 12-point Sockets Vasos Bihexagonales



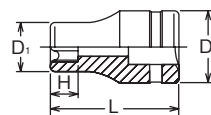
24410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE



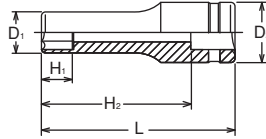
24425 TORX® Sockets Vasos TORX®



Z-SERIES
HAND
MANUALES
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

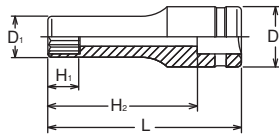
Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS/REPUSTO

24300M • 24300A ○ 6-point Sockets, Deep Vasos Hexagonales, largos



24300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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
23	31.5	29	27	57	77	235	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

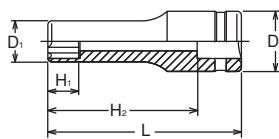
24305M ○ 12-point Deep Sockets Vasos Bihexagonales Largos



24300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

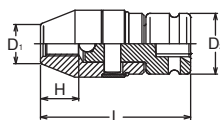
24305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
14	20.3	21.8	16	59	77	118	10
17	24	23	18	59	77	150	10
19	26.5	25	20	58	77	177	10

24310M ○ Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



24310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

24103M ○ Stud Bolt Setters Vasos para apretar pernos ⚠



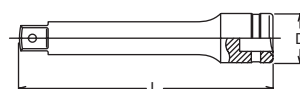
24103M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	(N)
8(1.25)	15.4	30	15	69	332	10	*1
10(1.25)	17.8	30	18	72	344	10	*1
10(1.5)	17.8	30	18	72	344	10	*1
12(1.75)	20.2	30	19	74	352	10	*1

*1 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269
⚠ This item is not suitable for impact drivers.
Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

24760-P 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"

◆ 1/4"

Sockets with Turnable Plastic Protectors



Plastic Protector Protectores Plásticos

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INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



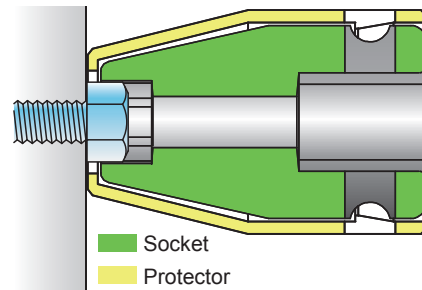
Safety

Turnable plastic protector increases operator's safety during assembly process.



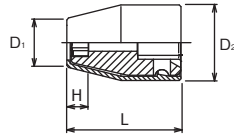
Scratch proof

Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.



3/8" Plastic Protector Protectores Plásticos

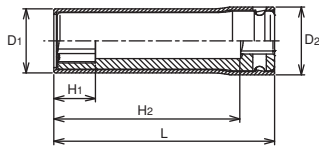
13400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)
8FR	15.7	22	6	33.3	40
10FR	18.2	22	7	33.3	40
12FR	20.8	22	9	33.3	43
13FR	21.8	25	10	33.3	56
14FR	23.6	25	10	33.3	56
16FR	26.1	25	11	33.3	57
17FR	27.3	25	12	33.3	60



13400M-FR 6-point Sockets
Vasos Hexagonales ⚠



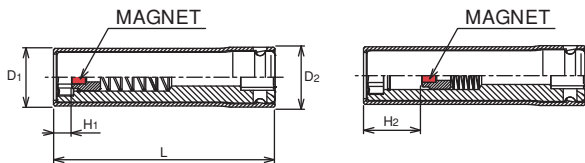
13300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	16.1	22	9	67.5	81.3	87
10FR	18.6	22	11	67.5	81.3	99
12FR	21.1	22	13	67.5	81.3	116
13FR	22.3	25	14	67.5	81.3	143
14FR	23.6	25	15	67.5	81.3	153
16FR	26	25	17	66.5	81.3	161
17FR	27.2	25	18	66.5	81.3	173



13300M-FR 6-point Sockets, Deep
Vasos Hexagonales Largos ⚠



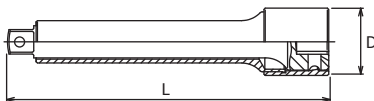
13300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	16.1	22	5	27.5	81.3	87
10FR	18.6	22	5.5	27	81.3	110
12FR	21.1	22	7	27	81.3	141
13FR	22.3	25	7.5	26	81.3	170
14FR	23.6	25	8	25	81.3	191
16FR	26	25	8.5	28	81.3	215
17FR	27.2	25	9	28	81.3	225



13300G-FR Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo ⚠



	D (mm)	L (mm)	(g)
13760-75P.FR	26.2	75	100
13760-125P.FR	26.2	125	145
13760-250P.FR	26.2	250	220



13760-P.FR Extension Bars
Alargaderas ⚠



⚠ The Protectors could be broken with any Impacts. Please handle with care.


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INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

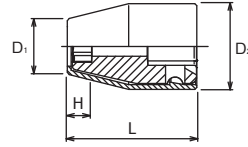
Plastic Protector Protectores Plásticos 1/2"

Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
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INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

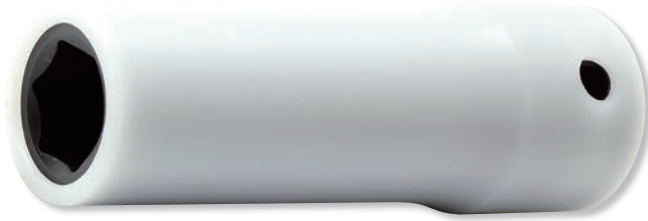
14400M-FR 6-point Sockets Vasos Hexagonales




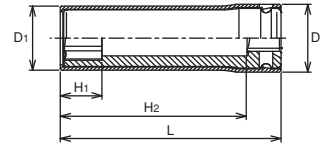
14400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)
10FR	19.5	28	7	39.3	90
12FR	22	28	9	39.3	90
13FR	23.2	28	10	39.3	90
14FR	24.8	28	11	39.3	90
New 15FR	26.6	33	11	39.3	135
16FR	27	33	10	39.3	135
17FR	28.2	33	12	39.3	135
New 18FR	30.2	33	13	39.3	135
19FR	31	33	13	39.3	130



14300M-FR 6-point Sockets, Deep Vasos Hexagonales Largos

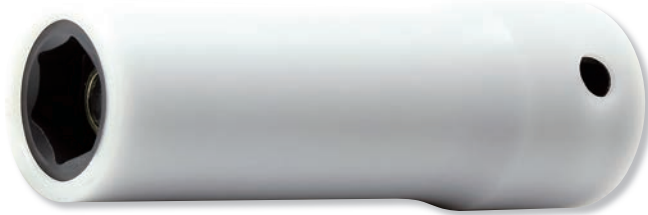



14300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)
10FR	19.8	28	11	63	81.3	145
12FR	22.3	28	13	63	81.3	167
13FR	23.5	28	14	63	81.3	167
14FR	24.8	28	15	63	81.3	179
16FR	27.3	33	17	63	81.3	237
17FR	28.5	33	18	63	81.3	237
New 18FR	29.8	33	18	62	81.3	237
19FR	31	33	20	62	81.3	245

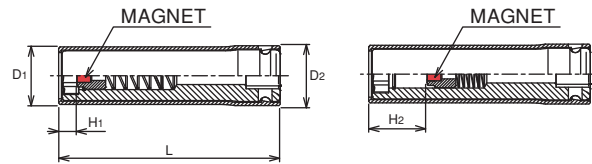


14300G-FR


Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo

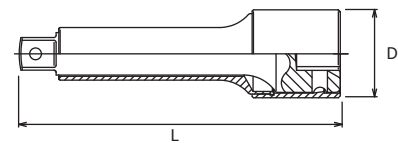



14300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)
10FR	19.8	28	5.5	27	81.3	145
12FR	22.3	28	7	27	81.3	170
13FR	23.5	28	7.5	26	81.3	190
14FR	24.8	28	8	25	81.3	194
16FR	27.3	33	8.5	27.5	81.3	275
17FR	28.5	33	9	27.5	81.3	277
19FR	31	33	10	28.5	81.3	313



14760-P.FR Extension Bars Alargaderas

	D (mm)	L (mm)	 (g)
14760-75P.FR	34.2	75	195
14760-125P.FR	34.2	125	280
14760-250P.FR	34.2	250	480



 The protector could be broken with any impacts. Please handle with care.

1/4" Plastic Protector

Protectores Plásticos

113.75 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	75	34
10SV	16.9	7	75	37
12SV	19.4	8	75	44
13SV	20.4	8	75	45
14SV	21.3	9	75	45

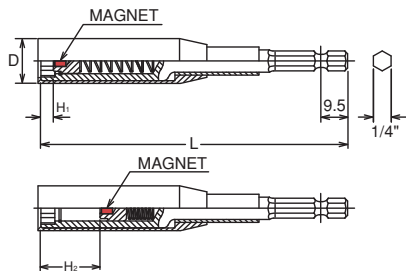
113.100 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	100	43
10SV	16.9	7	100	47
12SV	19.4	8	100	54
13SV	20.4	8	100	55
14SV	21.3	9	100	55

113.150 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	150	62
10SV	16.9	7	150	66
12SV	19.4	8	150	72
13SV	20.4	8	150	80
14SV	21.3	9	150	80

115.75 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	3.5	75	35
10SV	16.9	4.2	75	40
12SV	19.4	5.6	75	48
13SV	20.4	6	75	54
14SV	21.3	6.4	75	54

115.100 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	3.5	100	44
10SV	16.9	4.2	100	52
12SV	19.4	5.6	100	60
13SV	20.4	6	100	67
14SV	21.3	6.4	100	67

115.150 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	3.5	150	63
10SV	16.9	4.2	150	70
12SV	19.4	5.6	150	79
13SV	20.4	6	150	87
14SV	21.3	6.4	150	87

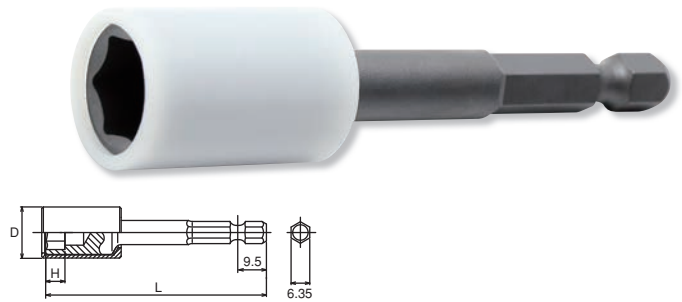


115G.100 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	100	55
10FR	16.9	4.5	26	100	60
12FR	19.3	6	26	100	80
13FR	20.4	6.5	25	100	85
14FR	21.3	7	24	100	85

115G.150 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	150	75
10FR	16.9	4.5	26	150	80
12FR	19.3	6	26	150	100
13FR	20.4	6.5	25	150	110
14FR	21.3	7	24	150	110

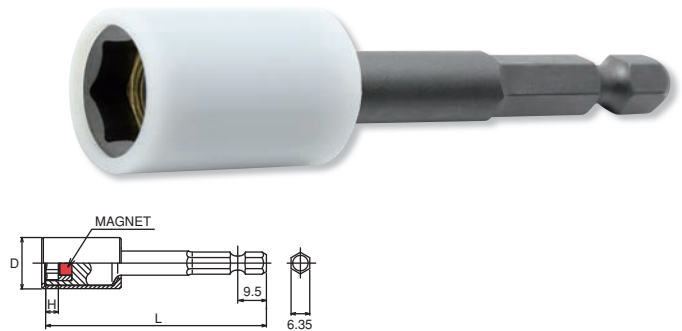
113-75SV · -100SV · -150SV

Nut Setters
Vasos para apretar tuercas Hexagonales



115-75SV · -100SV · -150SV

Nut Setters with Magnet
Vasos para tuercas con Imán



115G-100FR · -150FR · -200FR

Nut Setters with Sliding Magnet
Vasos para tuercas con Imán Corredizo



115G.200 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	200	90
10FR	16.9	4.5	26	200	100
12FR	19.3	6	26	200	125
13FR	20.4	6.5	25	200	135
14FR	21.3	7	24	200	135

The Protectors could be broken with any Impacts. Please handle with care.

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PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HEADS/REPUESTO



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.



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.

SUSTITUCION

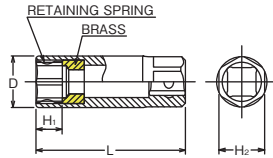
Retire el protector dañado y coloque un nuevo protector en la llave de vaso / barra de extensión presionando.
Por su seguridad, los protectores desgastados o agrietados deben ser sustituidos

Automotive Tools



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

3300C · 4300C Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

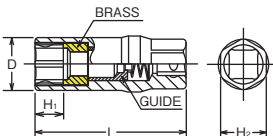


3300C (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
13	3/8"	17.5	11	17	70	66	10
14		19	11	17	70	82	10
16		20.5	13	17	70	91	10
18		23.9	12	21	70	140	10
20.8		26.9	13.5	22	70	132	10

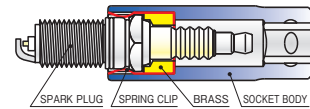
4300C (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
16	1/2"	21	13	21	70	101	10
18		23.9	12	21	70	132	10
20.8		26.9	13.5	22	70	130	10

Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

3300CB Spark Plug Socket (BMW)
Llave de Bujía (BMW)



3300CB (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
16	3/8"	22.8	13	19	65	118	10

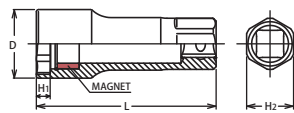


SPARK PLUG SOCKETS with SPRING CLIP

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.

Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

3300P Spark Plug Socket with Magnet
Llaves de bujía con Imán



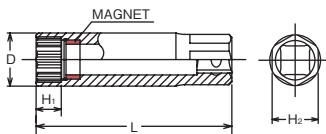
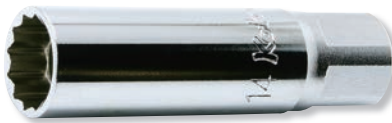
3300P (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
19	3/8"	24.8	5	17	65	88	10



19mm spark plug for generators, grass trimmers and chainsaws

The magnet could be broken with any impacts. Please handle with care.

3305P Spark Plug Socket with Magnet, 12-point Opening
Llaves de bujía con Imán, Boca Bihex



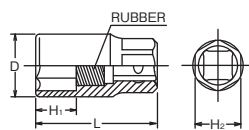
3305P (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
New 12	3/8"	16.5	6.3	-	70	78	10
14		19	8	17	70	87	10
16		20.5	8	17	70	100	10

Spark Plug Socket with Magnet, 12-pt. opening: 3305P-14



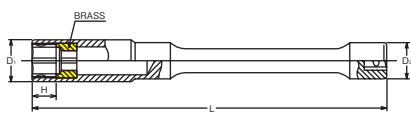
The magnet could be broken with any impacts. Please handle with care.

3300S · 4300S Spark Plug Sockets with Rubber
Llaves de bujía con Goma



3300S (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
16	3/8"	20.9	19	17	70	100	10
18		23.9	21	21	70	145	10
20.8		26.9	27	22	70	140	10

4300S (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
16	1/2"	21	19	21	70	100	10
18		23.9	21	21	70	130	10
20.8		26.9	27	22	70	135	10

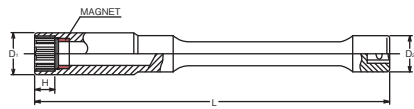


3300C.180 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19	18	11	180	205	5
16	3/8"	20.5	18	13	180	220	5
20.8		26.9	18	13.5	180	260	5

3300C.250 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19	18	11	250	271	5
16	3/8"	20.5	18	13	250	290	5
20.8		26.9	18	13.5	250	340	5

⚠ Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

3300C-180 · -250 Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas



3305P.250 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	18	8	250	250	5

⚠ The magnet could be broken with any impacts. Please handle with care.

3305P-250 Spark Plug Socket with Magnet, 12-point Opening
Llave de bujía con Imán, Boca Bihex



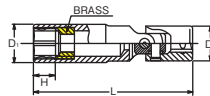
3340C (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19	19	11	88	109	10
16	3/8"	21	19	13	88	122	10
18		23.9	19	12	88	145	10
20.8		26.8	19	13.5	88	174	10

4340C (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
16	1/2"	21	25	13	107	220	10
20.8		26.8	25	13.5	107	250	10

⚠ Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.



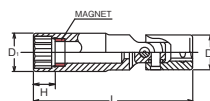
3340C · 4340C Universal Spark Plug Sockets with Spring Clips
Llaves de bujía con Presillas con Articulación Universal



3345P (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	19	8	88	110	10

⚠ The magnet could be broken with any impacts. Please handle with care.

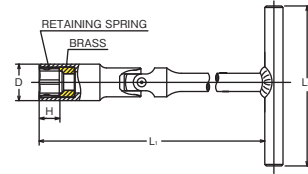
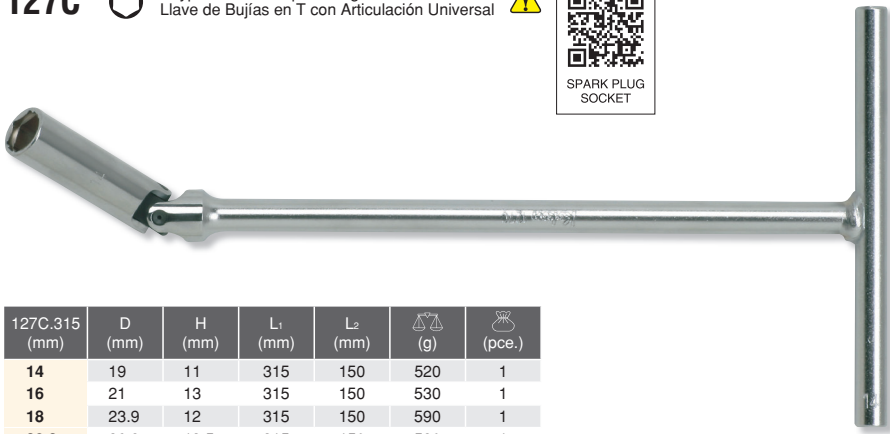
3345P Universal Spark Plug Socket with Magnet, 12-point opening
Llave de bujía con Imán con Articulación Universal, Boca Bihex




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JUEGOS DE HERRAMIENTAS

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CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

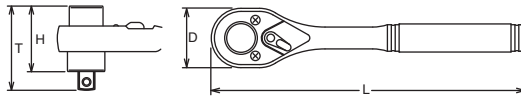
127C  T-type Universal Spark Plug Socket Wrench
Llave de Bujías en T con Articulación Universal 



127C.315 (mm)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
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

 Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

3751J Torque Ratchet for Spark Plugs
Llave de Bujías Dinamométrica




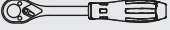

TORQUE RATCHET

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.

		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3751J-25	3/8"	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

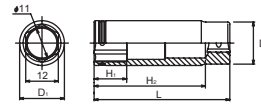


2350G-PSG (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)		
12	1/4"	16.5	15.5	12	41	50	41	10



2350G-12PSG

Sockets for PSG-Glow Plugs
Vasos para PSG-Bujías de pre-calentamiento

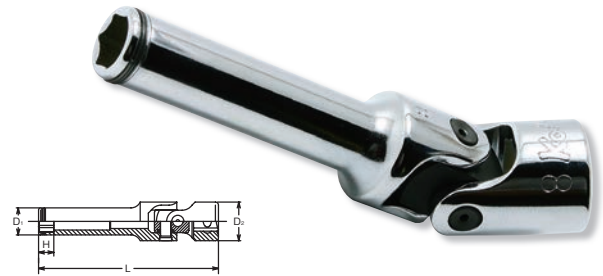


3341G.70 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		
10	3/8"	14.5	19	6	70	76	10
11		15.8	19	6	70	80	10
12		17	19	6	70	85	10



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)	H (mm)	L (mm)		
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	14	89	101	10

GLOW PLUG SOCKETS, NUT GRIP®

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

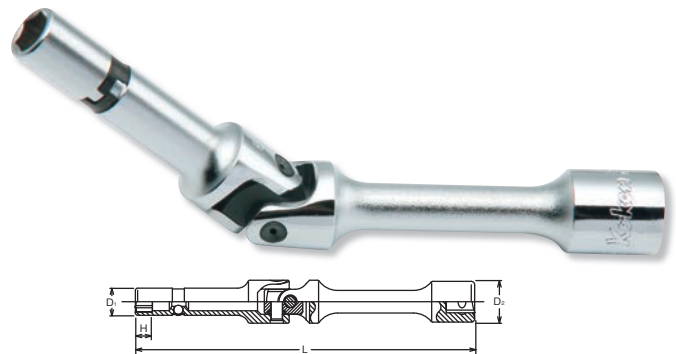
El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable



3342G.150 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		
8	3/8"	12	18	7.5	150	137	10

3342G-150

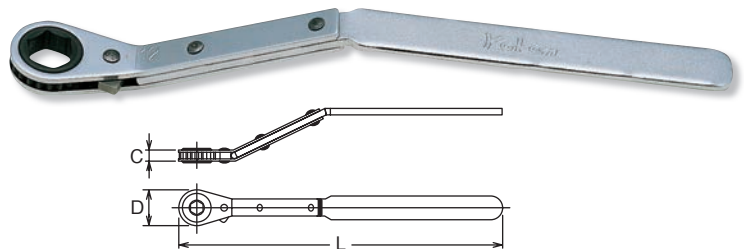
Deep length universal Glow Plug Socket
Llave de Calentador Larga con Articulación Universal



144KM (mm)	L (mm)	D (mm)	C (mm)		
8	200	22.7	7.5	95	1
12	200	22.7	7.5	102	1

144KM

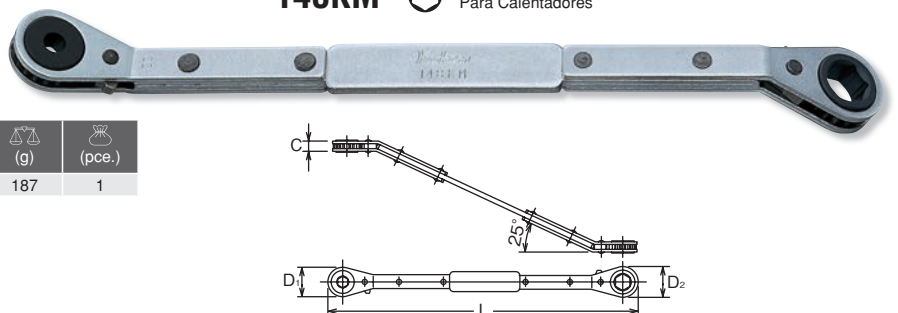
For Glow Plugs
Para Calentadores



148KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)		
8S×12	245	23.6	24.6	9	187	1

148KM

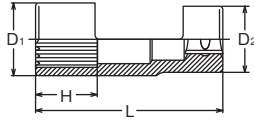
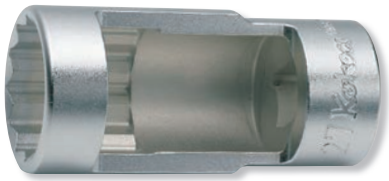
For Glow Plugs
Para Calentadores






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JUEGOS DE PIEZAS REPUESTO


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SCREWDRIVERS DESTORNILLADORES
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PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS/REPUÉS

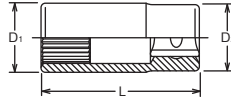
SP4305M-77  Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel





SP4305M.77 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		
27	1/2"	36.5	33	28	77	212	10

SP4305M.77-27
For fuel injection pump of BMW diesel cars.

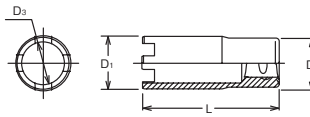
4133  Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel



4133		D ₁ (mm)	D ₂ (mm)	L (mm)		
4133	1/2"	23.9	23	55	86	10

4133
For fuel injection pump of M.B diesel cars.

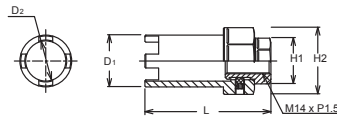
4122-72 Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel



4122.72 (mm)		D ₁ (mm)	D ₂ (mm)	D ₃ (mm)	L (mm)		
22	1/2"	28.5	27	22	72	150	10

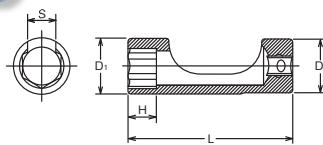
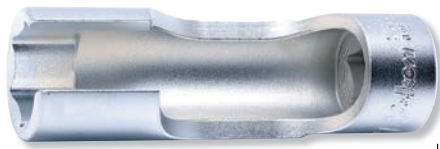
4122.72-22
For M.B Trucks, Holder nut of injection post.




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)		
22	28.4	22	22	32	69	185	5

3300FN  Flare Nut Sockets
Llaves de vaso para entubar



3300FN (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)		
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	

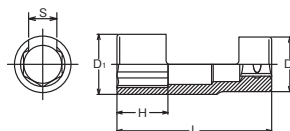
RS3300FN/6  Socket Set on Rail
Juego de Vasos en Regleta






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

SP4300M-85  Special socket for Lambda Probes
Vaso Especial para Sensores Lambda

SP4300M-110 



SP4300M.85-22		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)		
SP4300M.85-22	1/2"	33	30	29	85	8	228	10
SP4300M.110-22		33	30	34	110	8	279	5



FLARE NUT SOCKET
Socket for Lambda Probes
Open section allows for use with wire/connector.

4300H (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
24	1/2"	32.5	27	17	40	24	57	157	10
26		35	27	19	40	24	57	170	10
27		36.1	27	19.5	40	24	57	175	10

4300H series
Removes and installs oil pressure switches

4300H (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
27(8P)	1/2"	34	27	14	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

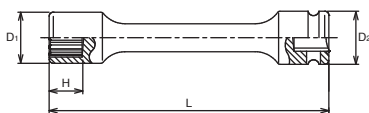


Cylinder head bolt socket for TOYOTA
4010M(12P) is Double Hex bit socket.
XZN(Triple Square) bit socket has different shape.

ST4027.140		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
ST4027.140	1/2"	23	103.5	140	155	10



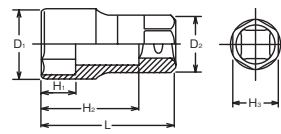
Head Bolt Bit Socket for VW/AUDI
ST4027-140 can not substitute with 3027, 4027-CV bit series.



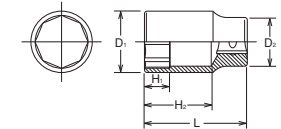
13145M.150 (12P) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	3/8"	15.8	19	10	150	120	1	*1
12		18.3	19	12	150	128	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

4300H ○ Oil Pressure Switch Sockets
Vasos para Presostatos de Aceite

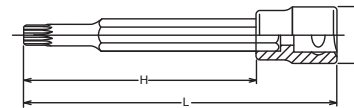


4300H (8P) ○ 8-point Socket
Vaso Octagonales

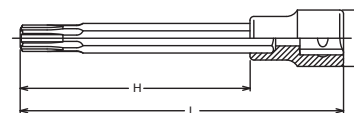


4010M-100 · -120 (12P)

● 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



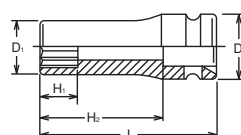
13145M.200 (12P) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	3/8"	15.8	19	10	200	151	1	*1
12		18.3	19	12	200	159	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

16305M (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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=C61, Pin/O-Ring=A61/B61 → P268-269

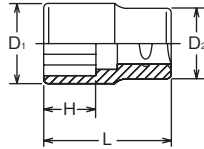
16305M ○ 12-point Sockets, Deep
Vasos Bihexagonales Largos




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PROTECTOR PROTECTORES
AUTOMOTIVE
RENEWAL KITS CONSTRUCTION JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

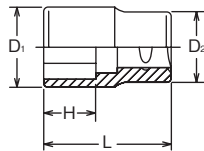
4109M  Double Square Sockets
Vasos Octagonales



4109M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	1/2"	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

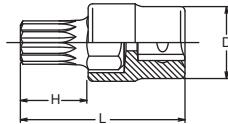
4111M  6-point Socket
Vaso Hexagonales



4111M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	1/2"	32	30	17	40	133	10

4111M
For Lubrication service

4020-60 (MH)  Bit Socket for Triple Square with hole
Vaso con Punta para Tornillos XZN con agujero

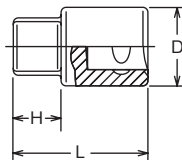



4020.60 (XZN)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
MH16	1/2"	24	20	60	135	10




4020-60-MH16
Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

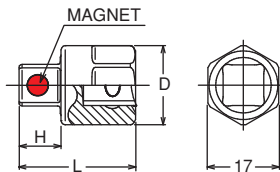
3110M · 3110A  4-point Male Sockets
Vasos con Macho Cuadrado




3110M (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	3/8"	18	10	28	30	10
8		18	10	28	30	10
10		18	10	28	33	10
12		18	10	28	37	10

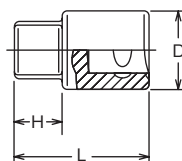
3110A (inch)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	3/8"	18	10	28	30	10
3/8		18	10	28	33	10
1/2		18	10	28	37	10


3110MGH  4-point Male Sockets
Vasos con Macho Cuadrado




3110MGH (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 8	3/8"	19	10	28	31	10
New 10		19	10	28	33	10

4110M · 4110A  4-point Male Sockets
Vasos Macho Cuadrado



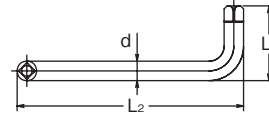
4110M (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	1/2"	24	10	32	57	10
10		24	10	32	62	10
10.5		24	10	32	64	10
12		24	10	32	64	10
13		24	10	32	66	10
13.5		24	10	32	67	10
New 14		24.2	10	32	68	10
19		25	15	37	101	10
20	26	15	37	114	10	


4110A (inch)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8	1/2"	24	10	32	62	10
1/2		24	10	32	64	10

158  For Lubrication Service
Para Lubricación

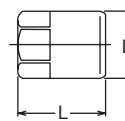


158 (mm)	L ₁ (mm)	L ₂ (mm)	d (mm)	(g)	(pcs.)
8Sx10S	63	230	13	319	1



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

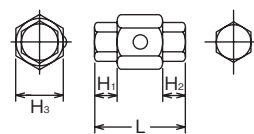
-  **106** Drain Plug Keys
8Sx10S, 8Hx3/8H, 10Hx11H, 12Hx13H, 14Hx17H, 19H
-  **4102** Drain Plug Key Adaptor


4202 Drain Plug Keys Set
Juego de Llaves de Tapón de Vaciado




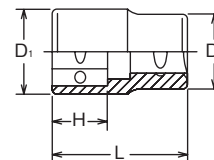
106 (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
8Sx10S	8	8	17	32	40	10
8Hx3/8H	8	8	17	32	38	10
10Hx11H	8	8	17	32	42	10
12Hx13H	8	8	17	32	47	10
14Hx17H	8	8	17	32	55	10
19H	-	8	17	24	49	10


106   4-point / 6-point Male bits
Puntas Macho Cuadrado / Hexagonal



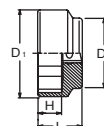
4102 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	1/2"	25	24	16	40	82	10

4102  Adaptor for 106 Drain Plug Key
Adaptador para llave de tapón de Vaciado 106



3400M.24 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
27		36.5	21.5	13.5	24	76	10
30	3/8"	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





3400M.24 Series
For Oil Filter

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DE TITANIO
ACCESSORIES
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SCREWDRIVERS
DESTORNILLADORES
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DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE REPARACION

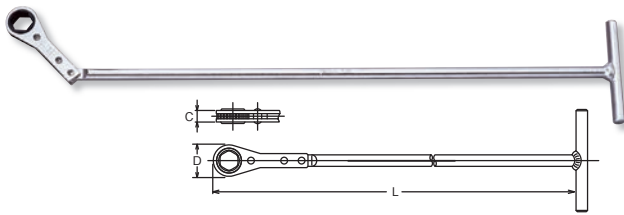
Z-SERIES
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TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
RENEWAL KITS CONSTRUCCION
JUEGOS DE PIEZAS REPUESTO CONSTRUCCION


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



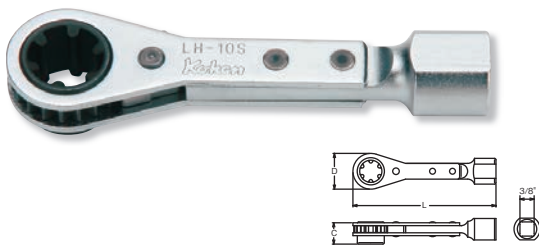
154K (mm)	L (mm)	D (mm)	C (mm)	 (g)	 (pcs.)
14	480	24.6	9	280	1





150-14H  Socket, For 154K
Vasos

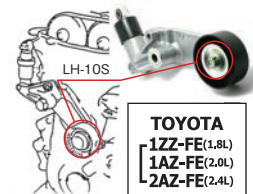


150.14H (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10


145LH3/8F  Belt Tension Pulley Wrench 



145LH3/8F (LH-S)		L (mm)	D (mm)	C (mm)	 (g)	 (pcs.)
10S	 3/8"	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.

 This item has less strength due to the special design.

4282 Generator Service Set

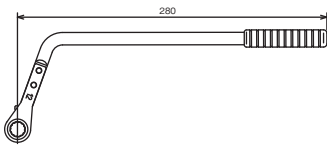


4282		4 Pieces Set/  =449g
PLASTIC BAG		
Sockets		
 4020.100-M10 4020.140-M10		
 4025.100R-T50		
 185		



Generator Service Set
For removing and installing belt pulley at the generator.

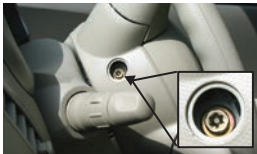
1210 • 1210E Door Hinge Wrench Set
Juego de Llave de Bisagra de Puerta



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.

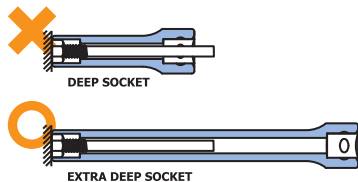
3247 Bit Socket Set
Juego de Vasos con Punta



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



Extra Deep Socket
Extra deep socket can be used to fasten or loosen longer bolts such as Bumper bolt and Door hinge etc.

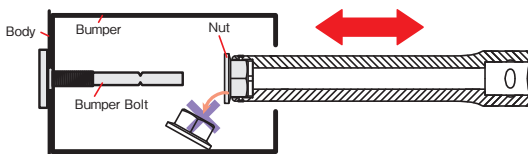


3300M/4-L120 Socket Set
Juego de Vasos



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

Nut Grip Extra Deep Socket

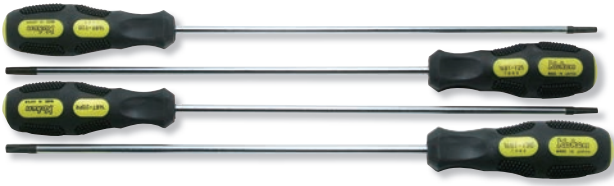


3350M/2-L120 Socket Set
Juego de Vasos

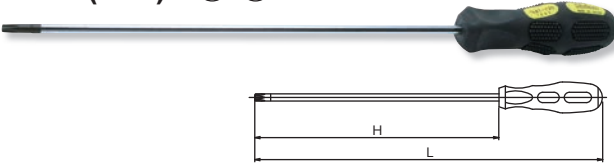


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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

1212  Screwdriver Set
Destornilladores, juego de 4 piezas

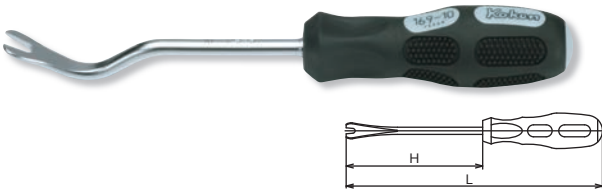


168T (250)  Screwdrivers
Destornilladores



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

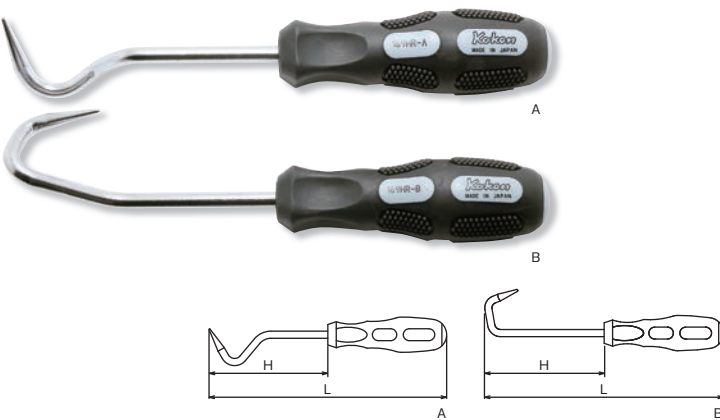


169WM Window Molding Remover
Extractor de Burletes de Ventana



169HR/2 Hose Remover, 2 pieces Set
Extractor de Mangueras, juego de 2 piezas

169HR Hose Remover
Extractor de Mangueras

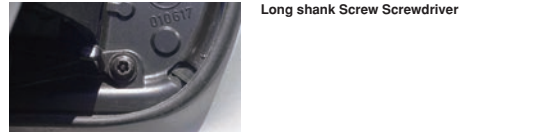


169BP For Battery Screws



1212 4 Pieces Set/△=380g
PLASTIC BAG

Screwdrivers	
	168T(250) 20IPR
	168T(250) T20, T25, T30



168T(250) (IPR)	H (mm)	L (mm)	(g)	(pce.)
20IPR	250	350	85	1

168T(250) (T)	H (mm)	L (mm)	(g)	(pce.)
T20	250	350	85	1
T25	250	350	85	1
T30	250	360	120	1

169/2 2 Pieces Set/△=200g
PLASTIC BAG

Clip Handles	
169	6, 10

169	H (mm)	L (mm)	(g)	(pcs.)
6	115	215	80	2
10	120	230	110	2



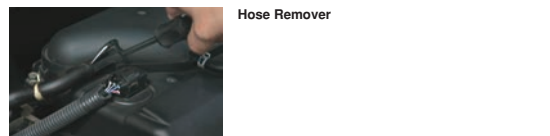
169WM	H (mm)	L (mm)	(g)	(pcs.)
169WM	100	210	90	2



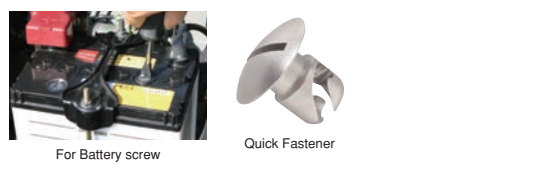
169HR/2 2 Pieces Set/△=180g
PLASTIC BAG

Hose Remover	
169HR	A, B

169HR	H (mm)	L (mm)	(g)	(pcs.)
A	100	200	75	2
B	100	200	90	2



169BP	TxW (mm)	H (mm)	L (mm)	(g)	(pcs.)
1.8x13	1.8x13	50	150	60	2



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4425 (E)		D ₁ (mm)	D ₂ (mm)	H (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)	H (mm)	L (mm)	(g)	(pce.)	
9/16(D20)	3/8"	20	19	13	150	130	5	*1

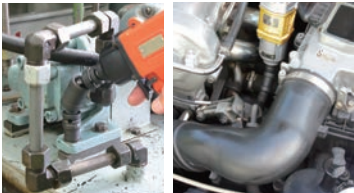
*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269

14145A.150 (inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
9/16(D20)	1/2"	20	25	13	150	200	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269
For Land Rover Prop Shaft

		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13772-B	3/8"	22	19	75	120	5	*1
13772-P		22	19	75	120	5	*1
14772-B	1/2"	27	25	90	230	1	*2
14772-P		27	25	90	230	1	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P268-269
*2 C-Ring=C41, Pin/O-Ring=A41/B41



13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

14305M (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (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

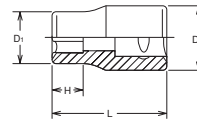
*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269



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	5

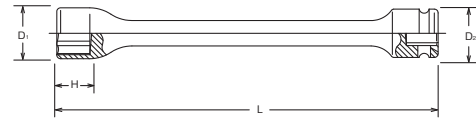
4425-N TORX® Sockets
For Nut/Low Profile Head Bolt



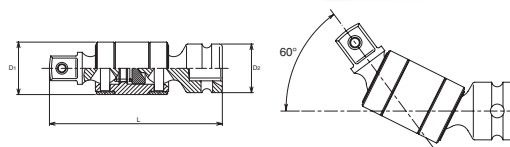
RS4425/6-N Socket Set on Rail
Juego de Vasos en Regleta



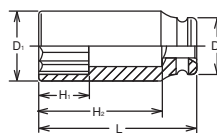
13145A-150 Extra Long Sockets
Vasos Extra-Largos



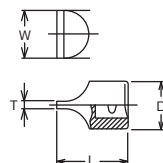
13772 Universal Double Joint
14772 Articulación Universal



14305M 12-point Deep Sockets
Vasos Bihexagonales Largos







4101 · 6101 Sockets for Slotted Heads
Vasos para Cabeza Ranurada



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4400M-DU  Rear Wheel Nut Socket







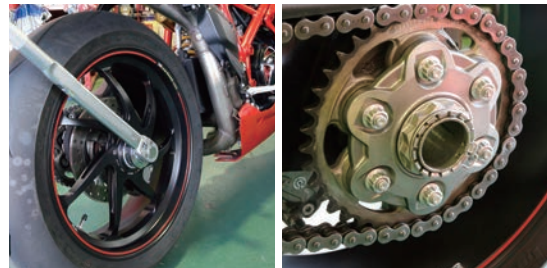
4400M		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
41DU		53	45	15	28	240	5
46DU		59	48	15	28	280	5



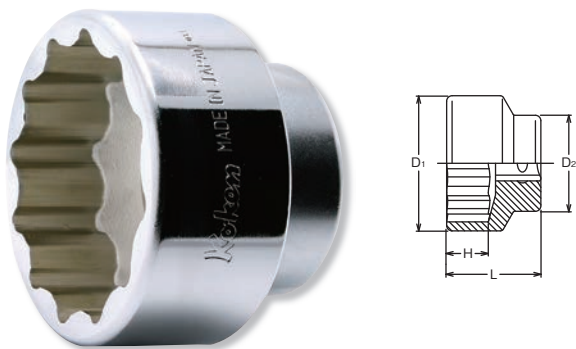
4405M-DU  Rear Wheel Nut Socket







4405M		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
36DU		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)	H (mm)	L (mm)	 (g)	 (pcs.)
2.316MV		74.6	53	23	52	790	2



4012M-43  Inhex Sockets
Vasos Inhex



4012M.43 (mm)		D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
20		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





3305P-12

MG Spark Plug Socket with Magnet, 12-point Opening
Llaves de bujía con Imán, Boca Bihex

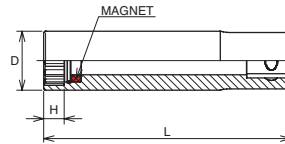


3305P (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
12	3/8"	16.5	6.3	70	78	10

3305P-12 : For DUCATI V4 Engines

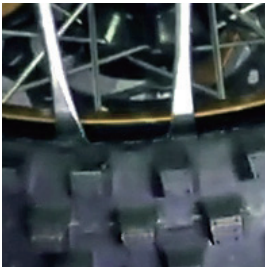


The magnet could be broken with any impacts. Please handle with care.

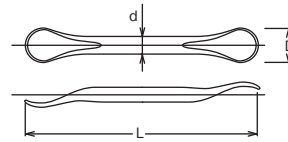


155	D (mm)	d (mm)	L (mm)	(g)	(pcs.)
155	22	10	170	100	10

For Motorcycles

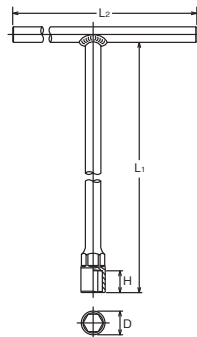


155 Tyre Lever Llave de Neumáticos



104M (mm)	D (mm)	H (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

104M 6-point Hexagonal



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
8	300	190	245	1
10	300	190	433	1
12	320	210	662	1

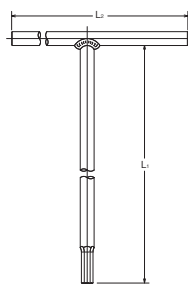
157H For Inhex Screws Para Tornillos de Seis Lados en el Interior (Inhex)

157P (PH)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
2	200	180	84	1
3	300	180	189	1

157P For PH Screws Para Tornillos PH

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

157T For TORX® Screws Para Tornillos TORX®



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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

14201M

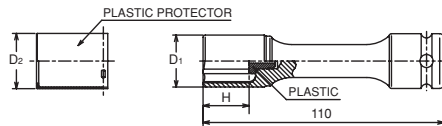
Wheel Nut Sockets Set
Juego de Vasos para Rueda

14145PM-110

Wheel Nut Sockets
Vasos para Rueda



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.



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)	H (mm)	Shaft Colour	(g)	(pcs.)	⊕
17		23.8	25.2	21	Blue	208	5	*1
19	1/2"	25.8	27.2	23	Red	219	5	*1
21		27.6	29	25	Yellow	226	5	*1
22		29	30.5	26	White	238	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269



Impact Wheel Nut Sockets-Extra Thin wall
Special design for wheel nut work.

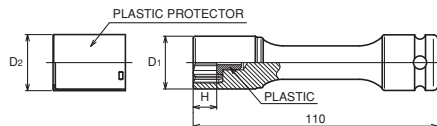
-110mm length gives socket extra reach for nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts where access to nut is very tight.
-Blue (17mm), Red (19mm), Yellow (21mm) and White (22mm), colour coded shafts make size identification easy.
-Plastic insert helps prevent damaged to wheel 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.

14145M-110MB

Wheel Bolt Socket



14145M.110 (mm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	(g)	(pcs.)
17MB	1/2"	25.7	27.2	11.5	256	5



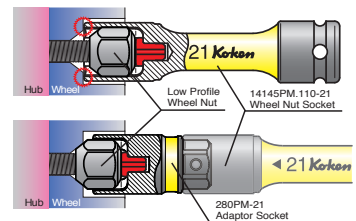
Mercedes Benz Wheel Bolt

280PM

Adaptor Socket for Low Profile Wheel Nut
Vaso Adaptador para tuercas de Llantas de perfil bajo

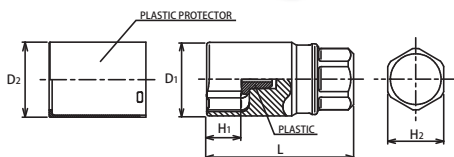


280PM (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	Shaft Colour	(g)	(pcs.)
19	25.8	27.2	13	19	52	Red	150	5
21	27.6	29	13	21	55	Yellow	180	5



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



Scratch on Wheel



Please note that thin walled design is only for wheel nut work and Torque rating is limited.

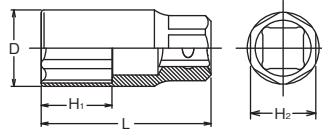
4300M(L60) (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17	1/2"	23.8	25	21	60	98	10
19		25.8	25	21	60	100	10
21		27.6	25	21	60	102	10



Wheel Nut Sockets

Please note that thin walled design is only for wheel nut work and Torque rating is limited.

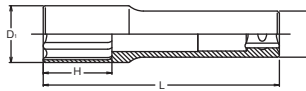
4300M (L60) Wheel Nut Sockets
Vasos para Ruedas



4300M(L110) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	1/2"	23.8	22	32	110	155	5
19		25.8	22	32	110	170	5
21		27.6	22	32	110	165	5
New 22		29.1	22	32	110	165	5

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)



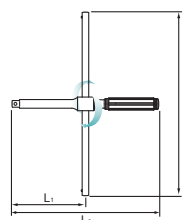
4711X Spinning Cross Wrench



FREE-TURN
CROSS WRENCH



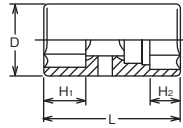
4711X		L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	(g)	(pce.)
4711X	1/2"	140	280	350	945	1








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14118M  Wheel Nut Sockets, Double Ended
Vasos para Rueda, Dos Bocas






14118M (mm)		D (mm)	H ₁ (mm)	H 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

14218M  Wheel Nut Sockets, Double Ended with Extension Bar
Vasos para Rueda, Dos Bocas con Alargado 



14218M 2 Pieces Set =360g



CARDBOARD BOX	
Sockets	Accessory
 14118PM 19x21	 14760ST-B

Interchangeable Wheel Nut Socket of 19mm and 21mm.
 Please note that thin walled design is only for wheel nut work and Torque rating is limited.
Socket is not completely locked with the Ball-type connection.
Please beware of accidental socket release.

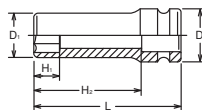
14219M  Wheel Nut Sockets, Double Ended with Extension Bar
Vasos para Rueda, Dos Bocas con Alargado








14219M 3 Pieces Set =620g


CARDBOARD BOX	
Sockets	Accessory
 14118M 18.5x19.5SV, 20.5x21.5SV	 14760-100B

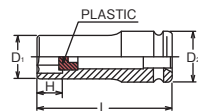
AN14300  Impact Sockets, Aluminium Alloyed, for Aluminium Wheel Nuts
Vasos de Impacto, de Aleación de Aluminio, para tuercas de rueda de aluminio








AN14300 (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)	
17		25.7	30	17	62	80	85	10	*2
19		28.2	30	19	61	80	89	10	*2
21		30.7	30	21	61	80	93	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42  P268-269

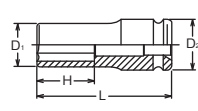
14113J  Impact Sockets with Plastic Stops for Hub Cap Screws
Vasos de Impacto con Topes de Plástico para Tornillos de Tapacubos








14113J (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
17		25.7	30	14	80	251	10	*2
19		28.2	30	16	80	286	10	*2
21		30.7	30	20	80	309	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42  P268-269

14113M  For Hub Cap Screws
Para Tornillos de Tapacubos

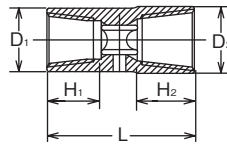


14113M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
17		25.7	30	34	80	230	10	*2
19		28.2	30	38	80	262	10	*2
21		30.7	30	42	80	285	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42  P268-269

14124 (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)		
21x24.5	1/2"	28	29.5	24	25	65	157	10
26x27.5		31.5	35	24.5	24.5	65	197	10

14124 Lock Nut Busters (Double Ended)
Tronzador de Tuercas (Dos Bocas)



14124/3 3 Pieces Set/=580g

CARDBOARD BOX:W125xH91xT43mm

Sockets	Accessory
14124 21x24.5 26x27.5	14760-75B



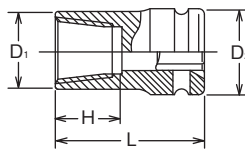
14124/3 Lock Nut Busters (Double Ended) in set
Juego Tronzador de Tuercas (Dos Bocas)



14124 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)			
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=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42 P268-269

14124 Lock Nut Busters
Tronzador de Tuercas



RS14124/7	7 Pieces Set/Rail 250mm	
18, 18.5, 19, 21, 24.5, 26, 27.5		980

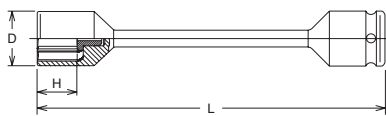
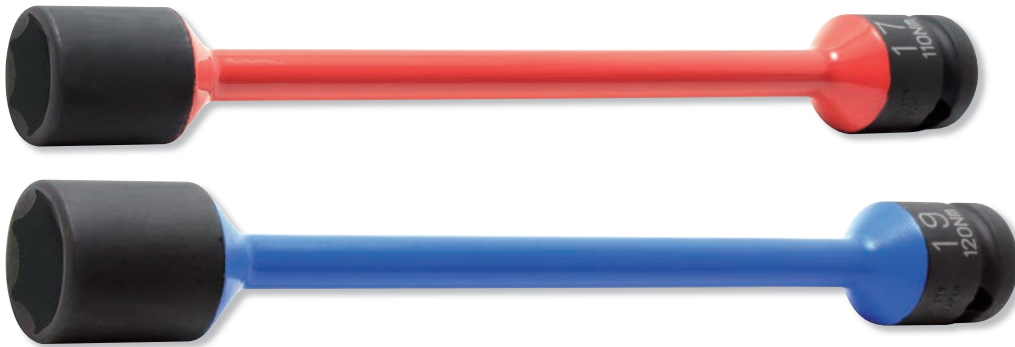
RS14124/7 Socket Set on Rail
Juego de Vasos en Regleta





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14101MP  Torsion Bars (for tightening only)
Barras de Torsión (Solamente para apriete) 



 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 dinamo-métrica.

14101MP (mmxNm)	D (mm)	H (mm)	L (mm)	Shaft Color	Pin/O-Ring (pcs.)	
17x 95Nm	24	16	214	Yellow	10	*1
17x110Nm	24	16	204	Red	10	*1
17x120Nm	24	16	203	Green	10	*1
19x 90Nm	26	18	259	Orange	10	*1
19x100Nm	26	18	233	White	10	*1
19x120Nm	26	18	204	Blue	10	*1
19x140Nm	26	18	199	Black	10	*1
21x100Nm	28	22	216	Black	10	*1
21x120Nm	28	22	205	Brown	10	*1
22x150Nm	29	22	220	Purple	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41  P268-269

14101MP/8H  Metal-Wall-Hanger for Workshops
Colgador de Pared Metálico para Talleres 



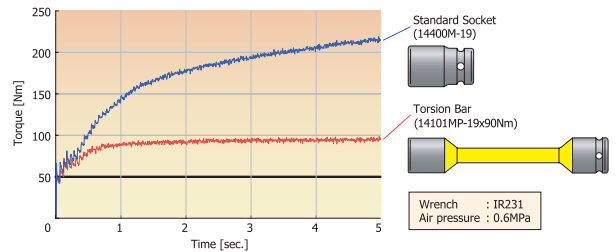
14101MP/8H 8 Pieces Set/  =2,300g
HANGER

Torsion Bar
 **14101MP** Impact Torsion Bars
17x95Nm, 17x110Nm, 17x120Nm,
19x90Nm, 19x100Nm, 19x120Nm, 19x140Nm, 21x100Nm



Torque table included in delivery.

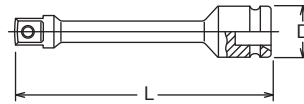
Torsion Bars



- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Colour coded shafts make size identification easy.




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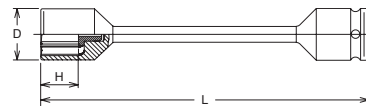
14112  Torsion Extension Bars (for tightening only)
Alargaderas de Torsión (solamente para apriete) 





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=C41, Pin/O-Ring=A41/B41 

14101M  Torsion Bars (for tightening only)
Barras de Torsión (solamente para apriete) 





14101M (mmxNm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
17x 60Nm	1/2"	24	16	216	227	1	*1
17x 75Nm		24	16	228	240	1	*1
17x 95Nm		24	16	214	256	1	*1
17x110Nm		24	16	204	285	1	*1
17x120Nm		24	16	203	284	1	*1
19x 60Nm		26	18	219	237	1	*1
19x 90Nm		26	18	259	275	1	*1
19x110Nm		26	18	214	278	1	*1
19x120Nm		26	18	204	297	1	*1
19x135Nm		26	18	204	339	1	*1
19x170Nm		26	18	193	332	1	*1
21x100Nm		28	22	216	288	1	*1
21x120Nm		28	22	205	288	1	*1
22x160Nm		29	22	210	385	1	*1



*1 C-Ring=C41, Pin/O-Ring=A41/B41 

16101M · 18101M  Torsion Bars (for tightening only)
Barras de Torsión (solamente para apriete) 




16101M (mmxNm)		D (mm)	H (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=C61, Pin/O-Ring=A61/B61 

18101M (mmxNm)		D (mm)	H (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=C81, Pin/O-Ring=A81/B81 

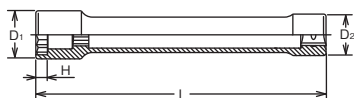
 As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede variar según el estado de la llave de impacto, se recomienda utilizar una llave dinamoétrica.

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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)	H (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)	H (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.

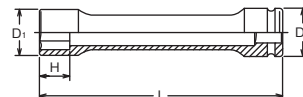


Combination type. 41Wx21W

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)	H (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
38		56.3	44	32	270	1610	1	*1
41		60	44	32	270	1640	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

18102M.270 (mm)	□	D ₁ (mm)	D ₂ (mm)	H (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
41		60	54	32	270	1800	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

16102M.400 (mm)	□	D ₁ (mm)	D ₂ (mm)	H (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=C61, Pin/O-Ring=A61/B61 → P268-269

18102M.400 (mm)	□	D ₁ (mm)	D ₂ (mm)	H (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=C81, Pin/O-Ring=A81/B81 → P268-269

PW6P (mmxmm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	⚡
32x17	47	44	12	75	Orange	621	2	*1
35x17	50	44	12	75	White	655	2	*1
38x20	55	44	12	75	Red	705	2	*1
41x19	58	44	12.5	80	Green	813	2	*1
41x20	58	44	12.5	80	Blue	813	2	*1
41x21	58	44	12.5	80	Yellow	779	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

PW8P (mmxmm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	⚡
35x17	50	54	12	83	White	867	2	*1
38x20	55	54	12	83	Red	941	2	*1
41x19	58	54	12.5	87	Green	1033	2	*1
41x20	58	54	12.5	87	Blue	1033	2	*1
41x21	58	54	12.5	87	Yellow	997	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

PW8P/4	4 Pieces Set/⚡=4.250g
CARDBOARD BOX:W240xH95xT70mm	
Sockets	
PW8P Impact Rear Wheel Nut Sockets	
35x17, 38x20, 41x19, 41x21	

PW8L (mmxmm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
41x21	1"	58	54	15	1263	1	*1


*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

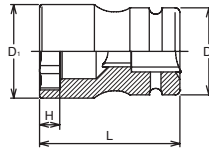
PS6 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
17	40	44	19	53	433	5	*1
19	40	44	19	53	419	5	*1
20	44	44	21	55	483	5	*1
21	44	44	23	60	491	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

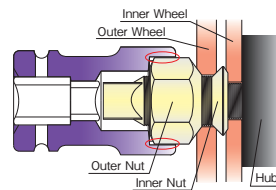
PS8 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
17	40	54	19	60	621	2	*1
19	43	54	19	60	648	2	*1
20	45	54	21	62	687	2	*1
21	45	54	23	64	696	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

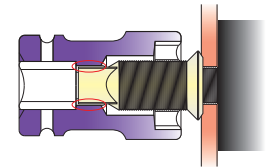
**PW6P
PW8P**  Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna




Tightening / Loosening Outer Nut



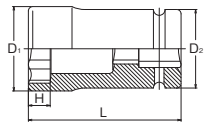
Tightening / Loosening Inner Nut




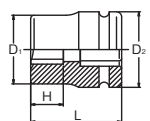
PW8P/4  Socket set of Rear Wheel Nut Sockets
Juego de Vasos de Tuerca de Rueda Interna



PW8L  Rear Wheel Nut Socket (long)
Vasos de Tuerca de Rueda Interna (largos)



**PS6
PS8**  Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

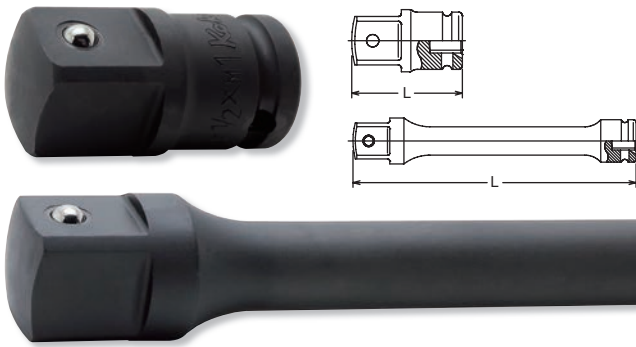


Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

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

14466A-200B 14488A-B · -200B

Adaptors Adaptadores No Warranty Sin Garantía ⚠



	□ (sq)	□ (sq)	L (mm)	⚖ (g)	📦 (pce.)	⚡
14466A-200B	1/2"	3/4"	200	560	1	*2
14488A-B	1/2"	1"	58	280	1	*2
14488A-200B	1/2"	1"	200	660	1	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P268-269

(PW8P-41X21 + 14488A-200B + 1/2" SQ. Impact wrench)



16316M · 16316A 18316M · 18316A

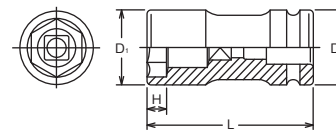
⊗ Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna



14466A-B / 14488A-B
Impact Adaptors (□1/2" SQ. → □3/4", 1" SQ.)

For temporary fastening a wheel nut socket for large vehicle with a light duty 1/2" SQ. DR. Impact wrench.

⚠ Socket is not completely locked with the Ball-type adaptor connection. Please beware of accidental socket release.



16316M (mmxmm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)	⚡
35x17	3/4"	52	44	10	90	865	1	*1
38x20		56	44	13	100	952	1	*1
41x19		59	44	12	100	1037	1	*1
41x21		59	44	15	100	963	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

18316M (mmxmm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)	⚡
35x17	1"	52	54	10	108	1153	1	*1
38x20		56	54	13	108	1133	1	*1
41x19		59	54	12	108	1200	1	*1
41x21		59	54	15	108	1155	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

16316A (inchxinch)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)	⚡
1.1/2x13/16	3/4"	56	44	13	100	940	1	*1

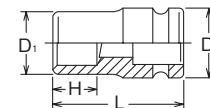
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

18316A (inchxinch)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)	⚡
1.1/2x13/16	1"	59	54	13	108	1120	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

16317M · 16317A 18317M · 18317A

⊗ Rear Wheel Nut Sockets Vasos de Tuerca de Rueda Interna



16317M (mm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)	⚡
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=C61, Pin/O-Ring=A61/B61 → P268-269

18317M (mm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)	⚡
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=C81, Pin/O-Ring=A81/B81 → P268-269

16317A (inch)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)	⚡
13/16	3/4"	44	44	22.5	67	489	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P268-269

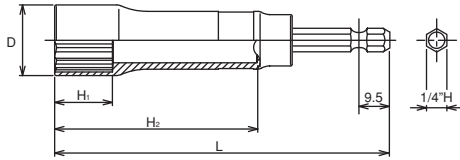
18317A (inch)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)	⚡
13/16	1"	45	54	22.5	72	703	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P268-269

Construction

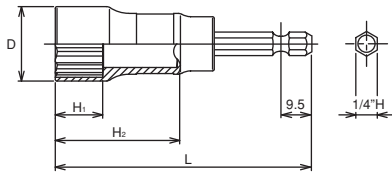


BD014E 12-point Nut Setters, Deep
Vasos Bihex para Apretar Tuercas, largos



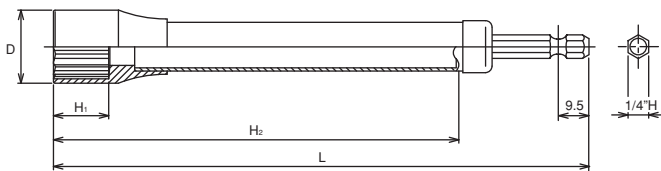
BD014E (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	12	63	104	45	10
10	14	12	63	104	52	10
12	16.5	18	63	104	61	10
13	17.5	18	63	104	65	10
14	19	18	63	104	72	10
17	22.5	18	60	104	80	10
19	24.5	18	60	104	95	10
21	27	18	60	104	110	10
22	28	18	60	104	112	10
24	30.3	18	60	104	123	10

BD014SE 12-point Nut Setters
Vasos Bihex para Apretar Tuercas



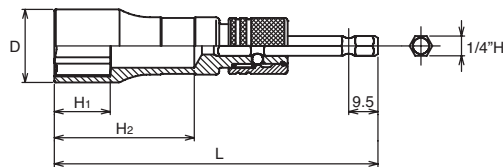
BD014SE (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

BD008E-165 (12P) 12-point Nut Setters, Extra Long
Vasos Bihex para Apretar Tuercas



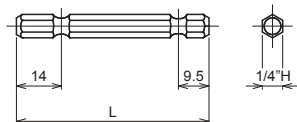
BD008E.165 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	110	165	105	10
19(12P)	24.8	17	110	165	135	10
21(12P)	27.3	17	110	165	142	10

BD042E 6-point Nut Setters, deep (Exchangeable Drive Shank)



BD042E (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17	23.5	18	45	111	114	10
19	25.5	18	45	111	119	10
21	28	18	45	111	132	10
24	31.5	18	45	111	147	10

BIT-60E Bits



	L (mm)	(g)	(pcs.)
BIT-60E	60	10	10

BD014XE (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8SF	13	12	49	90	40	10
10SF	15	12	49	90	46	10
12SF	17.5	14	48	90	54	10
13SF	18.5	14	48	90	58	10
14SF	19.8	14	47	90	64	10
17SF	23.5	14	46	90	81	10
19SF	25.5	14	46	90	100	10
21SF	28	14	46	90	123	10
24SF	31.5	14	45	90	137	10

BD014E (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17SF	23.5	18	60	104	94	10
19SF	25.5	18	60	104	100	10
21SF	28	18	60	104	110	10

SURFACE DRIVE

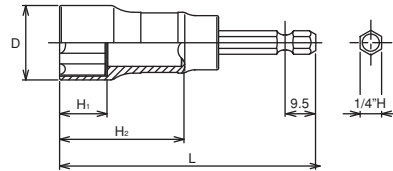
Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

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

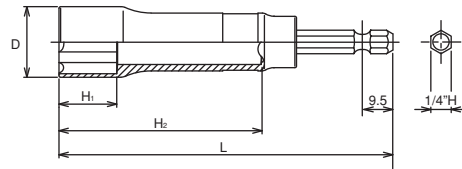


BD011SE (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	14	12	35	100	73	10
12	16.5	12	35	100	77	10
13	17.5	12	35	100	79	10
14	19	12	32	100	82	10
17	22.5	14	32	100	87	10
19	24.5	14	30	100	94	10
21	27	14	30	100	103	10
22	28	14	30	100	104	10

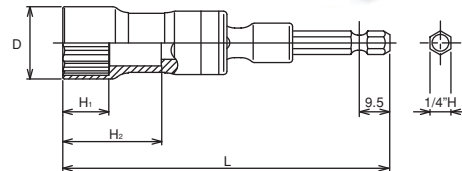
BD014XE-SF Surface Drive Nut Setters, Semi-Deep Vasos semi-largos con Mango



BD014E-SF Surface Drive Nut Setters Vasos con Mango



BD011SE 12-point Universal Joint Nut Setters Vasos Bihex para Apretar Tuercas con Articulación Universal



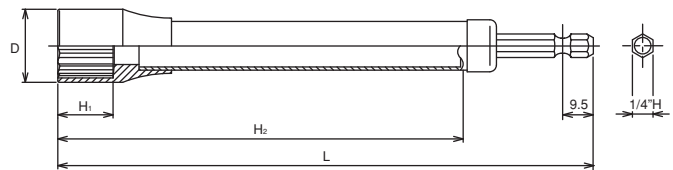
BD008E-300 · -500 · -700 (12P) 12-point Nut Setters, Extra Long Vasos Bihex para Apretar Tuercas



BD008E-300 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	245	300	154	2
19(12P)	24.8	17	245	300	204	2
21(12P)	27.3	17	245	300	214	2

BD008E-500 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	445	500	223	2
19(12P)	24.8	17	445	500	293	2

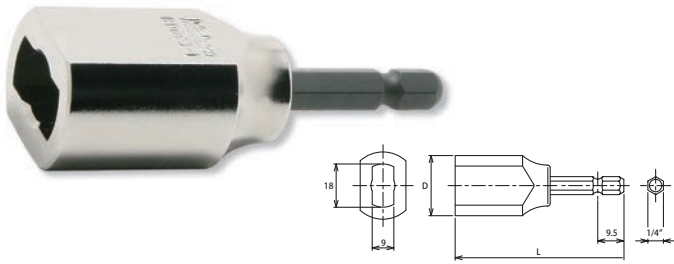
BD008E-700 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	645	700	292	2



Z-SERIES
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INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE HERRAMIENTAS

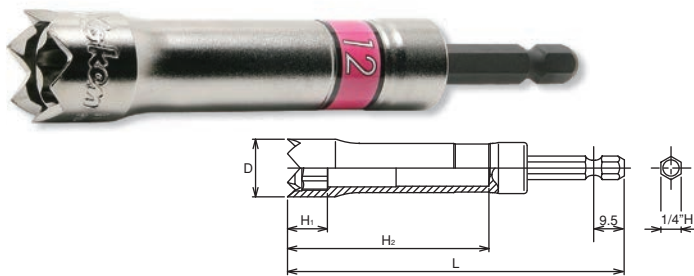
Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCION
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

BD003E-I



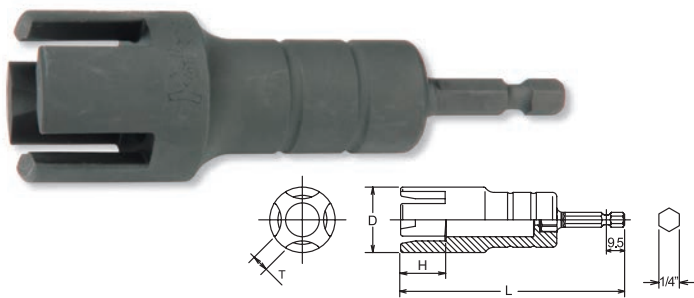
	D (mm)	L (mm)	(g)	(pcs.)
BD003E-I	25	70	95	10

BD013E



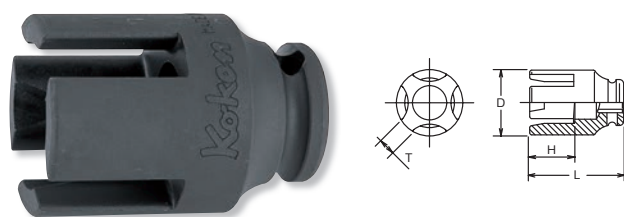
BD013E (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
12	17.8	12.5	63	105	69	10

BD017E Wing Bolt Socket for Electric Drill Vaso para Tuerca de Orejetas para Taladro eléctrico



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
BD017E	31	7.3	21	104	158	10

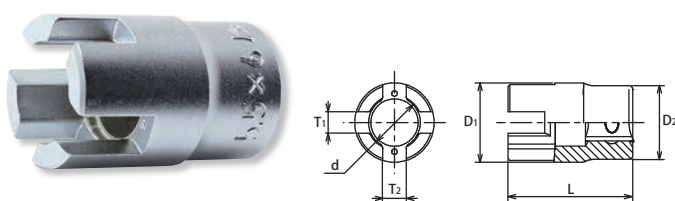
BD018 Wing Bolt Socket Vaso para Tuerca de Orejetas



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)	
BD018	31	7.3	21	45	113	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P268-269

3119 Wing Bolt Socket Vaso para Tuerca de Orejetas



3119 (mm)	T ₁ ×T ₂ (mm)	D ₁ (mm)	D ₂ (mm)	d (mm)	L (mm)	(g)	(pcs.)
3 x5	3 x5	17	17.3	11	30	30	10
5.5x6	5.5x6	21	19.5	14	33	45	10



For Wing Bolt
Para Tuercas de Mariposa

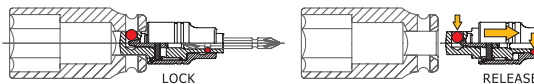


For Drain Plug in Radiator
Para conectores de drenaje en Radiadores

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

BD030W		D (mm)	L (mm)	(g)	(pcs.)
1/2	1/2"	23	57	115	10



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

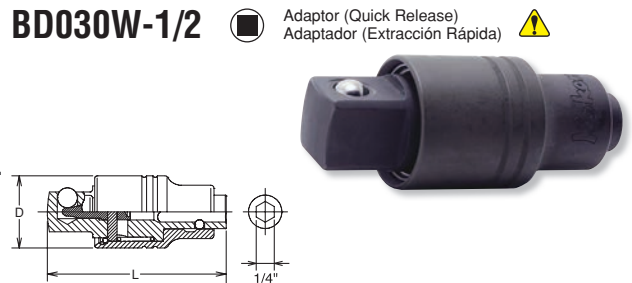
123PN.110 123PG.110 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	110	25	10
2	6.35	110	25	10
3	6.35	110	26	10

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

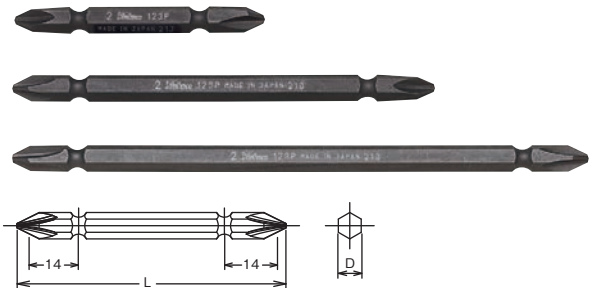
184E.64	D (mm)	H ₁ (mm)	H ₂ (mm)	G (mm)	L (mm)	(g)	(pcs.)
New 3/8x24UNF	12.5	14.5	13	9.5	64	34	10
New 1/2x20UNF	12.5	15.5	13	9.5	64	40	10

184.64	D (mm)	H ₁ (mm)	H ₂ (mm)	G (mm)	L (mm)	(g)	(pcs.)
3/8x24UNF	12.5	14.5	13	14	64	34	10
1/2x20UNF	12.5	15.5	13	14	64	40	10



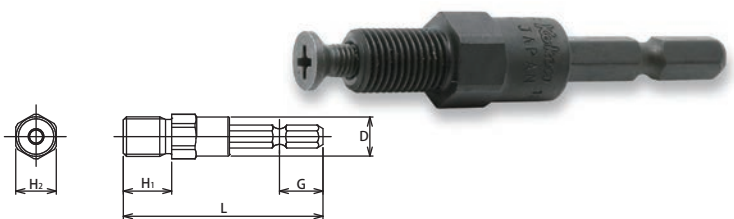
123PN-65 · -110 · -150 Double ended Bits
Puntas PH, simétricas

123PG-65 · -110 · -150 Magnetic type



184E.64 Drill Chuck Adaptor
Adaptador porta-brocas para Taladro

184.64 Drill Chuck Adaptor
Adaptador porta-brocas para Taladro



14184		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
3/8x24UNF	1/2"	25	14.5	22	44	85	10	*1
1/2x20UNF	1/2"	25	15.5	22	44	88	10	*1

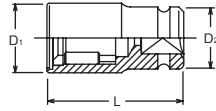
*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P268-269



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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	5	*2
12.5x16		38	30	75	369	5	*2
20 x19	3/4"	48	44	90	775	2	*3
20 x22		48	44	90	752	2	*3
20 x25		62	44	95	1184	2	*3
20 x29		62	44	95	1148	2	*3

*1 C-Ring=C41, Pin/O-Ring=A41/B41

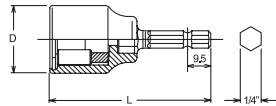
*2 C-Ring=C42, Pin/O-Ring=A42/B42

*3 C-Ring=C61, Pin/O-Ring=A61/B61

➔ P268-269



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

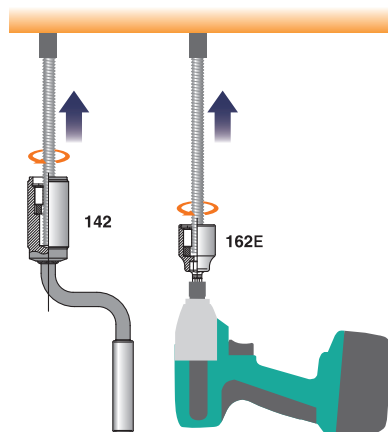
*Renewal Kits → 162RK

➔ P323

142 ○ Stud Setters
Vasos de Atornillar Espárragos



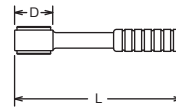
142 (inch)	L (mm)	⚖️ (g)	📦 (pce.)
5/16	190	304	1
3/8	190	361	1
1/2	190	354	1



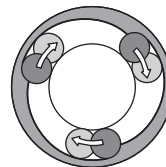
141S (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

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



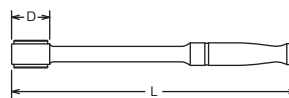
Stud Puller Ratchet (141S/141/141P)
The three roller system can protect the studs from damage.

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



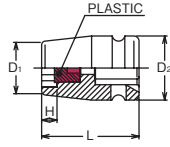
1201 Stud Puller Ratchets Set
Juego de Extractores de Espárragos de Carraca








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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

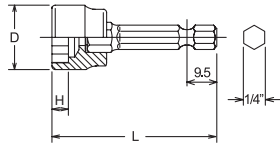
BD14400MJ  6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje





BD14400MJ (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
13		20.7	25	5	38	140	10	*1
15		23.2	30	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

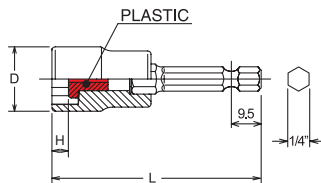
*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42 [➔ P268-269](#)



BD016E  6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje



BD016E (mm)	D (mm)	H (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

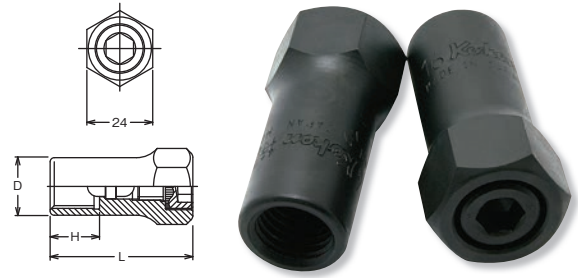
BD016JE  6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje



BD016JE (mm)	D (mm)	H (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

HA001	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.75)	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

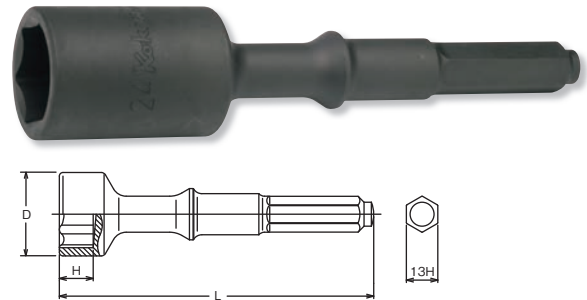
HA001 Stud Setters
Vasos para Atornillar Espárragos



HA002.130 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	130	246	10

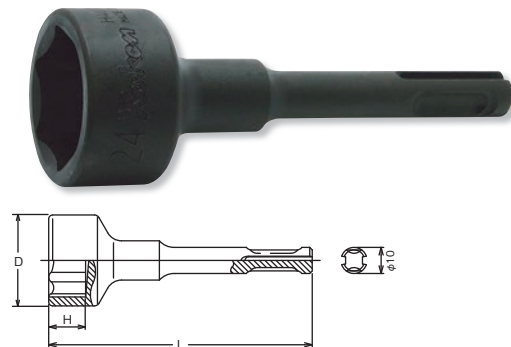
HA002.160 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	160	465	10

HA002-130 · -160 Socket for HA001
Vaso para HA001



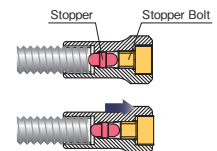
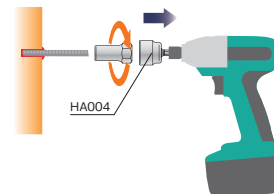
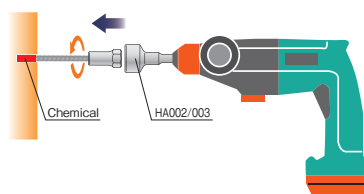
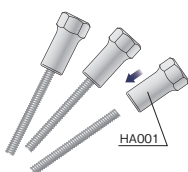
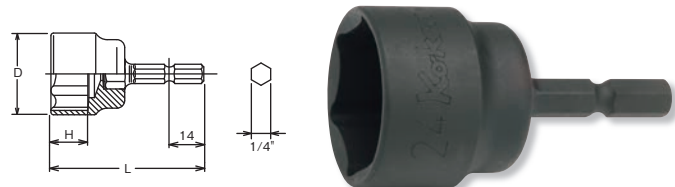
HA003.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	100	155	10

HA003-100 Socket for HA001
Vaso para HA001



HA004 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	31	16.5	58	91	10

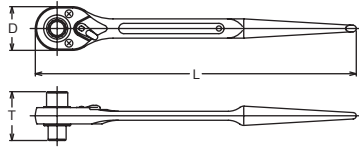
HA004





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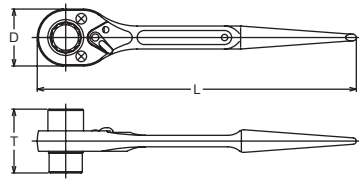
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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO



170S  Spud Handle Ratchets
Llaves de Carraca con Mango de Cola



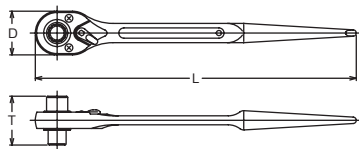
170S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
10x12	34	38	250	260	1
10x13	34	38	250	260	1
10x14	34	38	250	260	1
11x13	34	38	250	260	1
12x14	34	38	250	260	1



171S  Spud Handle Ratchets(Short)
Llaves de Carraca con Mango de Cola(Cortas)



171S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
13x17	44.6	50	250	460	1
14x17	44.6	50	250	460	1
17x19	44.6	50	250	460	1
17x21	44.6	50	250	460	1
17x22	44.6	50	250	460	1
19x21	44.6	50	250	460	1
19x22	44.6	50	250	460	1

171  Spud Handle Ratchets(Long)
Llaves de Carraca con Mango de Cola(Largas)

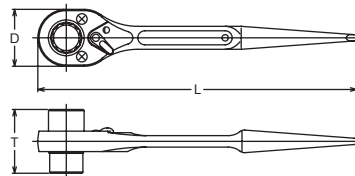


171 (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
13x17	44.6	50	380	630	1
14x17	44.6	50	380	630	1
17x19	44.6	50	380	630	1
17x21	44.6	50	380	630	1
17x22	44.6	50	380	630	1
19x21	44.6	50	380	630	1
19x22	44.6	50	380	630	1

172  Spud Handle Ratchets
Llaves de Carraca con Mango de Cola




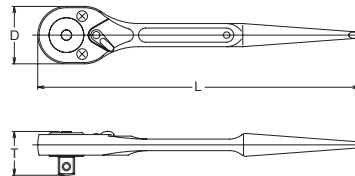
172 (mm)	D (mm)	T (mm)	L (mm)	(g)	(pce.)
19x24	68	58	380	1100	1
21x26	68	58	380	1100	1
22x24	68	58	380	1100	1
23x26	68	58	380	1100	1
24x27	68	58	380	1100	1
24x30	68	58	380	1100	1
26x32	68	63	380	1100	1
27x32	68	58	380	1100	1
30x32	68	58	380	1100	1



171SB-1/2 Spud Handle Ratchet with Push Button(short)
Llave de Carraca con Mango de Cola con Botón(corta)




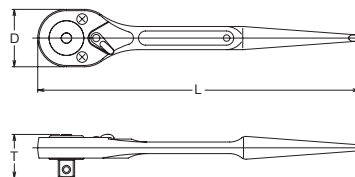
		D (mm)	T (mm)	L (mm)	(g)	(pce.)
171SB-1/2	1/2"	44.6	33	250	480	1



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



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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.

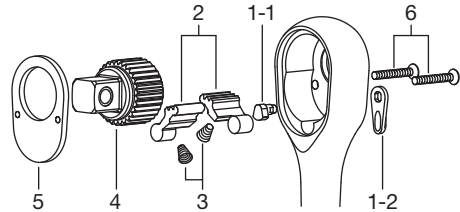
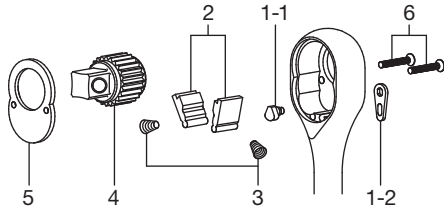
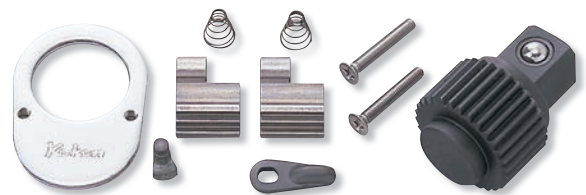
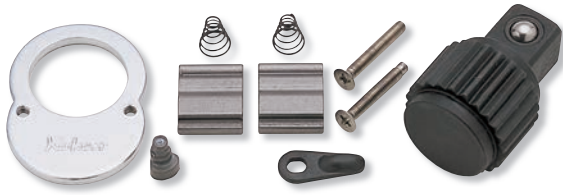
Ko-ken da la bienvenida a todas las solicitudes por herramientas especiales de nuestros clientes. Productos nuevos pueden ser diseñados y fabricados de acuerdo a sus necesidades. Por favor haga su solicitud a través nuestra red de distribuidores.

Renewal Kits



Renewal Kits

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RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

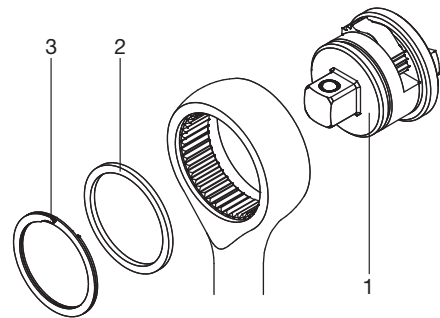


- 1-1 Reversion Cam
- 1-2 Reversion Lever
- 2 Dog
- 3 Spring
- 4 Square Drive
- 5 Cover Plate
- 6 Screw

- 1-1 Reversion Cam
- 1-2 Reversion Lever
- 2 Dog
- 3 Spring
- 4 Square Drive
- 5 Cover Plate
- 6 Screw

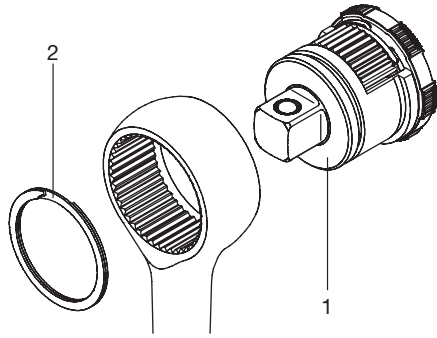
	☑	Products	(g)	(pce.)
2749RK		2749N/P/J	30	1
2753RK	1/4"	2753N/P/J, 2753PS/PSKR, 2753P-160, 2774PS/J, 2774N/P/J	30	1
2753BRK		2753NB/PB/JB	31	1
2749RK-3/8		2749PS-3/8, 2749N-3/8, 2749P-3/8, 2774PS-3/8, 2774JS-3/8	45	1
3749RK		3749S, 3749N	70	1
3749BRK	3/8"	3749SB	84	1
3753RK		3753N/P/J, 3753SM, 3753P-250, 3774N/P/J, 3774PS, 3774NL/PL/JL	84	1
3753BRK		3753NB/PB/JB, 3753SMB, 3774NB/PB/JB/JBL	76	1
3749SRK-1/2		3749S-1/2	120	1
3749SBRK-1/2		3749SB-1/2	120	1
4749RK	1/2"	4749N-250, 4749N-380, 4749J-380	130	1
4753RK		4753N/P/J, 4753P-410, 4774N/P/J, 4774P-450	130	1
4753BRK		4753NB/PB/JB, 4774NB/PB/JB	130	1
6749RK	3/4"	6749, 6749-1000	580	1
8749RK	1"	8749, 8749-1000	800	1

	☑	Products	(g)	(pce.)
4750RK	1/2"	4750N/P/J	130	1
4750BRK		4750NB/PB/JB	130	1



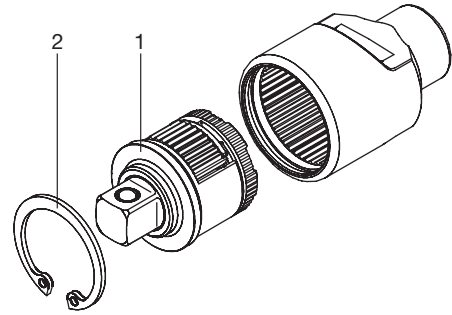
- 1 Head
- 2 Ring
- 3 Retaining Ring

	☑	Products	(g)	(pce.)
2752RK	1/4"	2752N	42	1



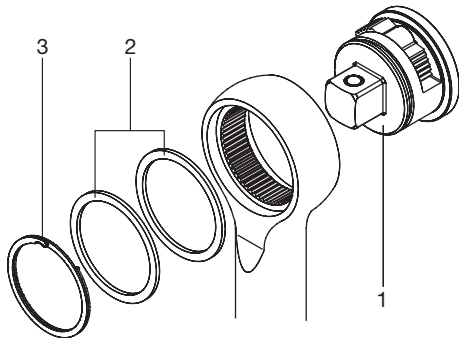
1 Head
2 Retaining Ring

	□	Products	(g)	(pce.)
3752RK	3/8"	3752N/J, 3757, 3776N/P/J	84	1
4752RK	1/2"	4752N/J	140	1



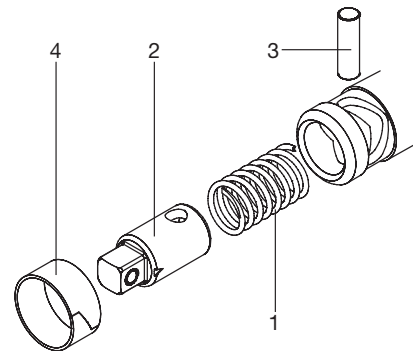
1 Head
2 Retaining Ring

	□	Products	(g)	(pce.)
2755RK	1/4"	2755	40	1
3755RK	3/8"	3755	98	1
4755RK	1/2"	4755	137	1
6755RK	3/4"	6755	550	1



1 Head
2 Ring
3 Retaining Ring

	□	Products	(g)	(pce.)
6752RK	3/4"	6752	600	1

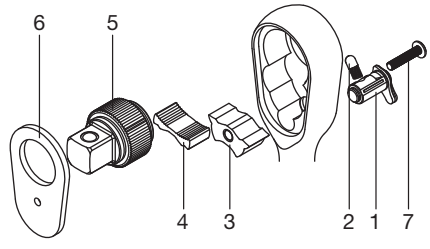
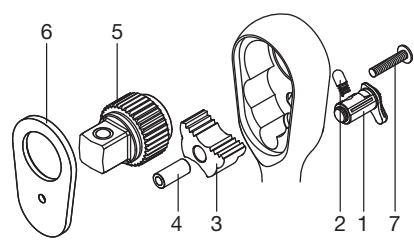


1 Spring
2 Square Drive
3 Pin
4 Retaining Ring

	□	Products	(g)	(pce.)
3112RK	3/8"	3112N	106	1
4112RK	1/2"	4112N	116	1
6112RK	3/4"	6112	445	1

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



- 1 Reversion Lever
- 2 Pin+Spring
- 3 Pawl
- 4 Sleeve
- 5 Square Drive
- 6 Cover Plate
- 7 Screw

- 1 Reversion Lever
- 2 Pin+Spring
- 3 Pawl (Large)
- 4 Pawl (Small)
- 5 Square Drive
- 6 Cover Plate
- 7 Screw

For 36 Tooth

	□	Products	(g)	(pce.)
2725RK-1	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
2725RK-3/8	3/8"	2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
3725RK-1	3/8"	3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
4725RK-1	1/2"	4725Z	120	1

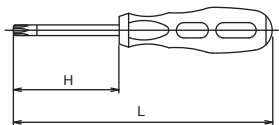
For 72 Tooth

	□	Products	(g)	(pce.)
New 2725RK-2	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
New 2725RK-2(3/8)	3/8"	2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
New 2725BRK-1(3/8)	3/8"	2725ZB-3/8, 2725ZB-3/8(L160), 2726ZB-3/8, 2726ZB-3/8(L160)	45	1
New 3725RK-2	3/8"	3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
New 3725BRK-1	3/8"	3725ZB, 3725ZSB, 3725ZB-280, 3726ZB, 3726ZSB, 3726ZB-280	50	1
New 4725RK-2	1/2"	4725Z	120	1
New 4725BRK-1	1/2"	4725ZB	120	1

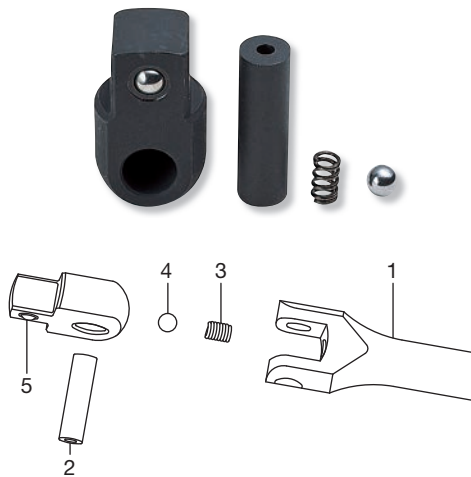
⚠ 72 Tooth RK do not fit on 36 Tooth Ratchet.



TORXPLUS® 6IP Screwdriver for 2725RK
 TORXPLUS® 8IP Screwdriver for 3725RK
 TORXPLUS® 10IP Screwdriver for 4725RK

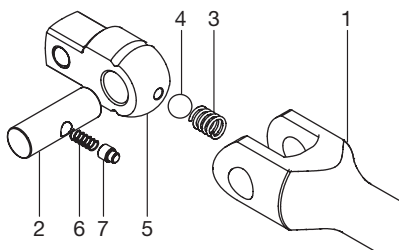


168T (IP)	H (mm)	L (mm)	(g)	(pce.)
6IP(40)	40	110	20	1
8IP(40)	40	110	20	1
10IP(40)	40	110	22	1



- 1 Body
- 2 Pin
- 3 Coil Spring
- 4 Ball
- 5 Square Drive

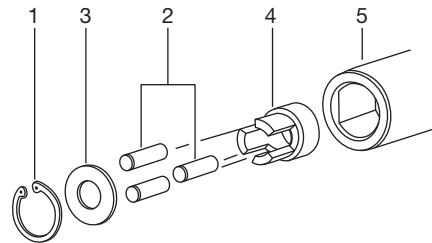
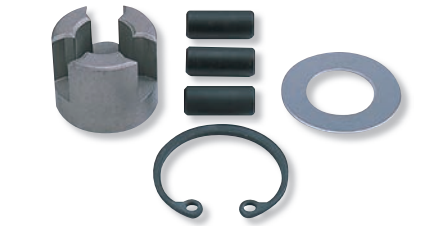
	▣	Products	(g)	(pce.)
2768RK	1/4"	2768N/P/J	40	1



- 1 Body
- 2 Pin
- 3 Coil Spring
- 4 Ball
- 5 Square Drive
- 6 Coil Spring
- 7 Plunger



	▣	Products	(g)	(pce.)
3768RK	3/8"	3768N-175/250/300, 3768P-250/380, 3768J-250	40	1
3768ZRK	3/8"	3768Z-250/400	40	1
4768RK	1/2"	4768N-300/380/450/600, 4768N-380/450/600, 4768J-380/450/600, 4781N-450	137	1
4768ZRK	1/2"	4768Z-430	137	1
6768RK	3/4"	6768, 6768-600, 6768-1000	175	1
8768RK	1"	8768, 8768-1000	465	1



- 1 Retaining Ring
- 2 Roller
- 3 Cover
- 4 Cage
- 5 Body

4100MRK (mm)	▣	Products	(pce.)
6	1/2"	4100M-6	1
7		4100M-7	1
8		4100M-8	1
9		4100M-9	1
10		4100M-10	1
10.5		4100M-10.5	1
11		4100M-11	1
12		4100M-12	1
14		4100M-14	1
16		4100M-16	1

4100ARK (inch)	▣	Products	(pce.)
1/4	1/2"	4100A-1/4	1
5/16		4100A-5/16	1
3/8		4100A-3/8	1
7/16		4100A-7/16	1
1/2		4100A-1/2	1
9/16		4100A-9/16	1
5/8		4100A-5/8	1

6100MRK (mm)	▣	Products	(pce.)
18	3/4"	6100M-18	1
20		6100M-20	1
22		6100M-22	1
24		6100M-24	1
27		6100M-27	1
28		6100M-28	1
29		6100M-29	1
30		6100M-30	1

162RK	Products	(pce.)
5/16	162E-5/16	1
3/8	162E-3/8	1
1/2	162E-1/2	1
10	162E-10	1

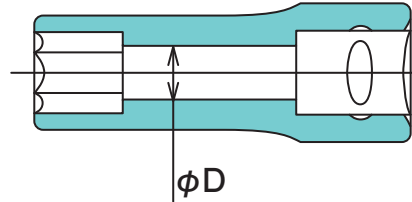
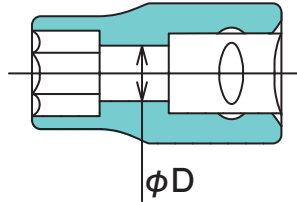
Z-SERIES
HAND
MANUALES
DE TITANIO
TITANIUM
ACCESORIES
ACCESORIOS
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Screwdrivers
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AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JIFCOS DE HERRAMIENTAS

HAND SOCKETS / Diameter of Bore

Standard Socket



Deep Socket

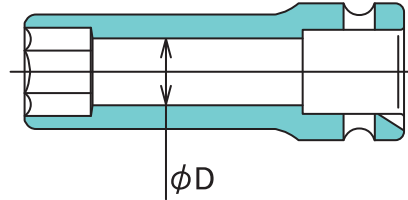
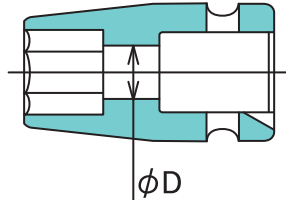



SOCKET		1/4" $\text{\textcircled{O}}$		3/8" $\text{\textcircled{O}}$		1/2" $\text{\textcircled{O}}$		3/4" $\text{\textcircled{O}}$		1" $\text{\textcircled{O}}$
		Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	Standard
		2400M 2400A	2300M 2300A	3400M 3400A	3300M 3300A	4400M 4400A	4300M 4300A	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	3							
4.5		3.5	3.5							
5	3/16	4	4							
5.5	7/32	4.5	4.5	4.5	4.5					
6	1/4	4.5	5	5	5					
7	9/32	6.2	6	5.5	6					
8	5/16	6.2	7	6	7	6	7			
9	11/32	8.3	8.3	7	8	7	8			
10	3/8	9.4	9	8	9	8	9			
11	7/16	10	10	9	10	9	10			
12		10	11	10	11	10	11			
13	1/2	11.5	12	11	12	11	12			
14	9/16	13	13	13.5	13.5	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	18	18	16	18	
20	25/32			17	19	18	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	22	24	
26	1			23	25	23	25	23	25	
27	1- 1/16				26	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	32	28
34						29	33	29	33	29
35	1- 3/8					30	34	30	34	30
36						31	35	31	35	31
37	1- 7/16					31	36	31	36	31
38	1- 1/2					32	37	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" \square		3/8" \square		1/2" \square		3/4" \square		1" \square	
		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	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		20		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					23	27	24	27	24	27	
29	1- 1/8				23	28	25	28	25	28	
30	1- 3/16				23	29	26	29	26	29	
31					23	30	27	30	27	30	
32	1- 1/4				23	31	28	31	28	31	
33					25	32	29	32	29	32	
34	1- 5/16				25	33	30	33	30	33	
35	1- 3/8				25	34	31	34	31	34	
36					28	35	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® / TORX^{plus}® 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

TORX® / TORX^{plus}® 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

TORX^{plus}® Tamper-Resistant BITS

		S1 (mm)	S2 (mm)
8IPR		2.2	2.0
9IPR		2.4	2.2
10IPR		2.6	2.4
15IPR		3.1	2.8
20IPR		3.6	3.3
25IPR		4.1	3.8
27IPR		4.7	4.3
30IPR		5.2	4.8
40IPR		6.3	5.7
45IPR		7.4	6.7
50IPR		8.4	7.6
55IPR		10.6	9.7

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

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

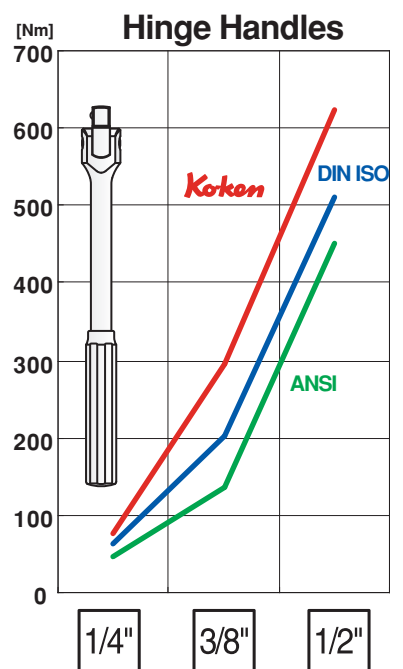
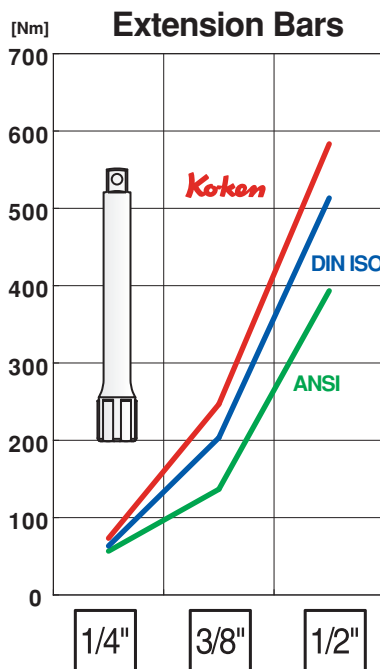
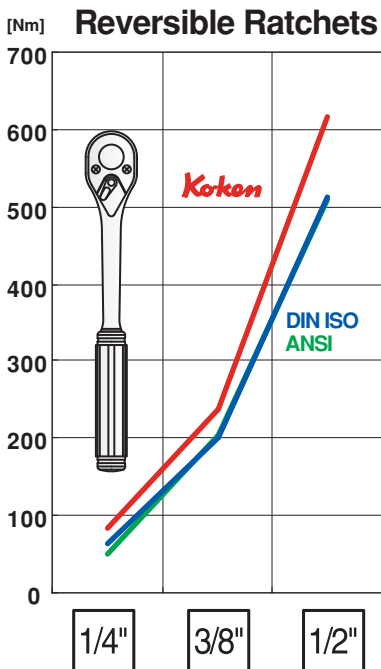
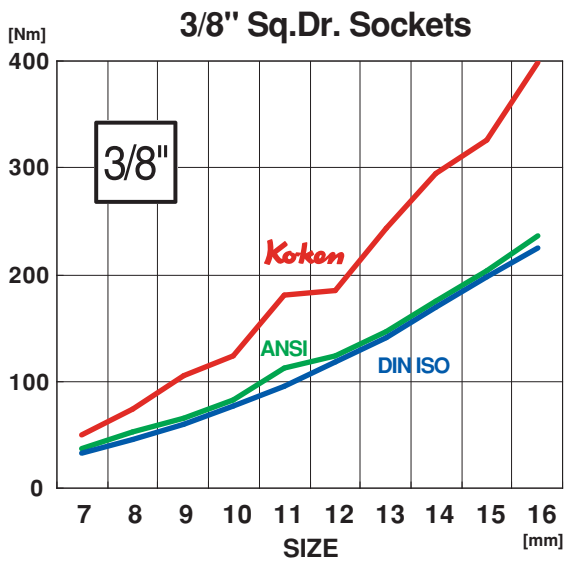
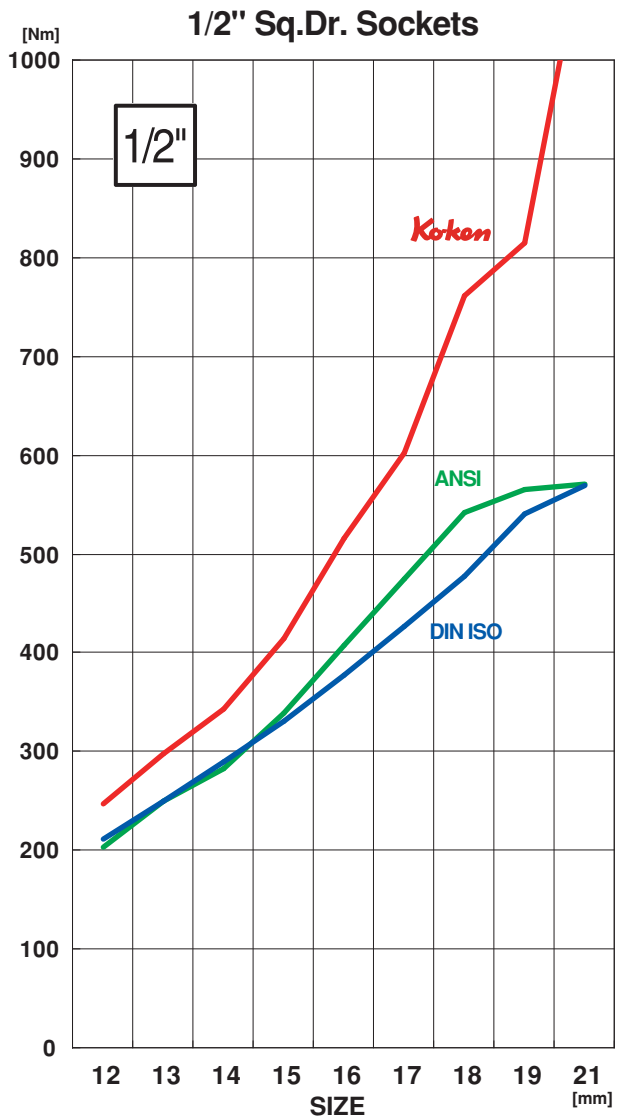
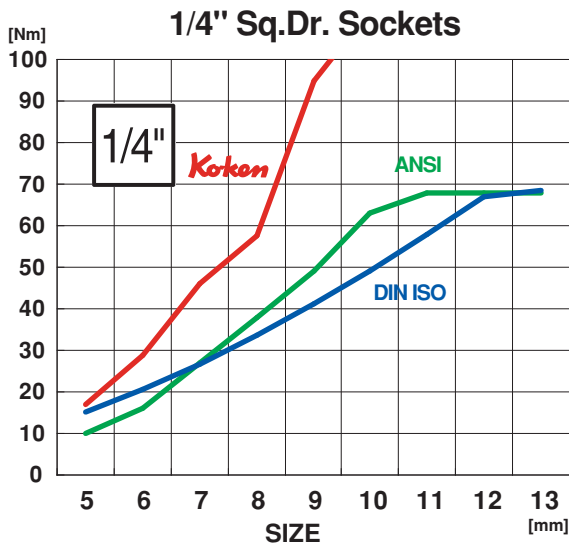
Ribe CV BITS

		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

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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	0.3969	25.4000	50.8000	76.2000	101.6000	127.0000	152.4000	177.8000	203.2000	228.6000
1/32	0.03125	0.7938	26.1938	51.5938	76.9938	102.3938	127.7938	153.1938	178.5938	203.9938	229.3938	254.7938	280.1938
3/64	0.04688	1.1906	26.9906	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	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	0.03125	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	0.06250	306.3875	331.7875	357.1875	382.5875	407.9875	433.3875	458.7875	484.1875	509.5875	534.9875	560.3875	585.7875
	0.09375	307.1813	332.5813	357.9813	383.3813	408.7813	434.1813	459.5813	484.9813	510.3813	535.7813	561.1813	586.5813
1/8	0.12500	307.975											



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102NM	164	13134T (T)	209	14113M	300	14760-P.FR	280
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104M	158, 297	13142-F6.3	177	14134X (XZN)	224	15310M	232
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108H	172	13300G-FR	279	14145MG	226	15566A	232
108P	172	13300M	203	14145PM-110	298	156M	158
108S	172	13300M-FR	279	14146M	226	15770	232
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1203	166	13400M-FR	279	14245M	230	16245M	243
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12300G	196	13440A	205	14400M	213	16400M	233
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16666AL	242	18771	253	2415M	049	2774JS	060
16688A	242	18866A	253	2425	051	2774JS-3/8	092
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