



Koken[®]

Koken TOOL CO., LTD.





INDEX

Z-series

P021 - 044



Z-SERIES

Hand Sockets

P045 - 146



HAND
MANUALES

Titanium Sockets

P147 - 148



TITANIUM
DE TITANIO

Accessories

P149 - 186



ACCESSORIES
ACCESORIOS

Screwdrivers

P187 - 192



SCREWDRIVERS
DESTORNILLADORES

Impact Sockets

P193 - 262



IMPACT
DE IMPACTO

Sleeve Drive Sockets

P263 - 269



SLEEVE-DRIVE

Industrial Sockets

P273 - 278



INDUSTRIAL
INDUSTRIALES

Protector Sockets

P279 - 284



PROTECTOR
PROTECTORES

Automotive Tools

P285 - 308



AUTOMOTIVE

Construction

P309 - 317



CONSTRUCTION
CONSTRUCCION

Renewal Kits

P319 - 323



RENEWAL KITS
JUEGOS DE PIEZAS REPLETO

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 External		

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

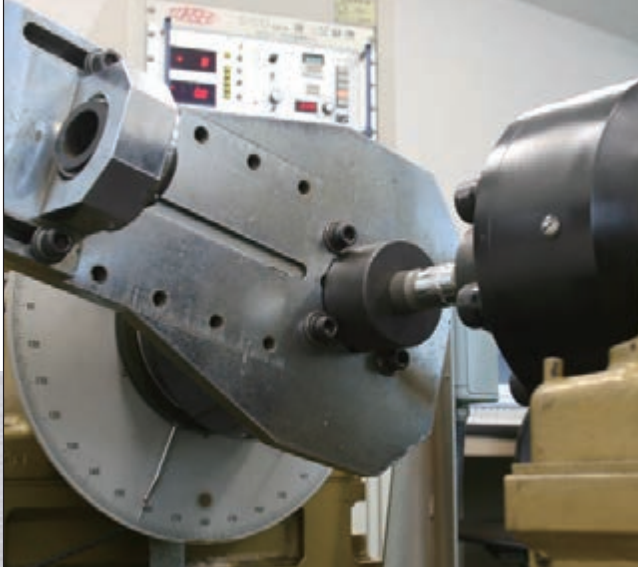


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Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.



■ 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 Forming 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

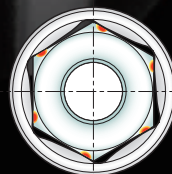


Our products are periodically checked at each production process by inspection devices. Highly accurate 3-D measuring instruments are used to inspect and check dimensions.





FLAT DRIVE®



FLAT DRIVE®

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



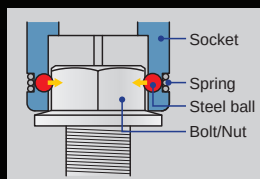
NUT GRIP®



NUT GRIP®



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

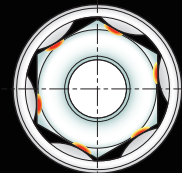


El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable.

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.

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



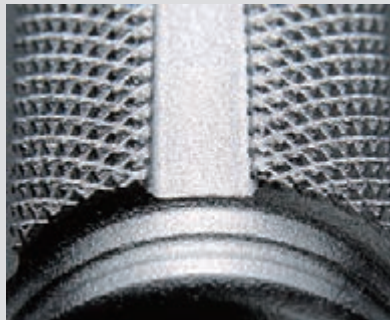
OVAL SHAPE SHANK



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.



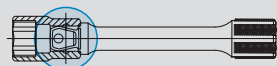
WOBBLE-FIX



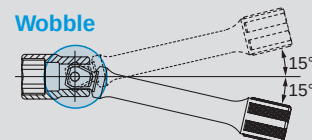
One use as a flexible extension bar permitting movement up to 15° angle and the other as a normal extension bar.

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-rollers protect the bolt from damage.

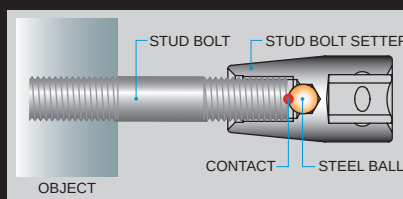


STUD BOLT PULLER



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



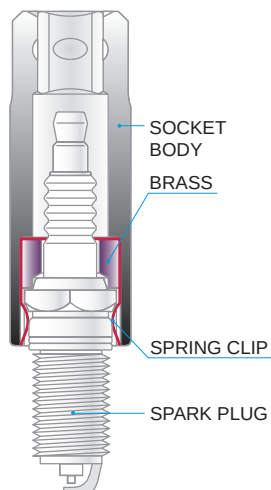
SPARK PLUG SOCKET

CLIP TYPE

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

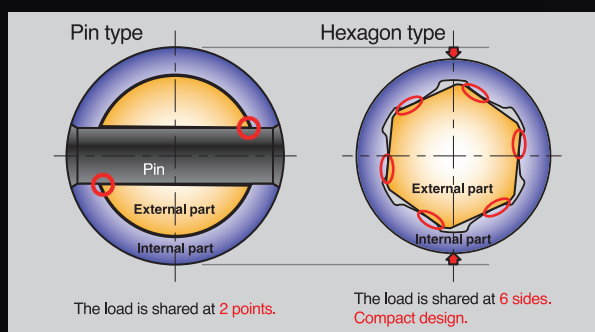
Internal brass guide holds the clips in place ensuring perfect alignment of the spark plug into the threaded plughole of the cylinder head and thus preventing thread damage.

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.



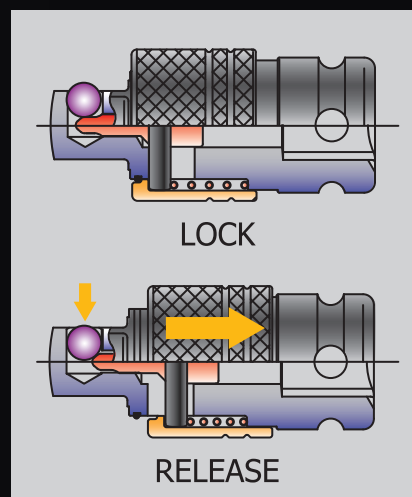
LOCKING ADAPTOR

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.



LOCKING ADAPTOR





NUTTWISTER®

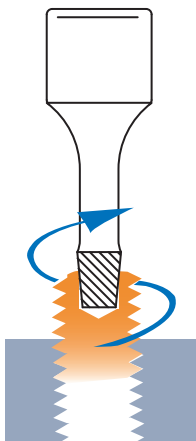


The NUTTWISTER's six teeth have a special helical structure that tapers inward, locking onto the rounded-off bolt or nut for removal. NUTTWISTER can be applied to any round bolts like stud bolts, cap bolts, provided the correct size is used and the bolt or nut is unbroken.

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.



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

GARANTIA

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

ISO9001





SAFETY
ADVISER



GENERAL / CONSIDERACIONES GENERALES

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

SOCKETS / VASOS

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

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

HANDLES / MANGOS

A ratchet is not a hammer

Una llave de carraca no es un martillo.

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

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

EXTENSION BARS / ALARGADERAS

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

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

ADAPTORS / ADAPTADORES

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

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

Koken®

Z-series



Koken Z-series

Z series - Evolution of Automotive service Lineup



Z-series MOVIE

- 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

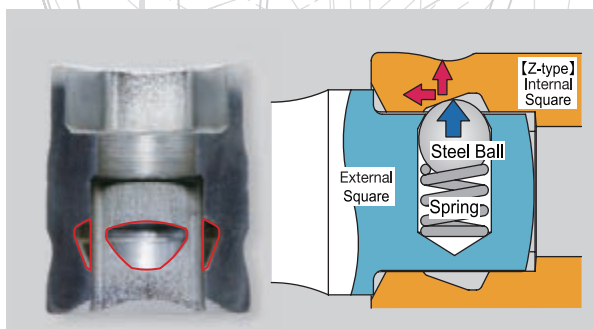
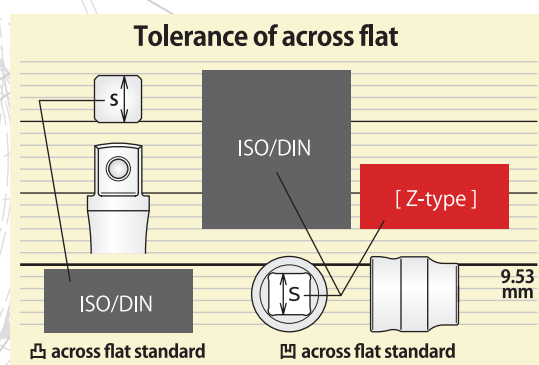
The designs were thoroughly reviewed to produce the Z-series.

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.

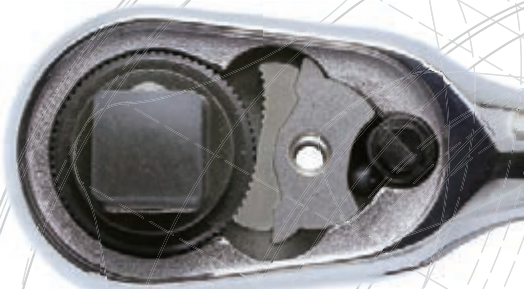
To reduce this movement, we thoroughly reviewed dimensional accuracy of all the joint parts of Z-series, and any movement in the rotating direction has now been minimized through production technologies.



• 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 -

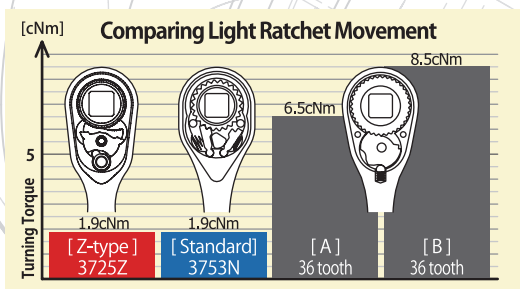


• 72 tooth gear Ratchet Handle - Light Ratchet Movement

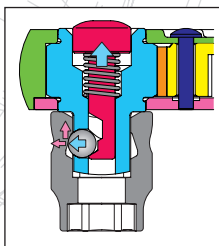
This ratchet handle has a new mechanism for enhanced usability.

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".

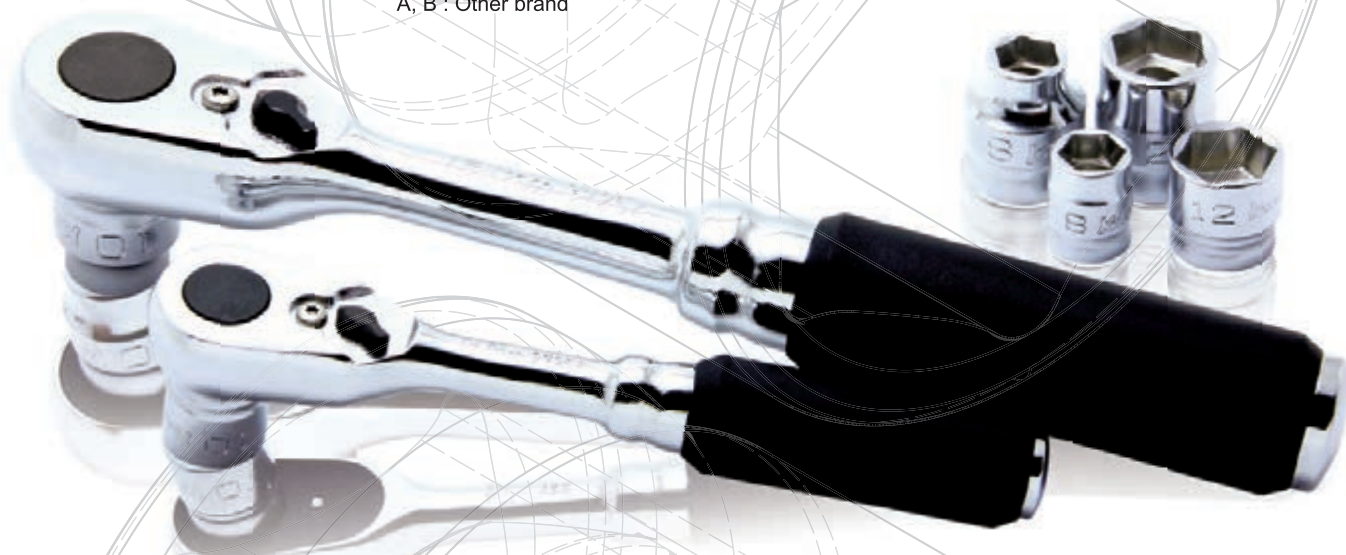


A, B : Other brand



• 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.



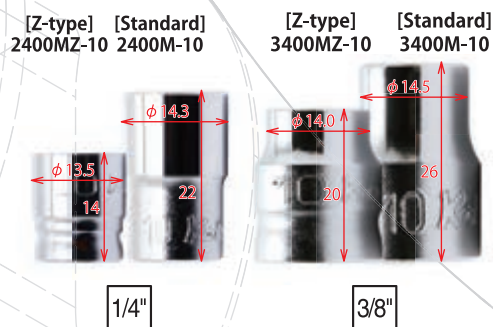
- SOCKETS -

• Compact

The length and diameter of sockets have been significantly reduced.

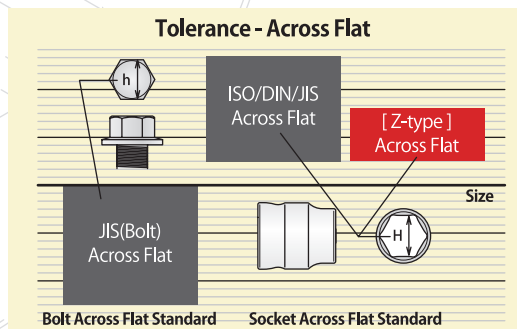
Ideal for working in confined and tight areas.

- Comparison of 10mm Sockets-



• Tolerance -Hexagon Opening.

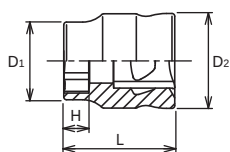
Foregoing the ISO and DIN standards, radical design concepts have been implemented in producing the Z-series which enables maximum potential in all professional mechanics.



2400MZ

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®



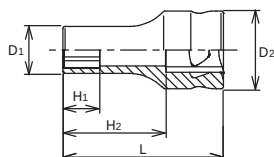
2400MZ (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	6.4	11	3	14	6	10
4.5	7	11	3	14	6	10
5	7.6	11	3	14	6	10
5.5	8.2	11	3.5	14	6	10
6	8.8	11	3.5	14	6	10
7	9.9	11	3.5	14	6	10
8	11.1	11.7	4.5	15	7	10
10	13.5	12.5	7	15	8	10
11	14.7	13.2	7	15	9	10
12	15.9	14.4	7	15	11	10
13	17.1	15.6	7	15	14	10
14	18.3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

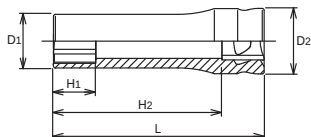
2300XZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
5.5	8.2	11	6	20	30	10	10
6	8.8	11	7	20	30	10	10
7	9.9	11	8	20	30	11	10
8	11.1	11.7	9	20	30	13	10
10	13.5	12.5	11	20	30	16	10
11	14.7	13.2	12	20	30	19	10
12	15.9	14.4	13	20	30	22	10
13	17.1	15.6	14	20	30	26	10
14	18.3	16.8	14	20	30	30	10

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.)
8	12.3	11.7	4.5	30.5	18	10
10	14.3	11.7	4.5	30.5	20	10
12	16.8	11.7	5.5	31.5	25	10
13	18	11.7	5.5	31.5	27	10
14	20	11.7	7	33	31	10

RS2441MZ/5	5 Pieces Set/Rail 200mm	(g)
New	8, 10, 12, 13, 14	235

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.)
New 2	11.2	9	25	9	10
New 2.5	11.2	9	25	9	10
3	11.2	9	25	9	10
4	11.2	9	25	9	10
5	11.2	9	25	10	10
6	11.2	9	25	10	10

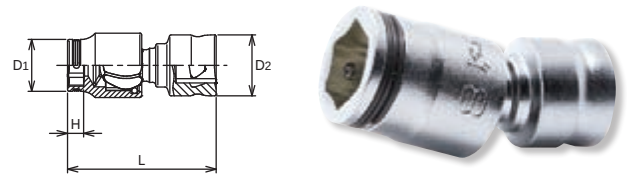
2010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 2	11.2	3	34	50	10	10
New 2.5	11.2	3.5	34	50	11	10
3	11.2	4	34	50	11	10
4	11.2	5	34	50	13	10
5	11.2	6	34	50	15	10
6	11.2	-	34	50	17	10

RS2010MZ/6-L25	6 Pieces Set/Rail 200mm	(g)
New	2, 2.5, 3, 4, 5, 6	170

RS2010MZ/6-L50	6 Pieces Set/Rail 200mm	(g)
New	2, 2.5, 3, 4, 5, 6	195

2441MZ

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



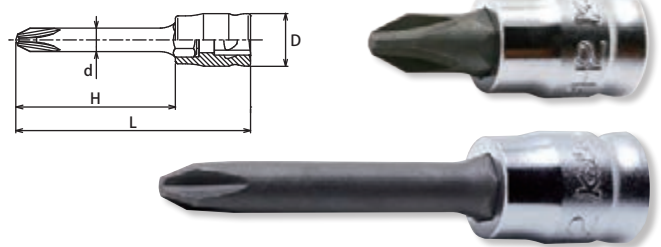
RS2441MZ/5

Socket Set on Rail
Juego de Vasos en Regleta



2000Z-28 • -50

PH Bit Sockets
Vasos con Punta PH



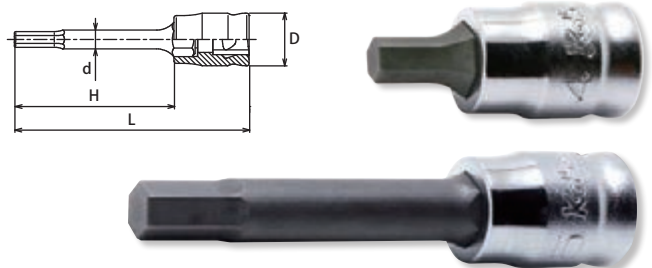
2005Z-25

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada



2010MZ-25 • -50

Inhex Bit Sockets
Vasos con Punta Hexagonal



RS2010MZ/6-L25 RS2010MZ/6-L50

Socket Set on Rail
Juego de Vasos en Regleta

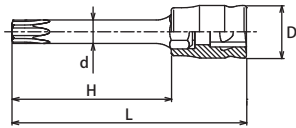


RS20XXZ/9 Socket Set on Rail
Juego de Vasos en Regleta



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

2025Z-28 • -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

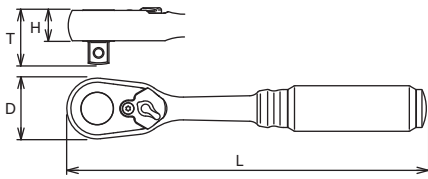
2025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
T10	11.2	4	34	50	11	10
T15	11.2	4	34	50	11	10
T20	11.2	4.5	34	50	12	10
T25	11.2	5	34	50	13	10
T27	11.2	5	34	50	13	10
T30	11.2	5.6	34	50	15	10
T40	11.2	—	34	50	17	10

RS2025Z/7-L28 Socket Set on Rail
Juego de Vasos en Regleta
RS2025Z/7-L50



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

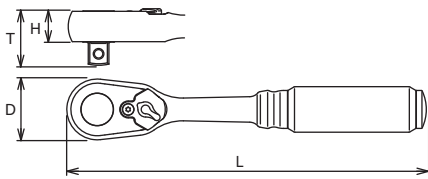
RS2025Z/7-L50		7 Pieces Set/Rail 200mm	 (g)
		T10, T15, T20, T25, T27, T30, T40	220



	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 Reversible Ratchet
Llave de Carraca Reversible



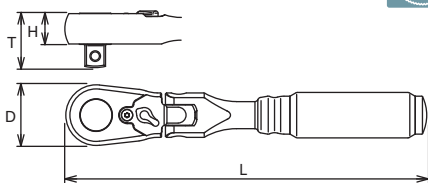
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z-160	20.5	17.1	9.5	160	115	1

* Renewal Kits → **2725RK-2** → **P322**

2725Z-160 Reversible Ratchet ⚠
Llave de Carraca Reversible



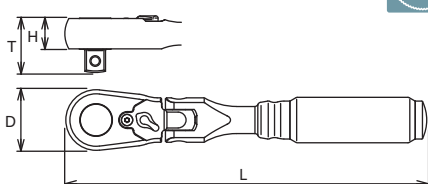
⚠ 2725Z-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



	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)



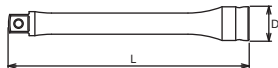
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-160	20.5	17.1	9.5	160	125	1

* Renewal Kits → **2725RK-2** → **P322**

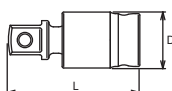
2726Z-160 Flexible Ratchet, Reversible (Short) ⚠
Llave de Carraca Flexible, Reversible (Corta)



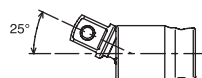
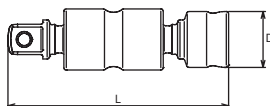
⚠ 2726Z-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

2760Z Extension Bars
Alargaderas

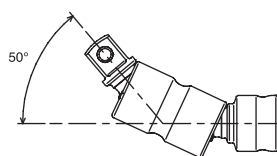
2760Z	D (mm)	L (mm)	(g)	(pcs.)
50	11.5	50	21	10
100	11.5	100	39	10
150	11.5	150	58	10

2771Z Universal Joint
Articulación Universal

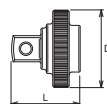
	D (mm)	L (mm)	(g)	(pcs.)
2771Z	11.7	29.9	15	10

**2772Z** Universal Joint
Articulación Universal

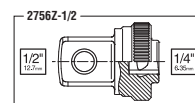
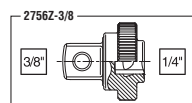
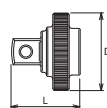
	D (mm)	L (mm)	(g)	(pcs.)
2772Z	11.7	46	26	10

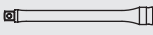
**2756Z** Quick Spinner
Disco de Giro Rápido

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

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

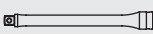
	D (mm)	L (mm)	(g)	(pcs.)
2756Z-3/8	20.3	21.5	24	10
2756Z-1/2	20.3	26	35	10



P2285Z 26 Pieces Set/△=660g	
PLASTIC CASE:W245×H120×T45	
Sockets	Accessories
 2400MZ 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14	 2725Z  2756Z  2771Z  2760Z-50  2760Z-150
 2000Z.28 1, 2, 3	
 2005Z.25 5, 6	
 2010MZ.25 3, 4, 5, 6	

P2285Z Socket Set
Juego de Vasos



2286Z 17 Pieces Set/△=780g	
BLACK METAL CASE:W240×H100×T32mm	
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/△=300g	
Rail 200mm/PLASTIC BAG	
Sockets	Accessories
 2400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14	 2725Z  2756Z

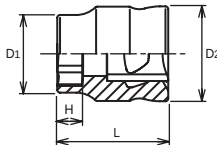
2285ZE Socket Set
Juego de Vasos



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



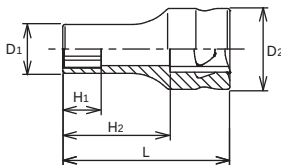
RS3400MZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		320

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

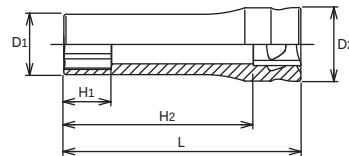


3300MZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	10.3	17	8	41.5	55	29	10
8	11.5	17	9	41.5	55	34	10
10	14	17	11	41.5	55	43	10
11	15.3	17	12	41.5	55	45	10
12	16.5	17	13	41.5	55	49	10
13	17.8	17	14	41.5	55	52	10
14	19	17	16	41.5	55	55	10
15	20.2	18.2	16	40.5	55	65	10
16	21.3	19.3	17	40.5	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

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

RS3300MZ/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3300MZ/12



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

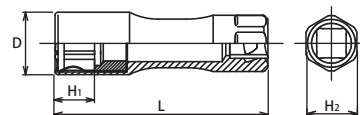
Slim & light weight body with smaller outside diameter for work in tight spaces.

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



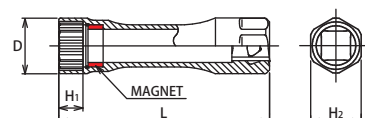
3300CZ

Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas



3305PZ

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



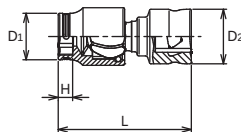
3305PZ (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
14	17.9	8	17	70	56	10
16	20	8	17	70	55	10

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



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

3441MZ

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

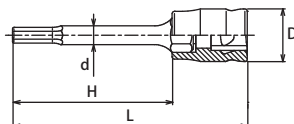
3441MZ (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17	4.5	41.5	45	10
10	14.5	17	4.5	41.5	47	10
12	16.8	17	5.5	42.5	50	10
13	17.8	17	5.5	42.5	53	10
14	19.5	17	7	44	55	10
17	23.4	17	8.5	45.5	66	10

RS3441MZ/6

Socket Set on Rail
Juego de Vasos en Regleta

RS3441MZ/6	6 Pieces Set/Rail 200mm	(g)
8, 10, 12, 13, 14, 17		435

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

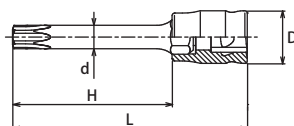
RS3010MZ/8-L75



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

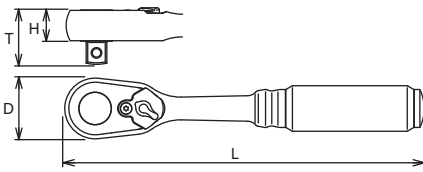
Socket Set on Rail
Juego de Vasos en Regleta

RS3025Z/8-L75



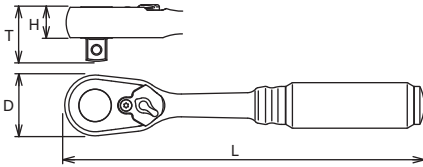
RS3025Z/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		450

RS3025Z/8-L75	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		480



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

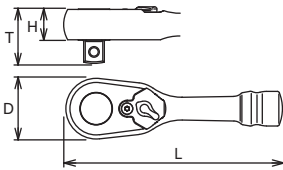
* Renewal Kits → 2725RK-2(3/8) → P322



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

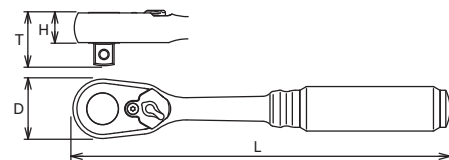
* Renewal Kits → 2725RK-2(3/8) → P322

⚠ 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.



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

* Renewal Kits → 3725RK-2 → P322



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

* Renewal Kits → 3725RK-2 → P322



	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.

2725Z-3/8

Reversible Ratchet Short
Llave de Carraca Reversible Corta



2725Z-3/8 (L160)

Reversible Ratchet Short
Llave de Carraca Reversible Corta **⚠**



3725ZS

Reversible Ratchet Short
Llave de Carraca Reversible Corta



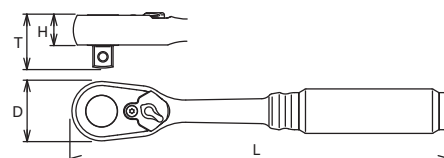
3725Z

Reversible Ratchet
Llave de Carraca Reversible



3725Z-280

Reversible Ratchet
Llave de Carraca Reversible **⚠**



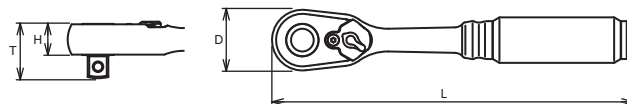
2725ZB-3/8

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)**

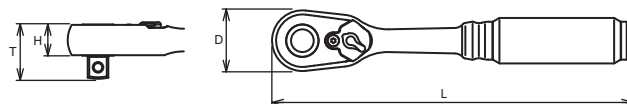
Reversible Ratchet Long with Quick Release Button
Llave de Carraca Reversible Larga con botón de extracción rápida ⚠



	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.

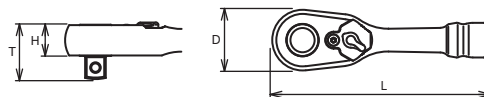
**3725ZSB**

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

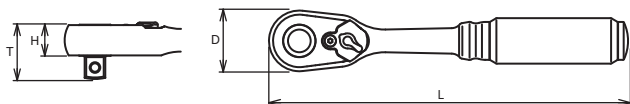
**3725ZB**

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**

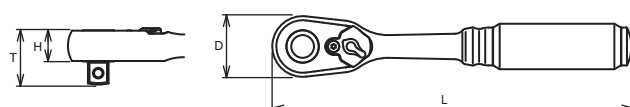
Reversible Ratchet Long with Quick Release Button
Llave de Carraca Reversible Larga con botón de extracción rápida ⚠

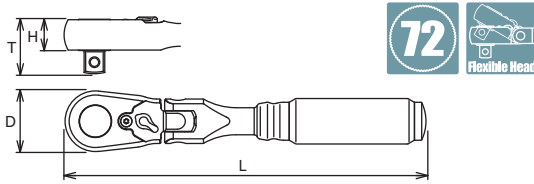


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725ZB-280	28	24.5	13.7	280	360	1

* Renewal Kits → 3725BRK-1 → P322

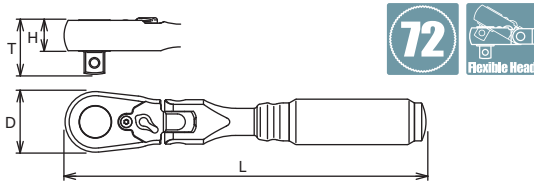
⚠ 3725ZB-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.





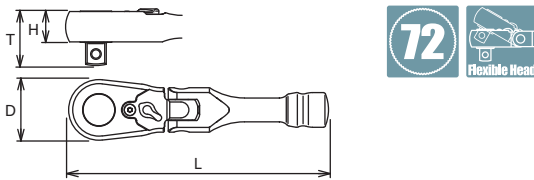
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-3/8	20.5	20.5	9.5	114	107	1

* Renewal Kits → 2725RK-2(3/8) → P322



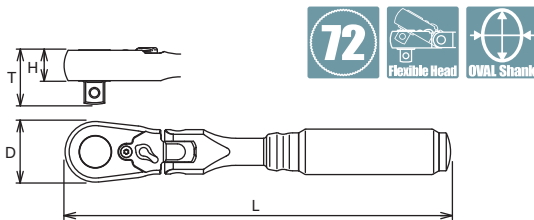
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-3/8 (L160)	20.5	20.5	9.5	160	130	1

* Renewal Kits → 2725RK-2(3/8) → P322



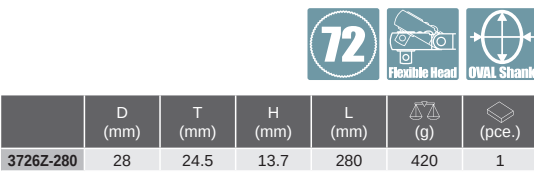
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3726ZS	28	24.5	13.7	120	196	1

* Renewal Kits → 3725RK-2 → P322



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

* Renewal Kits → 3725RK-2 → P322



* 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.



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



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.

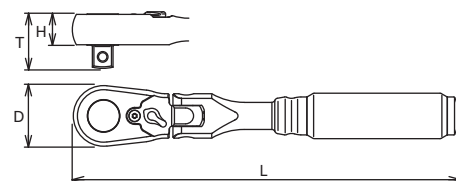
3726ZS Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)



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



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



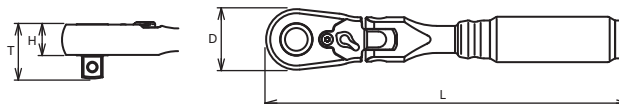
2726ZB-3/8

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.)
2726ZB-3/8	20.5	20.5	9.5	114	107	1

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

**2726ZB-3/8 (L160)**

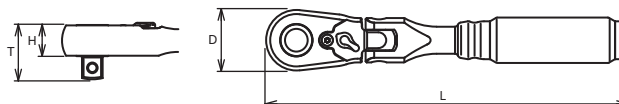
Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, Reversible con botón de extracción rápida ⚠



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
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.

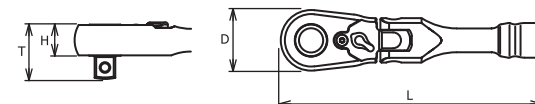
**3726ZSB**

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.)
3726ZSB	28	24.5	13.7	120	196	1

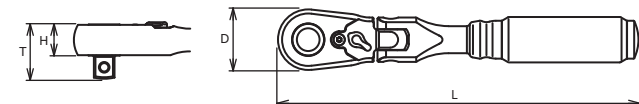
* Renewal Kits → 3725BRK-1 → P322

**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.)
3726ZB	28	24.5	13.7	178	317	1

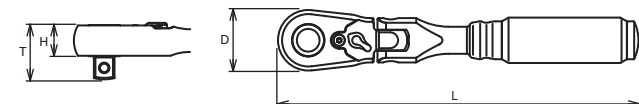
* Renewal Kits → 3725BRK-1 → P322

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.)
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



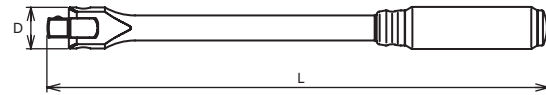
3768Z-250 Hinge Handle 3768Z-400 Mango Articulado



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

* Renewal Kits → **3768ZRK** → P323

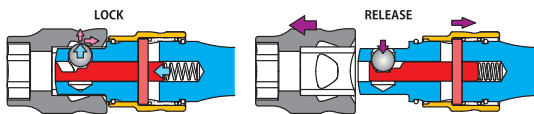
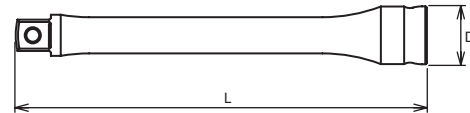
⚠ 3768Z-400 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



3760Z Extension Bars Alargaderas



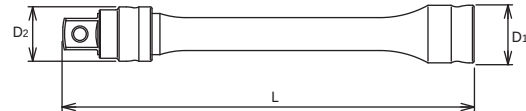
3760Z	D (mm)	L (mm)	(g)	(pcs.)
75	17.5	75	66	10
125	17.5	125	103	10
250	17.5	250	195	5



3760LZ Locking Extension Bars Alargadera con Bloqueo



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



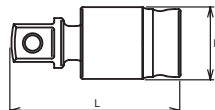
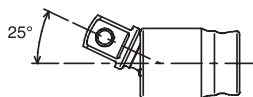
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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



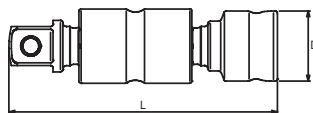
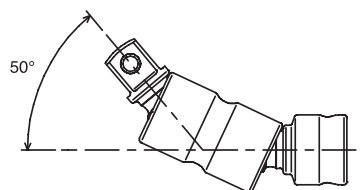
UNIVERSAL JOINT

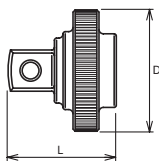
3771Z Universal Joint Articulación Universal



3772Z Universal Double Joint Articulación Universal

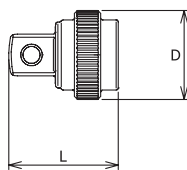
	D (mm)	L (mm)	(g)	(pcs.)
3772Z	17	65	76	10



3756Z Quick Spinner
Disco de Giro Rápido

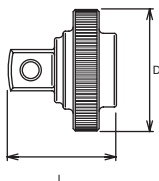
	D (mm)	L (mm)	(g)	(pcs.)
3756Z	28	25	40	10

Outside diameter is smaller compared to standard 3756.
Ideal for working in combination with 3725Z.

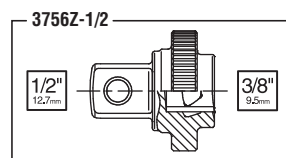
**3756ZS** Quick Spinner
Disco de Giro Rápido

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

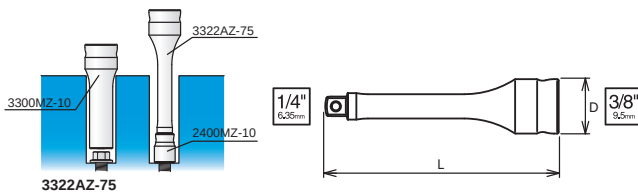
Ideal for working in combination with 2725Z-3/8 and 2726Z-3/8.

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

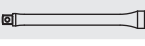
	D (mm)	L (mm)	(g)	(pcs.)
3322AZ-75	17.5	75	42	10





3285Z 26 Pieces Set/△=2,100g

FOAM TRAY:W390×T180×H25

Sockets	Accessories
 3400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14, 17, 19, 21, 22	 3725Z  3756Z  3771Z  3768Z-250  3760Z-75  3760Z-125  3760Z-250

3285Z Socket Set Juego de Vasos



3285ZA 15 Pieces Set/△=750g

FOAM TRAY:W300×T90×H25

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:W415×H120×T50mm

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

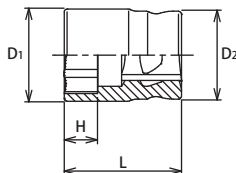
3285ZE Socket Set Juego de Vasos



4400MZ

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®



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

RS4400MZ/10

10 Pieces Set/Rail 300mm

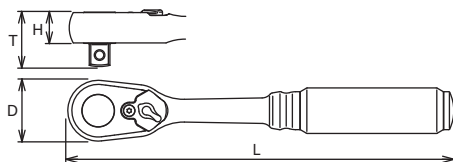


(g)

10, 12, 13, 14, 17, 19, 21, 22, 24, 27

830

4725Z

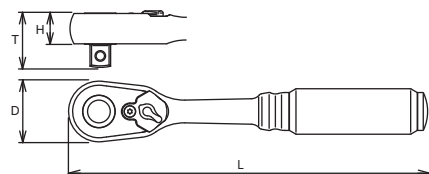
Reversible Ratchet
Llave de Carraca Reversible

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

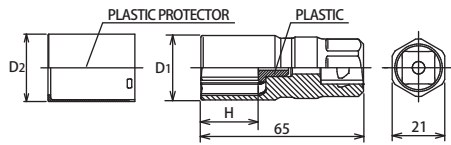
Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida

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



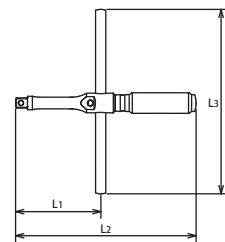
4300PMZ.65 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	Colour	(g)	(pcs.)
17	23.7	25.2	21	Blue	135	10
19	25.7	27.2	23	Red	150	10
21	27.5	29	25	Yellow	155	10
22	29	30.5	26	White	165	10

⚠ 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



	L1 (mm)	L2 (mm)	L3 (mm)	(g)	(pcs.)
4711XZ	133	264	350	915	1

4711XZ

Spinning Cross Wrench



4768Z-430

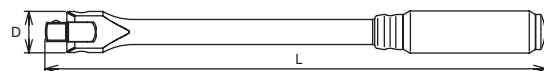
Hinge Handle
Mango Articulado



	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.



Z-series

1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

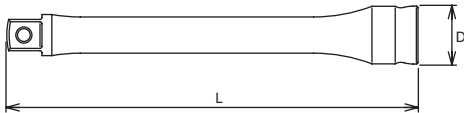
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4760Z

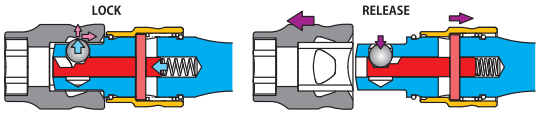
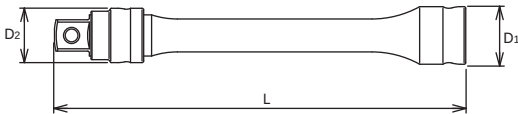
Extension Bars
Alargaderas



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

4760LZ

Locking Extension Bars
Alargadera con Bloqueo ⚠

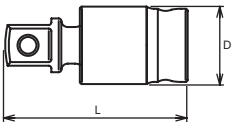
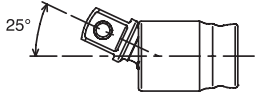


4760LZ	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
125	23	20.5	125	186	5
250	23	20.5	250	346	5

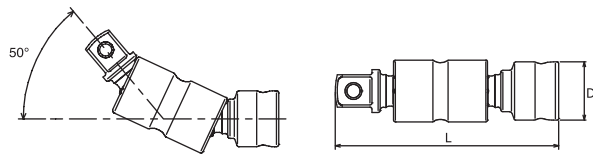
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

4771Z

Universal Joint
Articulación Universal



	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



RSX772Z/3

Universal Joints 1/4", 3/8", 1/2" 3 pcs set on rail
Juego de Articulaciones Universales 1/4", 3/8", 1/2" en Regleta

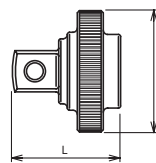
RSX772Z/3	3 Pieces Set/Rail 200mm	(g)
New	2772Z, 3772Z, 4772Z	290

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



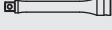
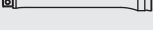
4756Z Quick Spinner
Disco de Giro Rápido

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



4285Z Socket Set
Juego de Vasos**4285ZE** Socket Set
Juego de Vasos**RSAL200** Rail
Regleta
RSAL300**RSAL**
CLIP.P/5**4285Z** 21 Pieces Set =4,800g

METAL CASE:W445×T190×H50

Sockets	Accessories
 4400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	 4725Z  4756Z  4771Z  4768Z-430  4760Z-125  4760Z-250

4285ZE 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 (mm)	CLIP (pcs.)	 (g)	 (pce.)
1/4×12	1/4"	200	12	125	1
3/8×8	3/8"	200	8	130	1

RSAL300		RAIL (mm)	CLIP (pcs.)	 (g)	 (pce.)
3/8×12	3/8"	300	12	180	1
1/2×10	1/2"	300	10	190	1

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	1/4"	10	5
3/8	3/8"	13	5
1/2	1/2"	20	5



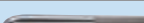
Hand Sockets

1/4"
3/8"
1/2"
3/4"
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
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.		
		No.		Page	No.		Page	No.		Page	No.		Page
	6-point	2400M	mm	48	3400M	mm	69	4400M	mm	104	6400M	mm	134
		2400A	inch	48	3400A	inch	69	4400A	inch	105	6400A	inch	134
		2400W	BA	49	3400W	BSW	70	4400W	BSW	105			
	12-point	2405M	mm	48	3405M	mm	69	4405M	mm	104	6405M	mm	134
		2405A	inch	48	3405A	inch	69	4405A	inch	105	6405A	inch	134
	AS2405A		inch	48	3405W	BSW	70	4405W	BSW	105			
	Surface	2410M	mm	49	3410M	mm	70	4410M	mm	106			
	NUT GRIP®	2450MS	mm	50	3450M	mm	72	4450M	mm	107			
	2450AS		inch	50	3450A	inch	72						
	NUT GRIP® (3-ball)	2455AS	inch	50									
	TORX® (E)	2425	TORX®	51	3425	TORX®	71	4425	TORX®	106	6425	TORX®	134
	TORX® (E) (NUT GRIP®)				3425(2B)	TORX®	72						
	TORXplus® (EP)							4425-EPL	TORXplus®	107			
	TORXplus® (EPR)							4425-EPRL	TORXplus®	107			
	LH-S				3400LH	LH-STIX®	71	4400LH	LH-STIX®	107			
	Double Square	2415M	mm	49	3415M	mm	71						
	2415A		inch	49	3415A	inch	71						
	6-point	2300X	mm	51	3300X	mm	73						
	12-point				3300XA	mm	73						
	NUT GRIP®	2350X	mm	51	3305X	mm	73						
	6-point	2300M	mm	52	3300M	mm	74	4300M	mm	108	6300M	mm	135
		2300A	inch	52	3300A	inch	74	4300A	inch	108	6300A	inch	135
		2300W	BA	53	3300W	BSW	75						
	12-point	2305M	mm	52	3305M	mm	74	4305M	mm	108	6305M	mm	135
		2305A	inch	52	3305A	inch	74	4305A	inch	108	6305A	inch	135
	AS2305A		inch	52	3305W	BSW	75						
	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						
	6-point				3300M(L120)	mm	77	4300M(L120)	mm	108			
	12-point				3305M(L120)	mm	77						
	NUT GRIP®				3350M(L120)	mm	77						
	TORX® (E)				3350A(L120)	inch	77						
	TORX® (E) (NUT GRIP®)							4325(L140)	TORX®	109			
								4325(L140)-2B	TORX®	109			
	12-point				3117M	mm	80	4117M	mm	111			
	Extension Sockets												
	6-point	2440M	mm	54	3440M	mm	78	4440M	mm	110			
	2440A		inch	54	3440A	inch	78	4440A	inch	110			
	12-point	2445M	mm	54	3445M	mm	78	4445M	mm	110			
	2445A		inch	54	3445A	inch	78	4445A	inch	110			
	AS2445A		inch	54	3445W	BSW	78						
	NUT GRIP®	2441M	mm	54	3441M	mm	79						
	TORX® (E)	2440T	TORX®	54	3440T	TORX®	78	4440T	TORX®	110			
	Universal Deep Sockets				3340M	mm	79						
	6-point												
	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	3010M	mm	81	4010M	mm	112	6012M	mm	135
	2010A		inch	56	3010A	inch	81	4010A	inch	112	8012M	mm	143
	Hexagon (Grip Ring)				3012M	mm	82	4012M	mm	116			
	Hexagon (Ball Point)				3012A	inch	82	4012A	inch	117			
	2011M	mm	56	3015M	mm	83							
	XZN (Triple Square)	2020	XZN	57	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			
	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
 Ratchet Handles	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						
 Flexible Ratchet Handles	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						
 Hinge Handles	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		
 T-type Slide Handles	Standard	2785 series	64	3785	99	4785	127	6785	138	8785	144
	Long									8785-700	144
 Spin Type Handles	Standard	2769N	63	3769N	98						
	Wobble-Fix	2769NWF	63	3769NWF	98						
	Others	2769F 2769H	63 63	3769H	98						
 L-handles						4788 4747	127 127	6788	138	8788	144
 Speed Handles	Standard	2780	64	3780	99	4780-400	126				
	Flexible					4781N-450	125				
 Extension Bars	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				

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

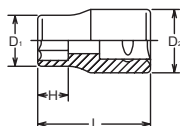
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2400M • 2400A

6-point Sockets
Vasos Hexagonales



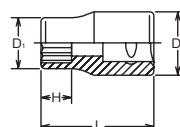
FLAT DRIVE®



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

12-point Sockets
Vasos Bihexagonales



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

9-point Sockets
Vasos Bihexagonales

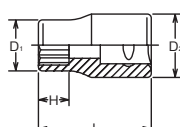


RS2400A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		162

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	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

RSAS2405A/10

Socket Set on Rail
Juego de Vasos en Regleta



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

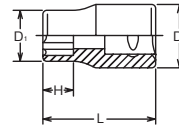


BA	8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
S (ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
S (ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

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

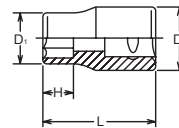
2410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



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



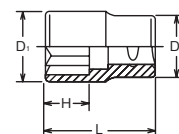
2400W-BA 6-point Sockets Vasos Hexagonales



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

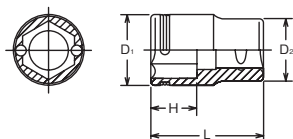


2415M • 2415A Double Square Sockets Vasos Octagonales



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.)
5	9.2	11.2	3.5	17	6	10
5.5	9.8	11.2	3.5	17	7	10
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
9	13.3	12	5.5	19	12	10
10	14.3	12.9	6	19	13	10
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.)
1/4	10.7	11.2	3.5	17	8	10
5/16	12.3	11.7	5	18	9	10
3/8	14.3	12.9	6	19	14	10
7/16	16	14.3	6.5	20	17	10
1/2	18	16.4	8	21	23	10
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

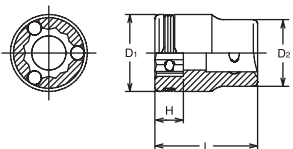
Socket Set on Rail
Juego de Vasos en Regleta



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.)
7/32	10.2	11.2	3.5	17	8	10
1/4	11.8	11.2	3.5	17	9	10
9/32	12.5	11.2	4	17	10	10
5/16	13.5	11.7	5	18	12	10
11/32	14.1	12	5.5	19	14	10
3/8	15.4	12.9	6	19	16	10
7/16	17	15	6.5	20	21	10
1/2	18.9	17	8	21	26	10
9/16	20.7	18.7	8.5	22.5	34	10

RS2455AS/6

Socket Set on Rail
Juego de Vasos en Regleta

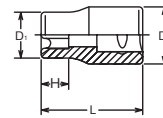


RS2455AS/6	6 Pieces Set/Rail 150mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16		138

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®

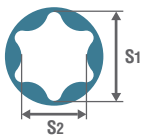


RS2425/6 Socket Set on Rail Juego de Vasos en Regleta



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

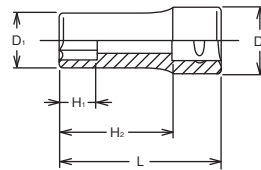
TORX® (E)



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

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 Socket Set on Rail Juego de Vasos en Regleta

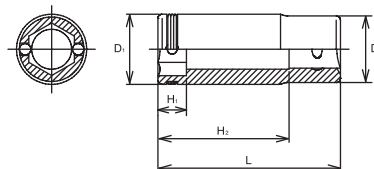


RS2300X/12	12 Pieces Set/Rail 200mm (g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	270

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 Socket Set on Rail Juego de Vasos en Regleta



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

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

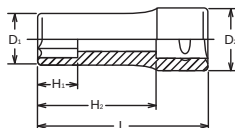
CONSTRUCTION
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

2300M • 2300A

6-point Deep Sockets
Vasos Hexagonales Largos



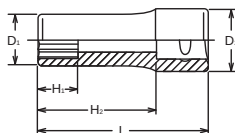
FLAT DRIVE®



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

Socket Set on Rail
Juego de Vasos en Regleta



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

Socket Set on Rail
Juego de Vasos en Regleta

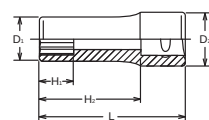


RS2300A/9	9 Pieces Set/Rail 150mm	 (g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		296

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

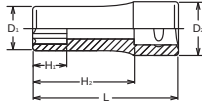
1/4" Hand Sockets

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

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



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

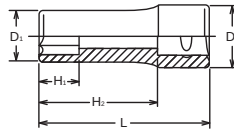


RS2310M/12 Socket Set on Rail Juego de Vasos en Regleta



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



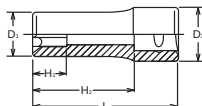
BA



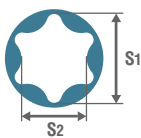
	BA	8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
S	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

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)

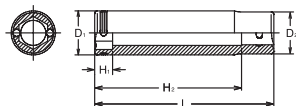


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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 Vasos Sujeta-tuercas Largos Nut Grip®



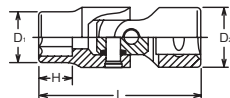
RS2350M/4 Socket Set on Rail Juego de Vasos en Regleta



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

2440M • 2440A

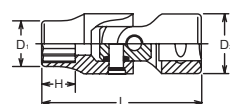
6-point Universal Sockets
Vasos Hexagonales con Articulación Universal



2440M 2445M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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

2445A (inch)	D1 (mm)	D2 (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

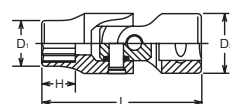
RS2445A/9

Socket Set on Rail
Juego de Vasos en Regleta



AS2445A

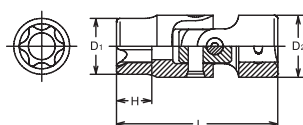
12-point Universal Sockets
Vasos Bihex con Articulación Universal



AS2445A (inch)	D1 (mm)	D2 (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

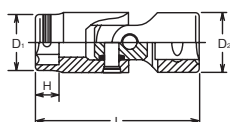
TORX® Universal Sockets
Vasos TORX® con Articulación Universal



2440T (E)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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	11 Pieces Set/Rail 200mm	(g)
5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14, 15		280

RS2441M/11

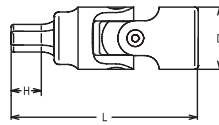
Socket Set on Rail
Juego de Vasos en Regleta



1/4" Hand Sockets

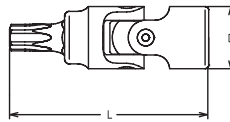
2430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	13	5.5	40	18	10
4	13	5.5	40	18	10
5	13	6.5	40	20	10
6	13	7.5	40	21	10

2430M Universal Inhex Sockets Vasos Hexagonales con Articulación Universal



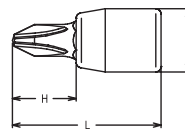
2430T (T)	D (mm)	L (mm)	(g)	(pcs.)
T 8	13	42	22	10
T 9	13	42	22	10
T10	13	42	22	10
T15	13	42	22	10
T20	13	42	22	10
T25	13	42	22	10
T27	13	42	22	10
T30	13	42	22	10

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



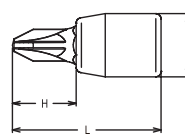
2000.28 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	11.9	12	28	10	10
2	11.9	12	28	11	10
3	11.9	12	28	12	10
4	13.1	11	28	14	10

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



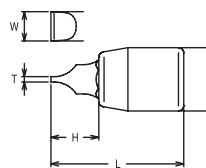
2000.28 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ1	11.9	12	28	10	10
PZ2	11.9	12	28	11	10
PZ3	11.9	12	28	12	10

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



2005.25	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	0.5× 3	11.9	9	25	9	10
4	0.8× 4	11.9	9	25	10	10
5	1.0× 5.5	11.9	9	25	10	10
6	1.2× 6.5	13.1	9	25	11	10
8	1.2× 8	13.1	9	25	12	10
9	1.6× 8	13.1	9	25	12	10
10	1.6×10	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

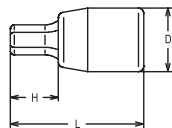
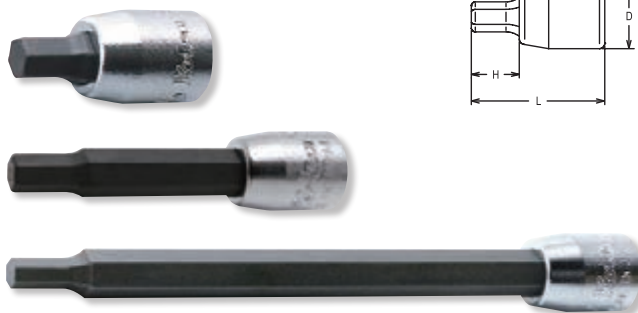
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2010M-25 · -50 · -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

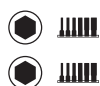
2010A.100 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	11.9	84	100	29	10
5/32	11.9	84	100	30	10
3/16	13.1	83	100	45	10
7/32	13.1	83	100	46	10
1/4	13.1	83	100	46	10
9/32	13.1	83	100	47	10
5/16	13.1	83	100	49	10
3/8	14.3	83	100	75	10

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.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 2	11.9	34	50	16	10
New 2.5	11.9	34	50	16	10
New 3	11.9	34	50	16	10
New 4	11.9	34	50	17	10
New 5	11.9	34	50	18	10
New 6	11.9	34	50	18	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

RS2010M/6-L50



Socket Set on Rail
Juego de Vasos en Regleta



RS2010M/6-L50	6 Pieces set/Rail 150mm	(g)
New 2, 2.5, 3, 4, 5, 6		125

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

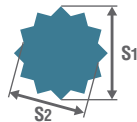
⚠ Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.

1/4" Hand Sockets

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

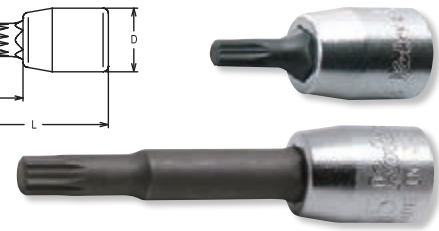
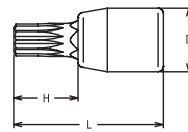


XZN	M4	M5	M6	M8	M10	M12	M14	M16	M18
S1 (ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S2 (ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

2020-28 · -50



XZN Bit Sockets
Vasos con Punta XZN



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

2025.50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	11.9	34	50	16	10
T15	11.9	34	50	16	10
T20	11.9	34	50	16	10
T25	11.9	34	50	16	10
T27	11.9	34	50	17	10
T30	11.9	34	50	17	10
T40	11.9	34	50	18	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

RS2025/7-L50	7 Pieces set/Rail 150mm	(g)
T10, T15, T20, T25, T27, T30, T40		140

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

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

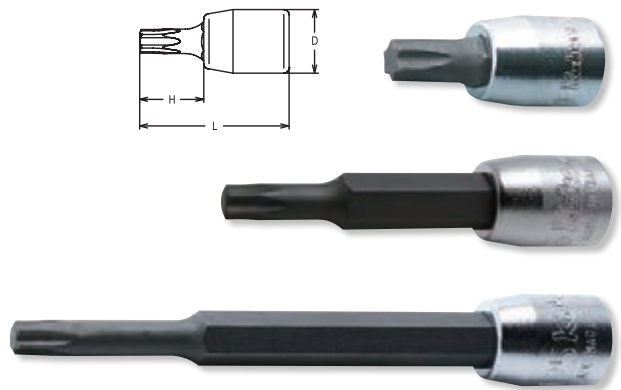
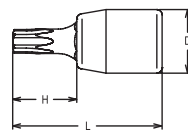
⚠ Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.
Los Vasos con Punta Indeformable TORX® tienen menos resistencia debido al diseño especial. Asegurarse de su correcta utilización.



2025-28 · -50 · -80 (T)



TORX® Bit Sockets
Vasos con Punta TORX®



RS2025/7-L28



Socket Set on Rail
Juego de Vasos en Regleta



RS2025/7-L50



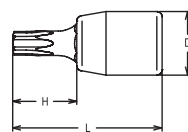
Socket Set on Rail
Juego de Vasos en Regleta



2025-28 (TH)



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



RS2025/7-HOLE



Socket Set on Rail
Juego de Vasos en Regleta



Hand Sockets **1/4"**

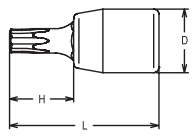
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

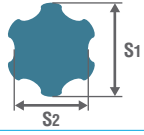


Socket Set on Rail
Juego de Vasos en Regleta



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

TORXPLUS®
(IP)



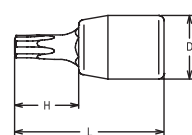
IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S ₁	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S ₂	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

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

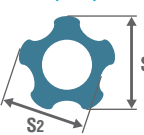


Socket Set on Rail
Juego de Vasos en Regleta



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

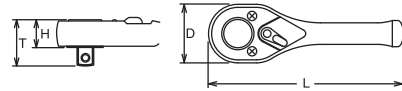


* Renewal Kits → 2753RK → P320



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



* Renewal Kits → 2753RK → P320

2753P

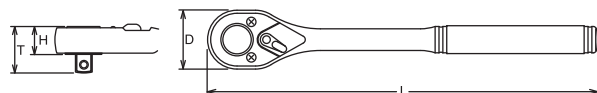
Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2753RK → P320

2753J

Reversible Ratchet
Llave de Carraca Reversible



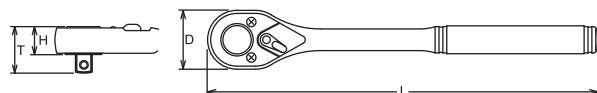
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2753N	22	18.7	11.4	115	90	1
2753P	22	18.7	11.4	115	87	1
2753J	22	18.7	11.4	115	77	1



* 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.

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 ⚠

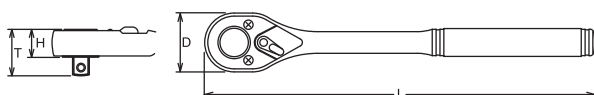


* Renewal Kits → 2753BRK → P320

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



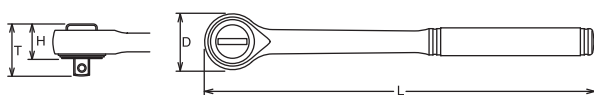
* Renewal Kits → 2753BRK → P320



	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

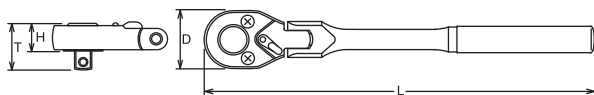


* Renewal Kits → 2753RK → P320

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

1/4" Hand Sockets



* 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

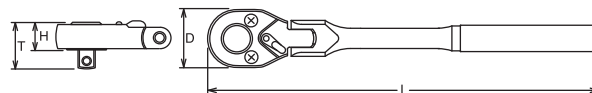


* Renewal Kits → 2753RK → P320

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

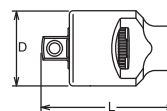


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2774N	22	18.7	11.4	161	130	1
2774P	22	18.7	11.4	161	126	1
2774J	22	18.7	11.4	161	130	1



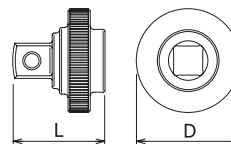
* Renewal Kits → 2755RK → P321

2755 Ratchet Adaptor
Adaptador de carraca



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

2756 Quick Spinner
Disco de giro Rápido

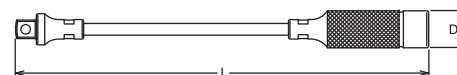


	D (mm)	L (mm)	(g)	(pcs.)
2756	22	20	19	10

2762 Flexible Extension Bar
Alargadera Flexible

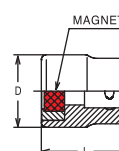


	D (mm)	L (mm)	(g)	(pcs.)
2762	13	300	90	2



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

2120 Magnetic Head



Hand Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

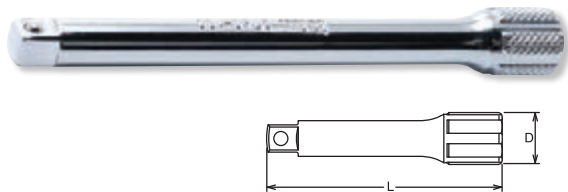
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

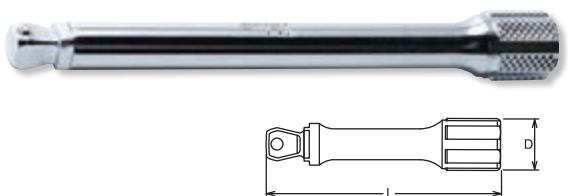
PLASTIC TRAY

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

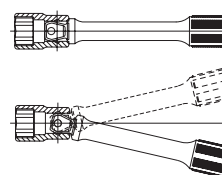
PLASTIC TRAY

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

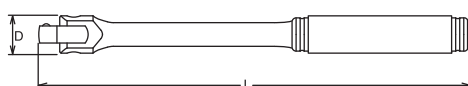
2768N Hinge Handle Mango Articulado



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

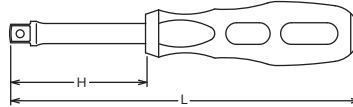
1/4" Hand Sockets

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.

2769N-150 • -220

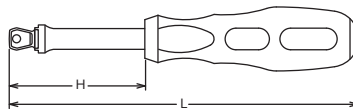
Spin Type Handle
Mango Tipo Destornillador 



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

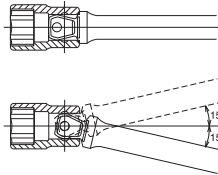
2769NWF-150 • -220

Spin Type Handle(Wobble-Fix)
Mango Tipo Destornillador Articulado-Fijos 



Wobble-Fix Extension Bar

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



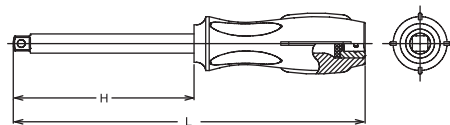
Alargadera Articulada-Fija

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

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

2769F

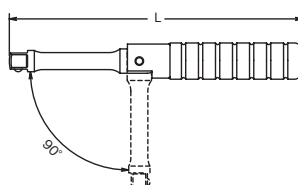
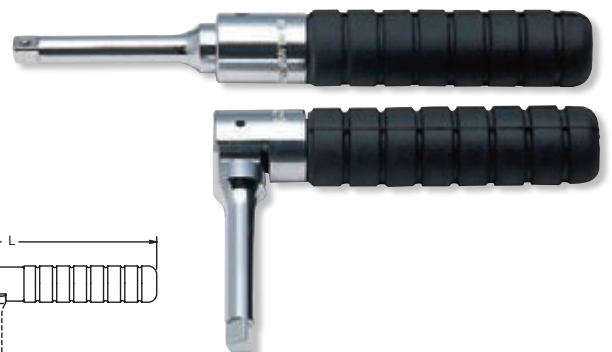
Spin Type Handle
Mango Tipo Destornillador



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

2769H

Folding Socket Driver
Llave de Vaso Plegable



Hand Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

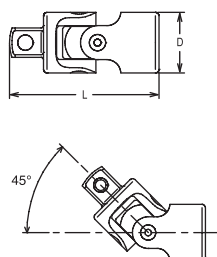
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

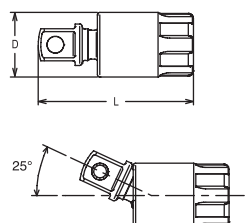
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2770 Universal Joint Articulación Universal



	D (mm)	L (mm)	(g)	(pcs.)
2770	13.0	33	20	10

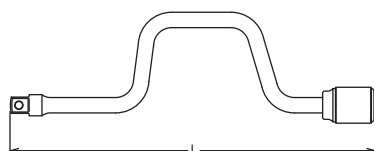
2771 Universal Joint Articulación Universal



	D (mm)	L (mm)	(g)	(pcs.)
2771	12.7	31	20	10

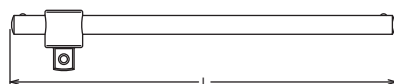
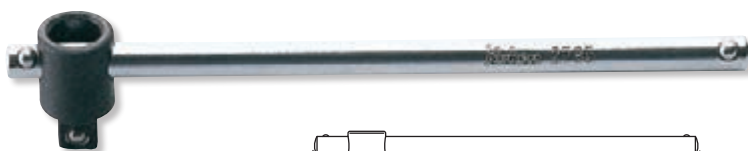


2780 Speed Handle Manivela Rápida



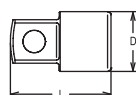
	L (mm)	(g)	(pce.)
2780	350	250	1

2785 T-Handle Mango Corredizo



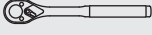
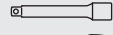
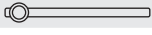
	L (mm)	(g)	(pcs.)
2785	115	36	10

2233A Adaptor Adaptador



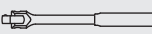
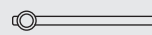
	(sq.) 1/4"	(sq.) 3/8"	D (mm)	L (mm)	(g)	(pcs.)
2233A	1/4"	3/8"	13.0	22	16	10

1/4" Hand Sockets

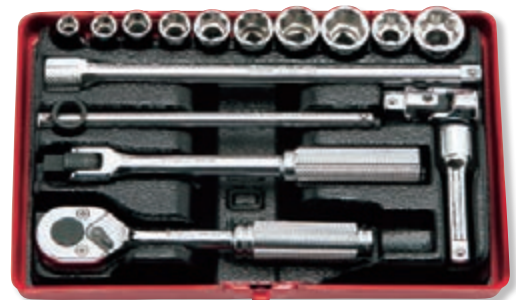
2201AM		25 Pieces Set/△△=870g
METAL CASE:W240×H100×T32mm		
Sockets	Accessories	
 2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	 2753N	
	 2760-100	
	 2769N-150	
	 2770	
	 2785	

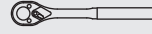
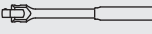
2201AM Socket Set
Juego de Vasos



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



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

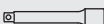
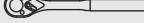
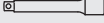
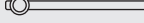
2257M Socket Set
Juego de Vasos



2257M		31 Pieces Set/ツキ=930g	
METAL CASE:W240×H100×T32mm			
Sockets		Accessories	
	2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12		2753N
	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

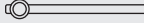
2260M Socket Set
Juego de Vasos



2260M		28 Pieces Set/ツキ=2,370g	
METAL CASE: W370×H150×T50mm			
Sockets		Accessories	
	2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 10, 12		2753N
1/4"			2760-50
			2760-100
			2769N-150
	3400M 6-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21		3749N
3/8"			3760-75
			3760-125
			3785
			3322A

2261M Socket Set
Juego de Vasos



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

1/4" Hand Sockets

2275		19 Pieces Set/△=880g
METAL CASE:W192×H122×T30mm		
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:W192×H122×T30mm		
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:W310×H90×T48mm		
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:W310×H90×T48mm		
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



Hand Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
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IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

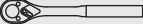
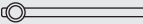
P2201AM Sockets Set Juego de Vasos



P2201AM 25 Pieces Set/ΔΔ=800g	
PLASTIC CASE:W245×H120×T45mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	 2753N  2760-100  2769N-150  2770  2785

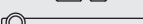
P2251M Sockets Set Juego de Vasos



P2251M 18 Pieces Set/ΔΔ=770g	
PLASTIC CASE:W245×H120×T45mm	
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

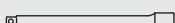
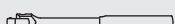
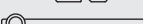
P2258M Sockets Set Juego de Vasos



P2258M 31 Pieces Set/ΔΔ=860g	
PLASTIC CASE:W245×H120×T45mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 2000.28 Bit Sockets 1, 2, 3 2005.25 Bit Sockets 4, 6 2010M.25 Bit Sockets 3, 4, 5, 6, 8 2025.28 Bit Sockets T10, T15, T20, T25, T30	 2753N  2760-100  2769N-150  2770  2785

P2281A-12P Sockets Set Juego de Vasos



P2281A-12P 18 Pieces Set/ΔΔ=770g	
PLASTIC CASE:W245×H120×T45mm	
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

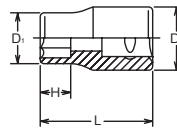
RS3405A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		333



FLAT DRIVE®

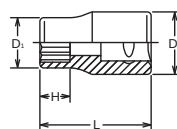
3400M • 3400A

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

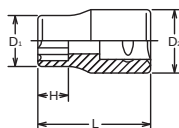
RS3405A/9

Socket Set on Rail
Juego de Vasos en Regleta



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

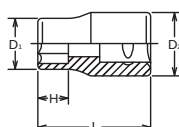
(g)

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

468

3400W

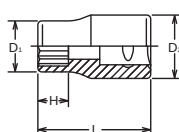
6-point Whitworth Sockets
Vasos Hexagonales Whitworth



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	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

3/8" Hand Sockets

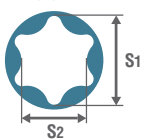
3415M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	10.8	17.4	5.5	26	21	10
6	12	17.3	6	26	26	10
7	13.3	17.4	6.5	26	26	10
8	14.5	17.3	7	26	26	10
10	16.8	17.3	8	26	27	10
12	20.8	19.5	9	27	43	10
13	21.9	20	9.5	27	46	10

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)**

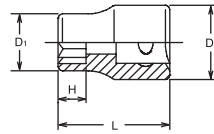


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

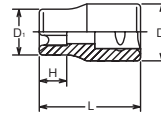
3400LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5S	10.8	17.3	5	26	20	10
6S	12	17.3	5.6	26	22	10
8S	15.8	17.3	6.8	26	25	10
10S	18	17	8	26	25	10
12S	22	20	9.2	28	42	10
14S	24.5	22.5	10.4	30	51	10
16S	28	26	11.6	32	77	10

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

3415M • 3415A Double Square Sockets Vasos Octagonales



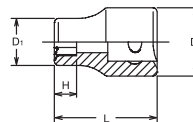
3425 TORX® Sockets Vasos TORX®



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



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Koken TOOL CO., LTD.

071

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 REPUERTO

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

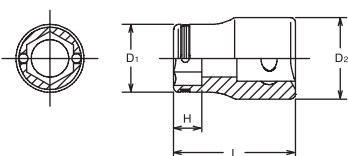
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3450M • 3450A



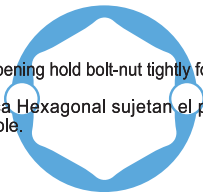
Nut Grip Sockets Nut Grip®
Vasos Sujeta-tuercas Nut Grip®



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.)
1/4	10.3	17.4	3.5	26	19	10
5/16	12	17.4	5	26	21	10
3/8	13.9	17.4	6	26	24	10
7/16	15.8	17.4	6.5	26	26	10
1/2	18	17	8	26	28	10
9/16	19.5	18.5	8.5	27	34	10
5/8	22	20	9	27	50	10
11/16	24.6	22.5	10.5	29	64	10
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

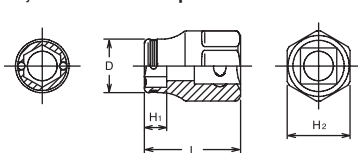


RS3450A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		360

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

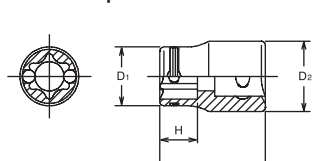


RS3450MH/6	6 Pieces Set/Rail 150mm	(g)
8, 10, 12, 13, 14, 17		230

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

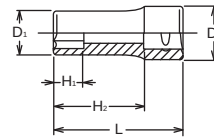
3300X 3305X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	9	26.5	40	34	10
9	13	17.3	10	26.5	40	36	10
10	14.5	17.3	11	26.5	40	36	10
11	16	17.2	12	26.5	40	36	10
12	16.8	17.2	13	26.5	40	36	10
13	18	17	14	26.5	40	37	10
14	20	18	16	26.5	40	46	10
15	21	20	16	25.5	40	49	10
16	22	20	17	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



FLAT DRIVE®

3300X • 3300XA

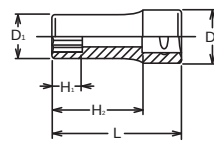
6-point Sockets, Semi-Deep
Vasos Hexagonales, Medianos



3305X 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

Socket Set on Rail
Juego de Vasos en Regleta



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

Socket Set on Rail
Juego de Vasos en Regleta



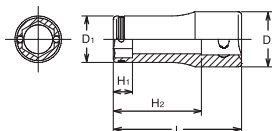
3350X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	5	26.5	40	33	10
10	14.5	17.4	6	26.5	40	35	10
12	16.8	17.2	7	26.5	40	40	10
13	18	17	8	26.5	40	45	10
14	19.5	18.5	8.5	26.5	40	48	10



NUT GRIP®

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



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

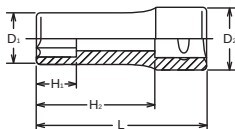
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3300M • 3300A



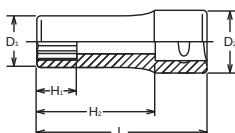
6-point Deep Sockets
Vasos Hexagonales Largos



3305M • 3305A



12-point Deep Sockets
Vasos Bihexagonales Largos



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



Socket Set on Rail
Juego de Vasos en Regleta

RS3305M/8



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



Socket Set on Rail
Juego de Vasos en Regleta

RS3305M/12



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



Socket Set on Rail
Juego de Vasos en Regleta

RS3305A/9



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

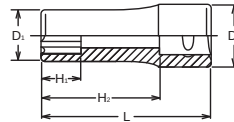
RS3305A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		628

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

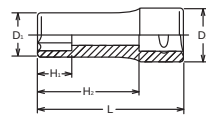
Socket Set on Rail
Juego de Vasos en Regleta



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

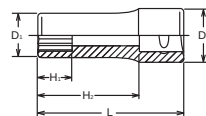
3300W

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

Socket Set on Rail
Juego de Vasos en Regleta

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

Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

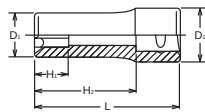
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3325 TORX® Deep Sockets Vasos TORX® Largos



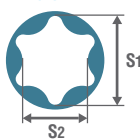
RS3325/9 Socket Set on Rail Juego de Vasos en Regleta



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

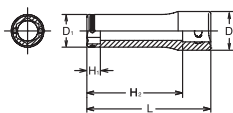
RS3325/9	9 Pieces Set/Rail 200mm	(g)
E4, E5, E6, E7, E8, E10, E12, E14, E16		420

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®



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

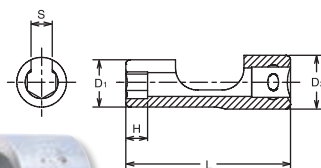


3350M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	5	41.5	55	50	10
10	14.5	17.4	6	41.5	55	54	10
12	16.8	17.2	7	41.5	55	58	10
13	18	17	8	41.5	55	59	10
14	19.5	18.5	8.5	41.5	55	71	10



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

3300FN Flare Nut Sockets Llaves de vaso para entubar

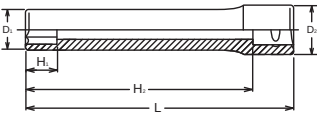


RS3300FN/6 Socket Set on Rail Juego de Vasos en Regleta

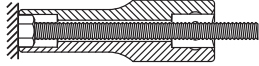


3300FN (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)	(g)	(pcs.)
8	14.5	17.3	6	53	6.4	38	10
9	16	17.3	7	53	6.8	41	10
10	16.8	17.2	7.5	53	7.2	42	10
11	18	17	8.5	53	8.3	42	10
12	20	18	9	53	8.8	50	10
13	21.1	20	9.5	62	9.4	66	10
14	22	20	10.5	62	10.5	66	10
15	23	22	11	70	11.5	82	10
16	24	23	11.5	70	12	90	10
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
21	30	27.5	15	80	15.5	170	10
22	32	29.5	16	80	16	180	10
24	34.5	31.5	17	80	17	200	10

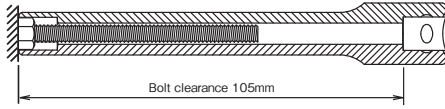
RS3300FN/6	6 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14, 17, 19		450



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.)
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.)
7/16	15.8	17.3	6.5	106.5	120	123	10
1/2	18	17	8	106.5	120	142	10
9/16	20	18.5	8.5	106.5	120	179	10



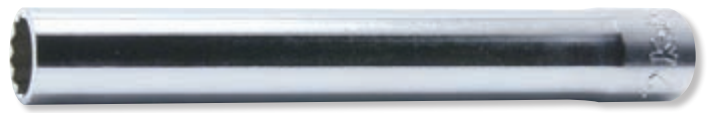
NUT GRIP®

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



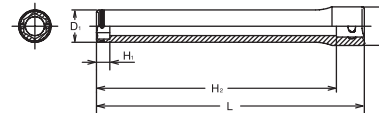
3300M/4-L120 Socket Set Juego de Vasos

3305M/4-L120



3350M (L120) • 3350A (L120)

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



3350M/2-L120 Socket Set Juego de Vasos



Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

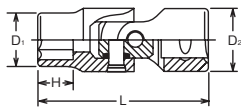
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

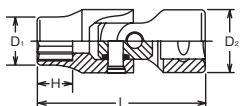
3440M • 3440A

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

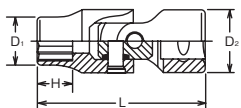
RS3440A/8

Socket Set on Rail
Juego de Vasos en Regleta



3445W

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



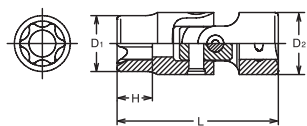
RS3445W/7

Socket Set on Rail
Juego de Vasos en Regleta



3440T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal

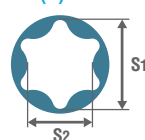


RS3440T/8

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

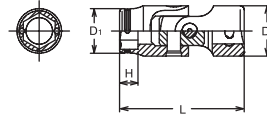
3440T (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 6	7.9	19	5.4	44.9	60	10
E 8	9.9	19	7	46.5	63	10
E10	11.8	19	8.2	47.7	63	10
E12	14.5	19	9.3	48.8	68	10
E14	15.7	19	10.6	50.1	68	10
E16	18	19	11.8	51.3	70	10
E18	19.5	19	13	53.5	78	10
E20	22	19	14.4	54.9	81	10

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
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
15	21	19	9	50	69	10
16	22	19	9	50	70	10
17	23.5	19	9.5	51	73	10
18	24.6	19	10.5	51.5	76	10
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

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

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

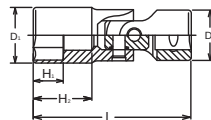
3430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	19	15.5	62	66	10
6	19	15.5	62	70	10
7	19	15.5	62	72	10
8	19	15.5	62	74	10
10	19	15.5	62	78	10
12	19	15.5	62	85	10

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

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



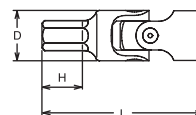
3340M-75 Universal Deep Sockets
Vasos Largos con Articulación Universal



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



3430M Universal Inhex Bit Sockets
Vasos Inhex con Articulación Universal



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



Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

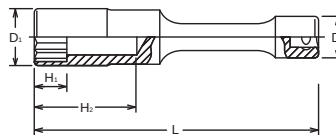
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3117M-125 • -250

Extension Deep Sockets
Vasos con Alargadera

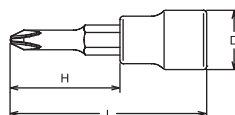


3117M.125 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	14.5	18	10	44	125	121	1
12	17	18	12	44	125	133	1
13	18	18	13	44	125	134	1
14	19.5	18	14	44	125	145	1
17	23.5	18	17	44	125	178	1
19	25	18	19	44	125	187	1

3117M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
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)

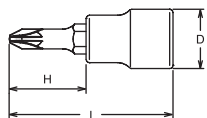
PH Bit Sockets
Vasos con Punta PH



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)

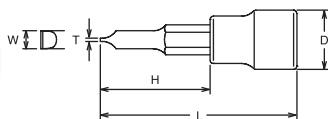
PZ Bit Sockets
Vasos con Punta PZ



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

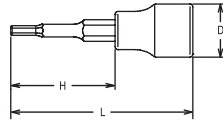


3005	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0× 5.5	18	33.5	60	47	10
8	1.2× 8	18	33.5	60	49	10
10	1.6×10	20	33.5	60	85	10

	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 No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(IPR) series	No.3027 series
1/2"	No.4000 series	No.4000(PZ) series	No.4005 series	No.4010M/A No.4012M/A series	—	No.4020 series	No.4025 series	—	No.4025(IP) series	—	No.4027 series

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.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

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

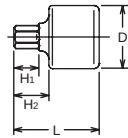
RS3010A/8-L50



Hand Sockets 3/8"

3012M-25

 Inhex Sockets
Vasos con Punta de Hexagonal

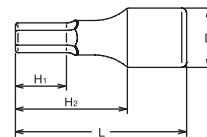


3012M-52 · -62 · -75

 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

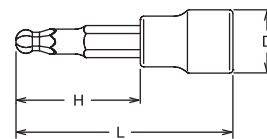
3012A.75 (inch)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
1/8	18	10	57	75	41	10
5/32	18	15.5	57	75	43	10
3/16	18	15.5	57	75	48	10
7/32	18	15.5	57	75	53	10
1/4	18	15.5	57	75	53	10
9/32	18	15.5	57	75	58	10
5/16	18.5	15.5	57	75	72	10
11/32	18.5	15.5	57	75	92	10
3/8	20	15.5	57	75	110	10
7/16	20	15.5	57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

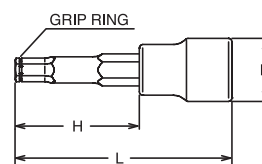
⚠ 3015M have less load capacity than standard. It must be used with proper engagement and apply load evenly to avoid breakage.

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"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

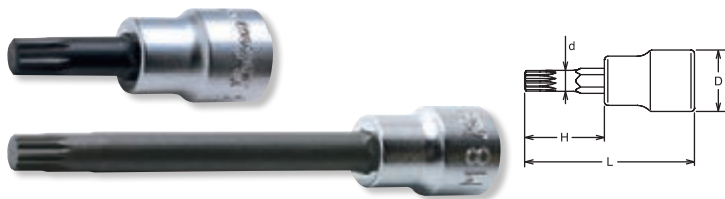
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

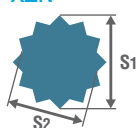


RS3020/7-L50

Socket Set on Rail
Juego de Vasos en Regleta



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

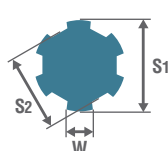


RS3027/5-L50

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

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

M5, M6, M8, M10, M12, M14

(g)

308

RS3020/7-L50

7 Pieces Set/Rail 200mm

M4, M5, M6, M8, M10, M12, M14

(g)

400

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

5 Pieces Set/Rail 150mm

M5, M6, M8, M10, M12

(g)

240

3/8" Hand Sockets

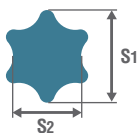
3025.38 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 8	18	11.5	38	32	10
T 9	18	11.5	38	32	10
T10	18	11.5	38	32	10
T15	18	11.5	38	33	10
T20	18	11.5	38	33	10
T25	18	11.5	38	33	10
T27	18	11.5	38	33	10
T30	18	11.5	38	33	10
T40	18	11.5	38	34	10
T45	18	11.5	38	37	10
T50	18	11.5	38	40	10
T55	20	11.5	38	57	10

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

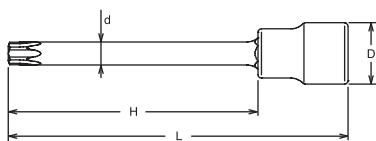
TORX®
(T)



T	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
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

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

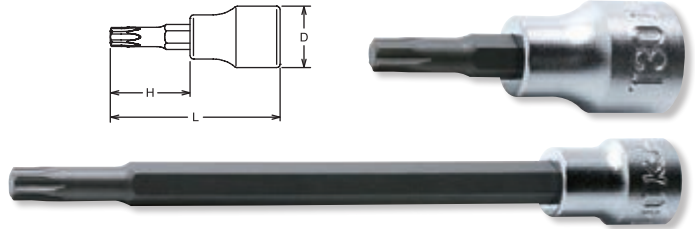
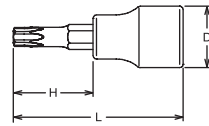


RS3025/8-L100R	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		490

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



Socket Set on Rail
Juego de Vasos en Regleta



3025-50-T35



Bit Socket
Vasos con Punta



3025-100R (T)



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



RS3025/8-L100R



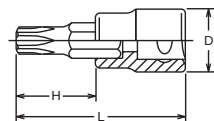
Socket Set on Rail
Juego de Vasos en Regleta



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

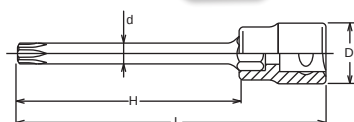


3247	4 Pieces Set/△=385g
PLASTIC BAG	Sockets
3025.160 Tamper-Resistant TORX® Bit Sockets	T27H, T30H, T40H, T50H

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

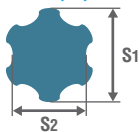
3025.50 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10IP	18	23.5	50	38	10
15IP	18	23.5	50	38	10
20IP	18	23.5	50	38	10
25IP	18	23.5	50	38	10
27IP	18	23.5	50	40	10
30IP	18	23.5	50	40	10
40IP	18	23.5	50	41	10
45IP	18	23.5	50	41	10
50IP	20	23.5	50	61	10
55IP	20	23.5	50	61	10

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	

$$\frac{1}{4}" + \frac{3}{8}" + \frac{1}{2}"$$

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	

$$\frac{1}{4}" + \frac{3}{8}"$$

TORXPLUS® (IPR)

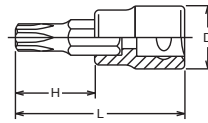


IPR	8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S ₁ (ref. mm)	2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
S ₂ (ref. mm)	2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7

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

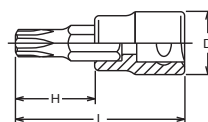
Socket Set on Rail
Juego de Vasos en Regleta



3025-50 (IPR)

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

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
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

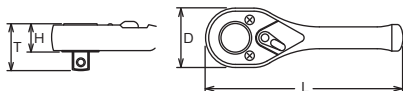
AUTOMOTIVE

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

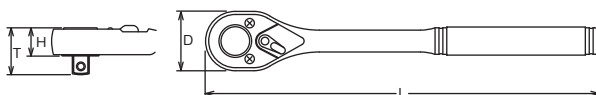
Reversible Ratchet
Llave de Carraca Reversible



* 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 3/8" ratchet due to the technical design. Make sure to use the ratchet correctly.

3749S

Reversible Ratchet Short
Llave de Carraca Reversible Corta



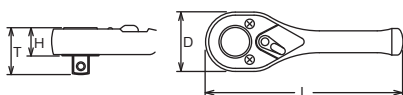
* Renewal Kits → 3749RK → P320

3749SB

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



* Renewal Kits → 3749BRK → P320

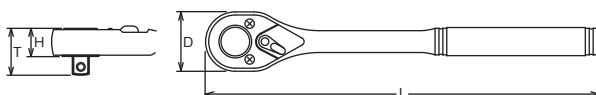


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3749S	34	24.8	14.1	110	183	5
3749SB	34	24.8	14.1	110	183	5

⚠ 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

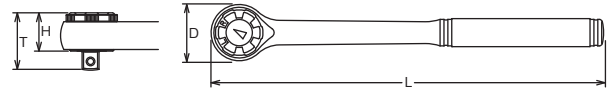


* Renewal Kits → 3752RK → P321

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

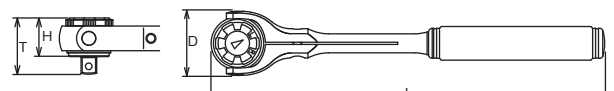


* Renewal Kits → 3752RK → P321

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



Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
MANGUITO

INDUSTRIAL
INDUSTRIALES

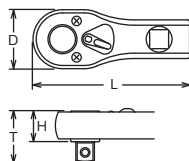
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS 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

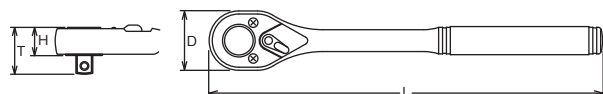


* Renewal Kits → 3753RK → P320

D3753J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 3753RK → P320

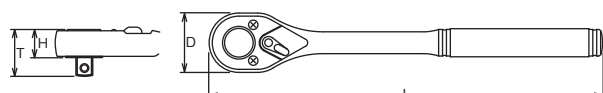


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753N	30.5	26.4	15.7	200	320	1
3753P	30.5	26.4	15.7	200	286	1
3753J	30.5	26.4	15.7	200	260	1
D3753J	30.5	26.4	15.7	200	260	1

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



* Renewal Kits → 3753RK → P320



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
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

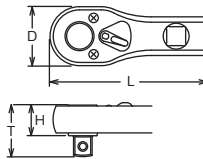


* Renewal Kits → 3753BRK → P320

	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

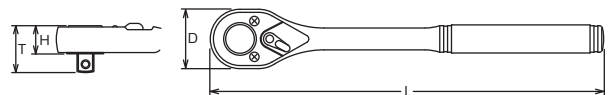
Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida



* Renewal Kits → 3753BRK → P320

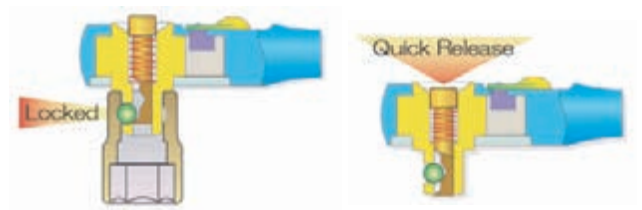


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753NB	30.5	26.4	15.7	200	320	1
3753PB	30.5	26.4	15.7	200	286	1
3753JB	30.5	26.4	15.7	200	260	1



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
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

2774PS-3/8

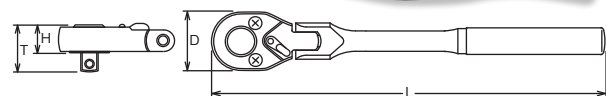
Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → 2749RK-3/8 → P320

2774JS-3/8

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



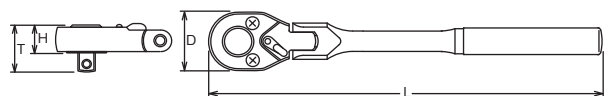
* Renewal Kits → 2749RK-3/8 → P320

	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



OVAL SHAPE
SHANK



* Renewal Kits → 3753RK → P320

3774P

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



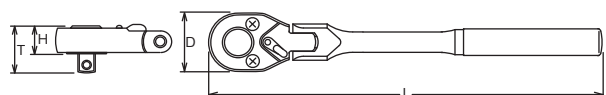
* Renewal Kits → 3753RK → P320

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

3/8" Hand Sockets

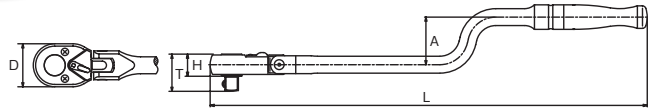


* Renewal Kits → 3753BRK → P320

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



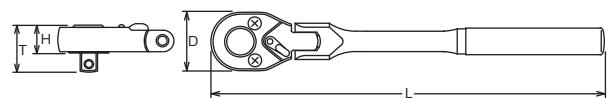
* Renewal Kits → 3753BRK → P320

3774JB

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

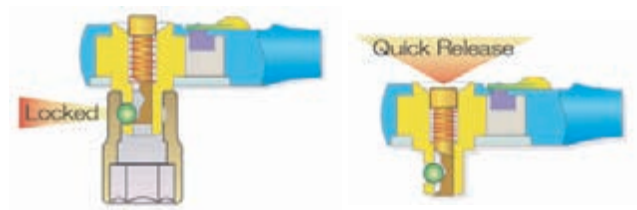


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774NB	30.5	26.4	15.7	265	378	1
3774PB	30.5	26.4	15.7	265	373	1
3774JB	30.5	26.4	15.7	285	340	1



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"**

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3774NL

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



OVAL SHAPE
SHANK



* 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



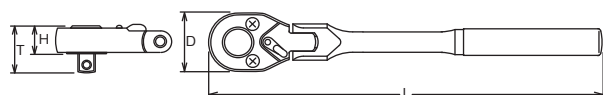
OVAL SHAPE
SHANK



* 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.

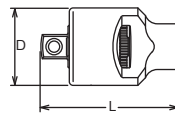
45

* Renewal Kits → 3755RK → P321

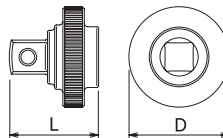
	D (mm)	L (mm)	(g)	(pcs.)
3755	30.5	55	146	5

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

3755 Ratchet Adaptor
Adaptador de carraca



3756 Quick Spinner
Disco de Giro Rápido

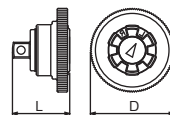


45

* Renewal Kits → 3752RK → P321

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

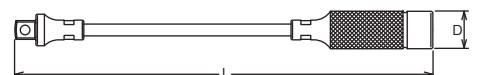
3757 Ratchet Wheel
Rueda de carraca



3762 Flexible Extension Bar
Alargadera Flexible



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



Hand Sockets **3/8"**

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

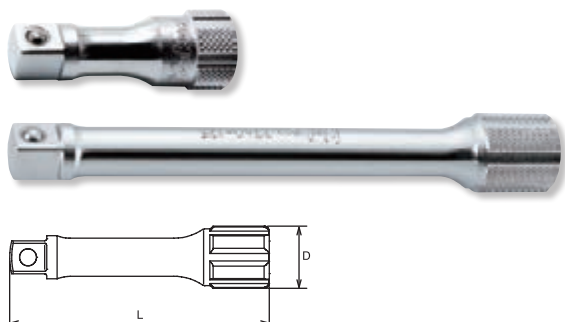
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3760 Extension Bars Alargaderas



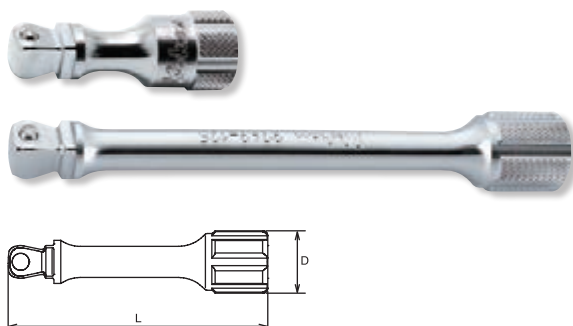
3760	D (mm)	L (mm)	(g)	(pcs.)
32	18	32	27	10
50	18	50	47	10
75	18	75	68	10
125	18	125	106	10
150	18	150	125	10
250	18	250	196	5
300	18	300	291	2
400	18	400	365	1
500	18	500	490	1
600	18	600	538	1
900	18	900	805	1
1000	18	1000	968	1

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 Articulas-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

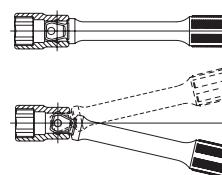
PK3763/6 Set Juego



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 Articula-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.

3/8" Hand Sockets



RENEWAL KIT FOR
HINGE HANDLE



OVAL SHAPE
SHANK



* Renewal Kits → 3768RK → P323

3768N-175 Hinge Handle Mango Articulado



* Renewal Kits → 3768RK → P323

3768N-250 Hinge Handle Mango Articulado



* Renewal Kits → 3768RK → P323

3768P-250 Hinge Handle Mango Articulado

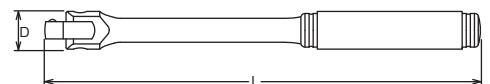


* Renewal Kits → 3768RK → P323

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



* Renewal Kits → 3768RK → P323

3768N-300 Hinge Handle ⚠ Mango Articulado

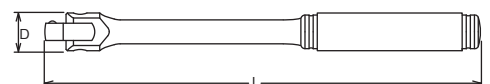


* Renewal Kits → 3768RK → P323

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.

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

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

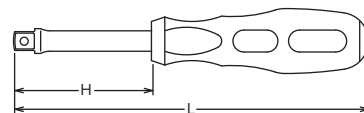
3769N-160 • -230

Spin Type Handle
Mango Tipo Destornillador



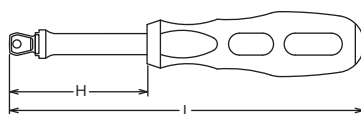
3769N	H (mm)	L (mm)	(g)	(pcs.)
160	50	160	110	2
230	120	230	135	2

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 Articulado-Fijos

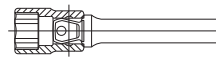


3769NWF	H (mm)	L (mm)	(g)	(pcs.)
160	50	160	110	2
230	120	230	135	2

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

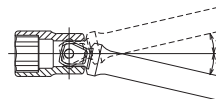
Wobble-Fix Extension Bar

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.



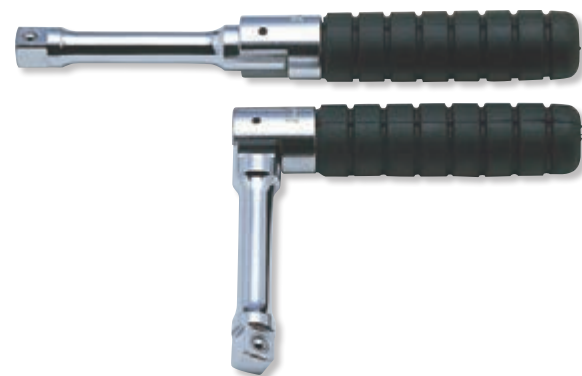
Alargadera Articulada-Fija

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.

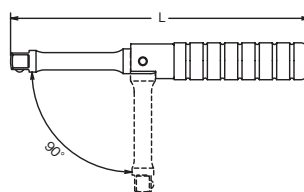


3769H

Folding Socket Driver
Llave de Vaso Plegable

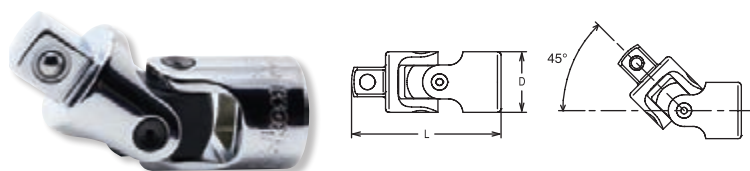


3769H	L (mm)	(g)	(pcs.)
3769H	170	210	2



3770

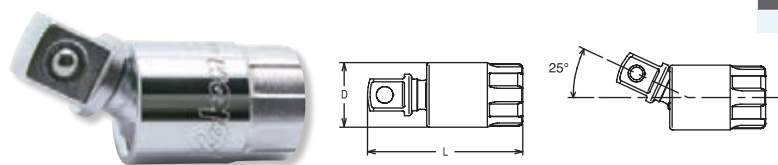
Universal Joint
Articulación Universal



3770	D (mm)	L (mm)	(g)	(pcs.)
3770	19.0	50	66	10

3771

Universal Joint
Articulación Universal

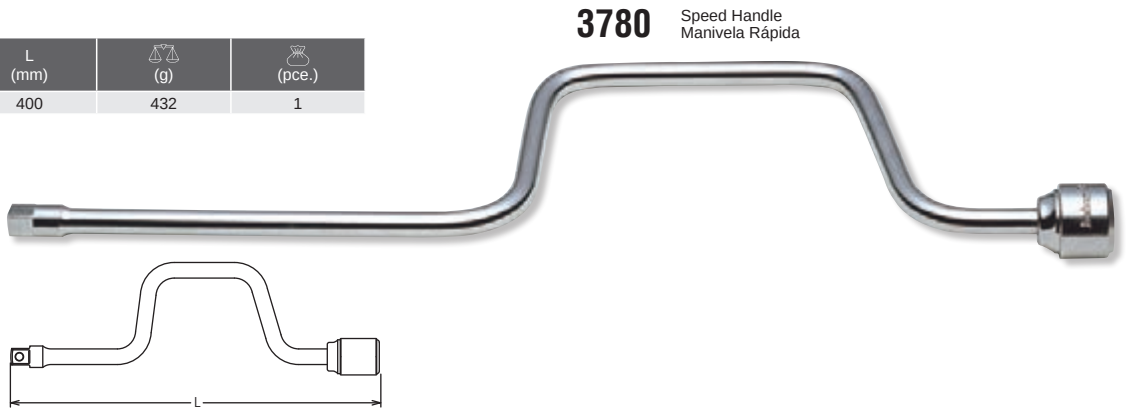


3771	D (mm)	L (mm)	(g)	(pcs.)
3771	18.0	43	46	10



3/8" Hand Sockets

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



3780 Speed Handle
Manivela Rápida



OVAL SHAPE
SHANK



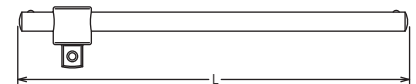
3785 T-Handle
Mango Corredizo



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



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

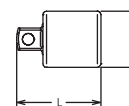


	(sq)	(sq)	D (mm)	L (mm)	(g)	(pcs.)
3322A	3/8"	1/4"	16.0	24	18	10
3344A	3/8"	1/2"	18.0	30	35	10

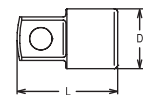
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

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 Piezas=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



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

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: W415×H120×T50mm

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: W415×H120×T50mm

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: W445×H190×T50mm

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: W395×H90×T50mm

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: W395×H90×T50mm

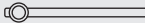
Sockets	Accessories
3400A 6-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16	3753N
3405A 12-pt. Sockets 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3760-125
	3760-250
	3768N-250
	3785

3206AM 27 Pieces Set/⚖️=3,500g

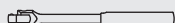
METAL CASE: W445×H190×T50mm

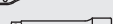
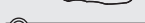
Sockets	Accessories
3405M 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	3753N
3405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3760-125
	3760-250
	3768N-250
3300C Spark Plug Socket 20.8	3770

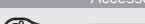
3/8" Hand Sockets

3210M 22 Pieces Set/△=2,900g	
METAL CASE:W360×H145×T50mm	
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/△=850g	
METAL CASE:W163×H52×T33mm	
Sockets	
3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	

3220M 14 Pieces Set/△=2,270g	
METAL CASE:W415×H120×T50mm	
Sockets	Accessories
3405M 12-pt. Sockets 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22	 3753N  3760-125  3768N-250

3221M 18 Pieces Set/△=2,300g	
METAL CASE:W415×H120×T50mm	
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

3244 12 Pieces Set/△=1,110g	
METAL CASE:W240×H100×T32mm	
Sockets	Accessories
3025.50 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50	 3753N  3760-75
3425 TORX® Sockets E8, E10, E12	

3210M Socket Set
Juego de Vasos



3217M Socket Set
Juego de Vasos



3220M Socket Set
Juego de Vasos



3221M Socket Set
Juego de Vasos



3244 Socket Set
Juego de Vasos



Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
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CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



S3240M-00 3400M 177 Pieces Set/△=10,300g
S3240M-05 3405M 177 Pieces Set/△=10,300g

DISPLAY STAND:W510×H150×T230mm

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:W510×H150×T230mm

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:W415×H120×T50mm

Sockets	Accessories
3400M 6-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	3753N
	3760-125
	3760-250
	3770
	3785

3252M

Socket Set
Juego de Vasos



3252M 15 Pieces Set/△=1,530g

METAL CASE:W310×H90×T48mm

Sockets	Accessories
3400M 6-pt. Sockets 5.5, 7, 8, 10, 11, 12	3753P
3405M 12-pt. Sockets 13, 14, 17, 19, 22	3760-75
	3760-125
	3770

P3262M-6P

Socket Set
Juego de Vasos

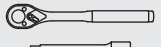
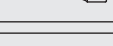
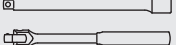


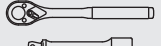
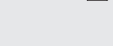
P3262M-6P 11 Pieces Set/△=1,140g

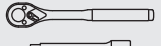
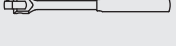
PLASTIC CASE:W245×H120×T45mm

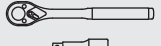
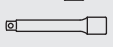
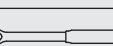
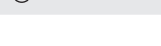
Sockets	Accessories
3400M 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19	3753N
	3760-75
	3760-125
	3770

3/8" Hand Sockets

3275 24 Pieces Set/△=3,150g	
METAL CASE:W400×H147×T50mm	
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:W310×H150×T50mm	
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:W370×H150×T50mm	
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:W445×H190×T50mm	
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

3275 Socket Set
Juego de Vasos



3276 Bit Socket Set
Juego de Vasos con Punta



3277 Socket Set
Juego de Vasos



3279AM 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 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

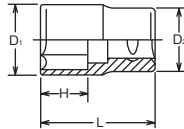
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

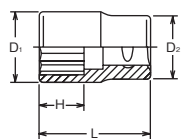
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4400M 6-point Sockets Vasos Hexagonales



FLAT DRIVE®

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



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)	Tamper-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

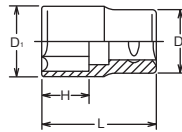
RS4405W/8	8 Pieces Set/Rail 250mm	(g)
3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8		860

BS W

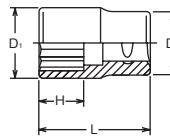


BS · W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

4400A 6-point Sockets Vasos Hexagonales



4405A 12-point Sockets Vasos Bihexagonales

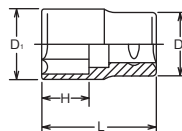


RS4400A/10 Socket Set on Rail Juego de Vasos en Regleta

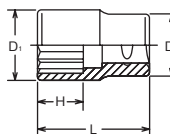
RS4405A/10



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



Hand Sockets 1/2"

Z-SERIES

HAND
MANUALES

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SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

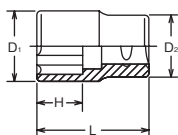
PROTECTOR
PROTECTORES

AUTOMOTIVE

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CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



SURFACE DRIVE

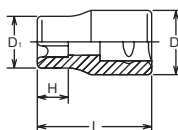
4410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74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



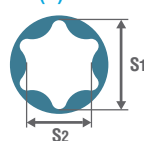
4425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 8	10.7	21	7	36	41	10
E10	13.2	21	8.2	36	44	10
E11	13.8	21	8.7	37	45	10
E12	14.6	21	9.3	37	47	10
E14	16.5	21	10.6	37	48	10
E16	19	22	11.8	37	57	10
E18	20.3	22	13	37	57	10
E20	22.8	22	14.4	37	63	10
E22	25	24	15.5	37	78	10
E24	26.5	25	17	40	95	10

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



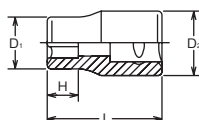
RS4425/7	7 Pieces Set/Rail 200mm	(g)
E10, E12, E14, E16, E18, E20, E24		428

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

1/2" Hand Sockets

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.)
10EPRL	13.2	21	6.2	36	45	10
12EPRL	14.6	21	7.2	37	47	10
14EPRL	16.5	21	8.1	37	49	10
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

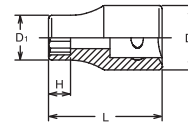
RS4450M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		717

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®

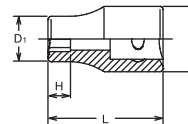


RS4425/6-EPL Socket Set on Rail Juego de Vasos en Regleta

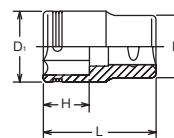


4425-EPRL Tamper-Resistant TORXPLUS® Sockets Vasos TORXPLUS® Indeformable

TORXplus®



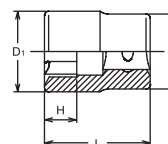
4450M Nut Grip Sockets Nut Grip® Vasos Sujeta-Tuercas Nut Grip®



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



4400LH LHS Sockets Vasos LHS



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



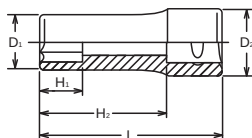
TORXplus® is a registered trademark of CAMCAR Innovations®.
TORXplus® es una marca registrada de CAMCAR Innovations®.

LHS is a registered trademark of OSG SYSTEM PRODUCTS CO., LTD.
LHS es una marca registrada de OSG SYSTEM PRODUCTS CO., LTD.

Koken TOOL CO., LTD.

4300M • 4300A

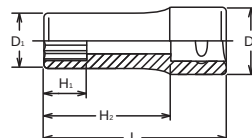
6-point Deep Sockets
Vasos Hexagonales Largos



4300M 4305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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	484	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

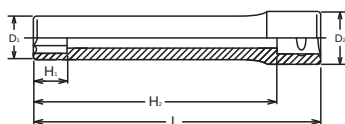
Socket Set on Rail
Juego de Vasos en Regleta

RS4305A/10



4300M (L120)

6-point Extra Deep Sockets
Vasos Hexagonales Extra Largos



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) (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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®

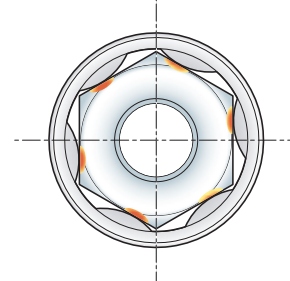
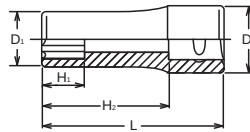
Twin balls at the TORX® opening hold bolt-nut tightly for safe and reliable work.

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



4310M

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



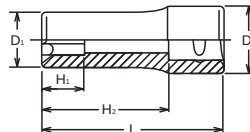
RS4310M/10

Socket Set on Rail
Juego de Vasos en Regleta



4325

TORX® Deep Sockets
Vasos TORX® Largos



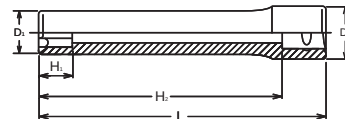
RS4325/7

Socket Set on Rail
Juego de Vasos en Regleta



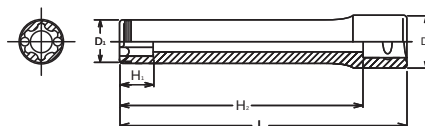
4325 (L140)

TORX® Extra Deep Sockets
Vasos TORX® Extra Largos



4325 (L140)-2B

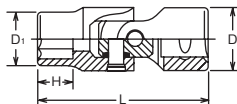
TORX® Extra Deep Sockets, Nut Grip®
Vasos TORX® Extra Largos, Nut Grip®



4440M • 4440A



6-point Universal Sockets
Vasos Hexagonales con Articulación Universal



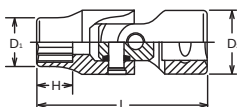
4440M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
9	14	25	8.3	63	150	10
10	15.3	25	8.8	63	155	10
11	16.5	25	10	65	158	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
15	21.5	25	13	68	149	10
16	22.8	25	13	68	150	10
17	24	25	14	69	150	10
18	25.3	25	14	69	150	10
19	26.5	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



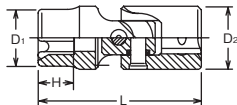
4445M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	25	8.8	63	155	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
17	24	25	14	69	150	10
19	26.5	25	15	71	170	10
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

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

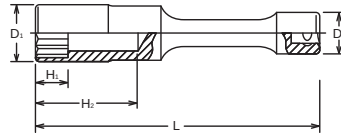
1/2" Hand Sockets

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



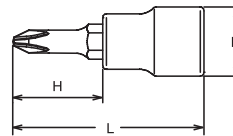
4117M.125 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)
13	18.7	24	13	59	125	213	1
14	20.2	24	14	59	125	227	1
17	24	24	17	59	125	274	1
19	26.9	24	19	59	125	279	1

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



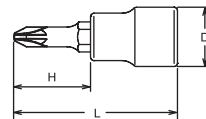
4000 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2	22	23.5	60	65	10
3	22	23.5	60	65	10
4	22	23.5	60	67	10

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



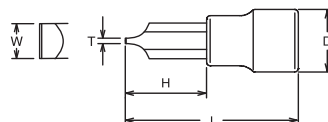
4000.60 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ2	22	23.5	60	65	10
PZ3	22	23.5	60	65	10

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



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

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



Hand Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

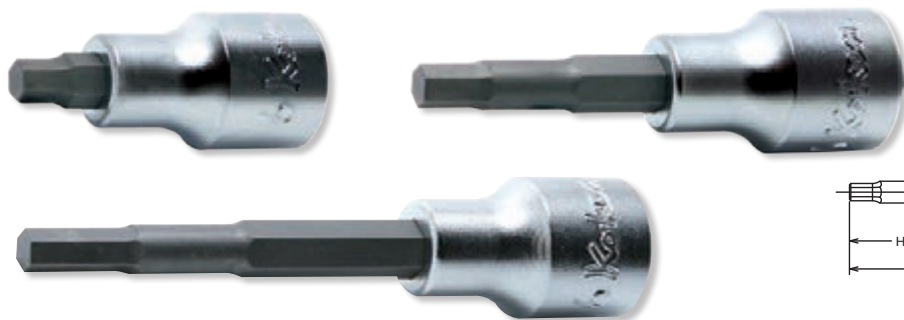
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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 RS4010M/10-L75 RS4010A/10-L60

Socket Set on Rail
Juego de Vasos en Regleta



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

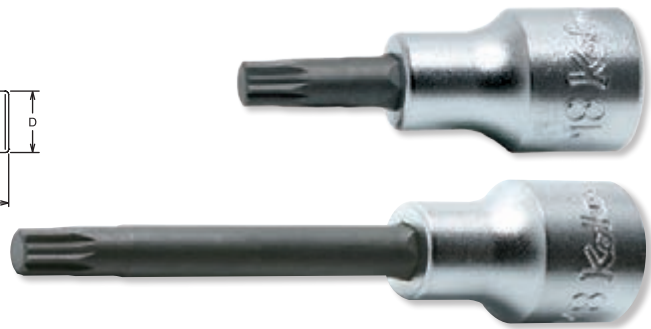
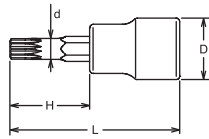
RS4010M/10-L75	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,207

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



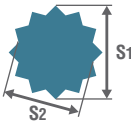
4020.60 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	23.5	60	60	10
M 6	22	7.8	23.5	60	61	10
M 8	22	7.8	23.5	60	63	10
M10	23	11.9	23.5	60	93	10
M12	23	11.9	23.5	60	97	10
M14	24	13.9	23.5	60	105	10
M16	25	16.9	20	60	165	10
M18	25	17.9	20	60	170	10

4020.120 (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

4020.100 (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

4020.140 (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
S1	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S2	(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 No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(IPR) series	No.3027 series
1/2"	No.4000 series	No.4000(PZ) series	No.4005 series	No.4010M/A No.4012M/A series	—	No.4020 series	No.4025 series	—	No.4025(IP) series	—	No.4027 series

Hand Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

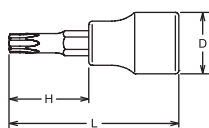
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

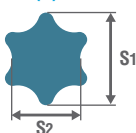
RS4025/9-L60

  Socket Set on Rail
Juego de Vasos en Regleta



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

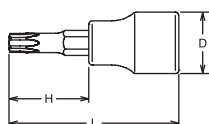
TORX®
(T)



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



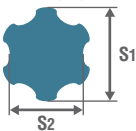
4025.60	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T35	22	23.5	60	96	10

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

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

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

TORXPLUS® (IP)



IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S 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

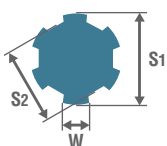
4027.60	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	62	10
M 7	22	23.5	60	63	10
M 8	22	23.5	60	64	10
M 9	22	23.5	60	70	10
M10	22	23.5	60	74	10
M12	23	23.5	60	96	10
M13	24	23.5	60	116	10
M14	24	23.5	60	122	10
M16	24	25	60	135	10

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	5
M12	23	103.5	140	171	5
M14	24	103.5	140	226	5
M16	24	100	140	320	5

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

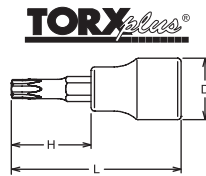
Ribe CV



CV		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
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

4025-60 · -100 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®



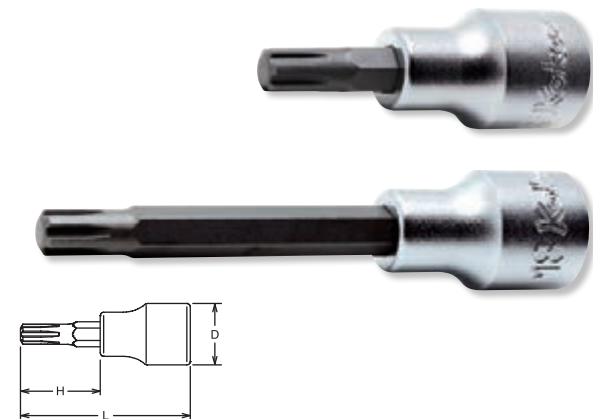
RS4025/9-IP

Socket Set on Rail
Juego de Vasos en Regleta



4027-60 · -100 · -140

Bit Sockets for Ribe Screws
Vasos con Punta para Tornillos Ribe



RS4027/6-L60

Socket Set on Rail
Juego de Vasos en Regleta

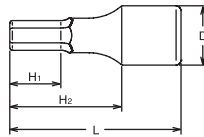


Hand Sockets 1/2"

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

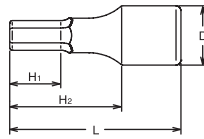
910



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.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.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.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.

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

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

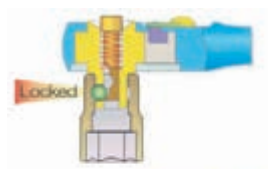
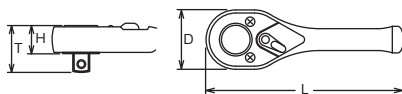


* Renewal Kits → 3749SRK-1/2 → P320

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



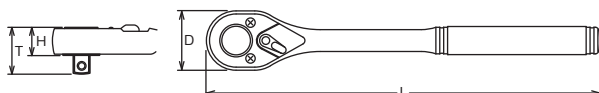
⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

	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

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

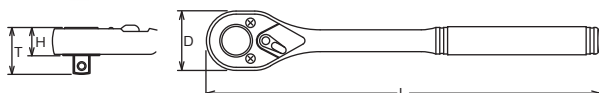


* Renewal Kits → 4749RK → P320

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

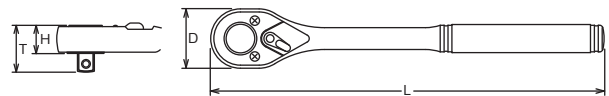


* Renewal Kits → 4750RK → P320

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

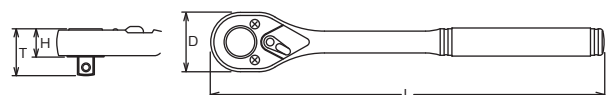


* Renewal Kits → 4750BRK → P320

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"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4752N Reversible Ratchet Llave de Carraca Reversible



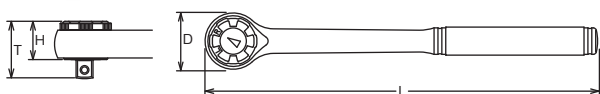
* Renewal Kits → 4752RK → P321



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

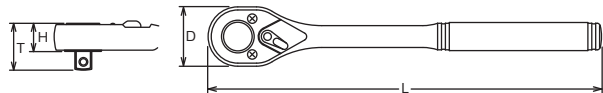


* Renewal Kits → 4753RK → P320

D4753J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 4753RK → P320

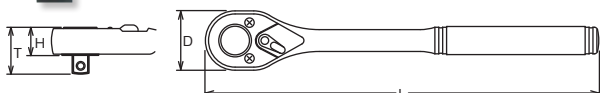


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753N	38	36.2	21.6	250	595	1
4753P	38	36.2	21.6	250	570	1
4753J	38	36.2	21.6	250	545	1
D4753J	38	36.2	21.6	250	510	1

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



* 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



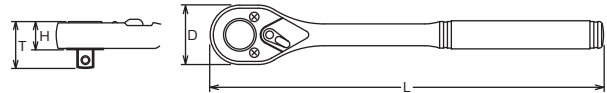
* Renewal Kits → 4753BRK → P320

4753JB

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



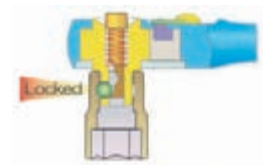
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753NB	38	36.2	21.6	250	595	1
4753PB	38	36.2	21.6	250	570	1
4753JB	38	36.2	21.6	250	545	1



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
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
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



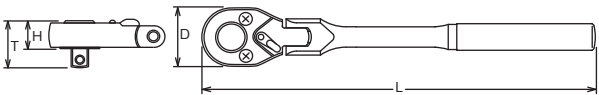
* Renewal Kits → **4753RK** → **P320**



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



* Renewal Kits → **4753RK** → **P320**

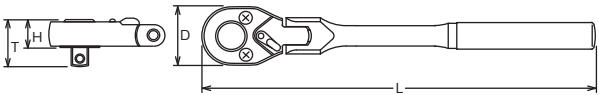


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4774N	38	36.2	21.6	330	700	1
4774P	38	36.2	21.6	330	700	1
4774J	38	36.2	21.6	330	685	1

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**

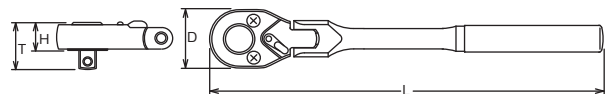
4774JB

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.

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

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

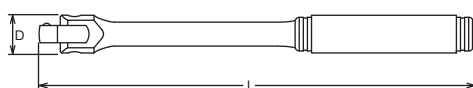
* Renewal Kits → 4768RK → P323



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

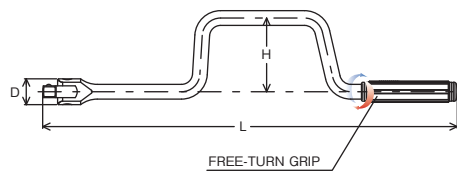
Hinge Handle
Mango Articulado

* 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

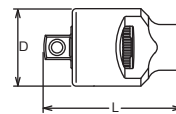


	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4781N-450	28	80	450	1000	1

4755 Ratchet Adaptor Adaptador de carraca

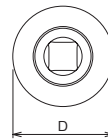
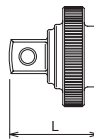
45

* Renewal Kits → 4755RK → P321



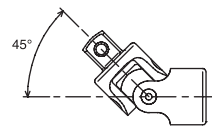
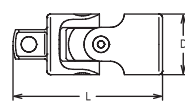
	D (mm)	L (mm)	(g)	(pcs.)
4755	33.5	65	270	5

4756 Quick Spinner Disco de Giro Rápido



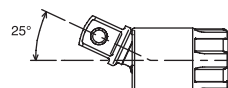
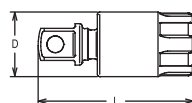
	D (mm)	L (mm)	(g)	(pcs.)
4756	38	34.5	95	10

4770 Universal Joint Articulación Universal



	D (mm)	L (mm)	(g)	(pcs.)
4770	25.0	62.4	150	10

4771 Universal Joint Articulación Universal



	D (mm)	L (mm)	(g)	(pcs.)
4771	23.7	57.7	113	10



UNIVERSAL JOINT



Hand Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

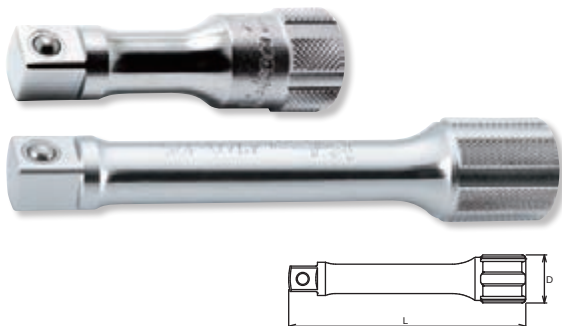
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4760 Extension Bars Alargaderas



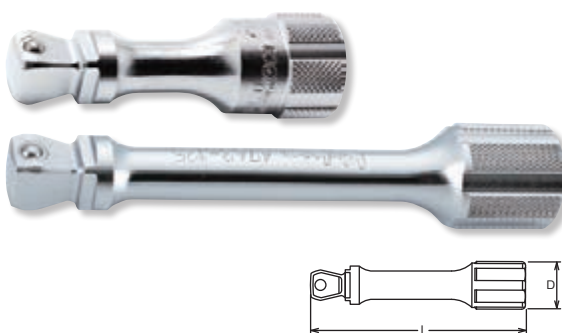
4760	D (mm)	L (mm)	(g)	(pcs.)
35	24	35	56	10
50	24	50	92	10
75	24	75	138	10
100	24	100	158	5
125	24	125	194	5
150	24	150	266	5
200	24	200	295	5
250	24	250	358	5
300	24	300	492	2
400	24	400	650	1
500	24	500	808	1
600	24	600	968	1
900	24	900	1430	1
1000	24	1000	1593	1

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 ⚠️



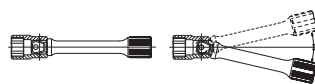
4763	D (mm)	L (mm)	(g)	(pcs.)
50	24	50	95	10
75	24	75	111	10
125	24	125	157	5
150	24	150	181	5
250	24	250	357	5
300	24	300	480	2
400	24	400	650	1

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

PK4763/5 Set Juego



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



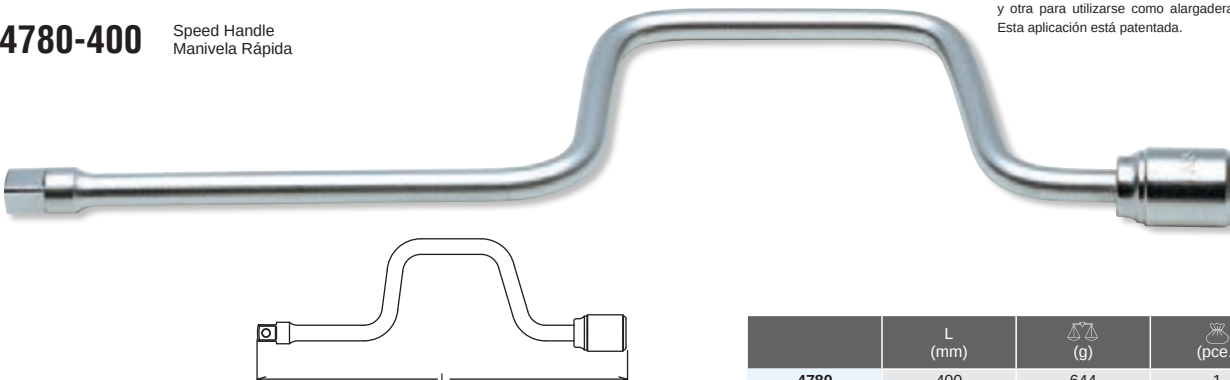
Wobble-Fix Extension Bar

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

Alargadera Articulada-Fija

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

4780-400 Speed Handle Manivela Rápida



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



4785 T-Handle Mango Corredizo



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



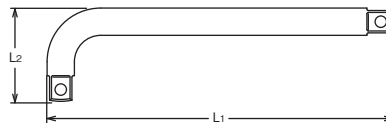
	L (mm)	(g)	(pcs.)
4785	300	410	2



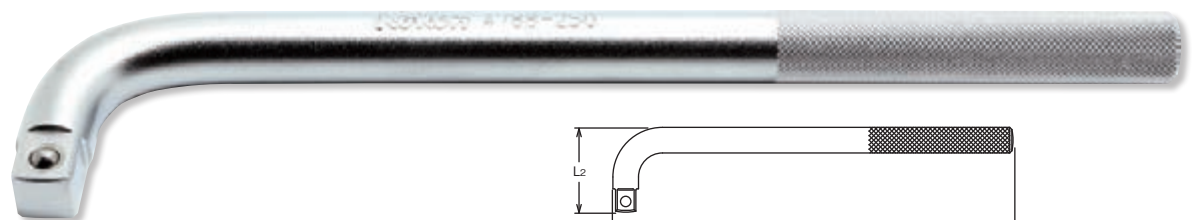
4747 L-Handle Mango Acodado



	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.)
4788				
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.

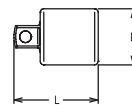
4433A	(sq.)	(sq.)	D (mm)	L (mm)	(g)	(pcs.)
35	1/2"	3/8"	21.9	35	50	10
75	1/2"	3/8"	21.9	75	120	10
125	1/2"	3/8"	21.9	125	164	5
250	1/2"	3/8"	21.9	250	275	5
600	1/2"	3/8"	21.9	600	530	1

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

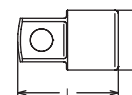
La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

	(sq.)	(sq.)	D (mm)	L (mm)	(g)	(pcs.)
4466A	1/2"	3/4"	25.0	42	108	10

4433A Adaptors Adaptadores Warranty 290Nm Garantía 290Nm ⚠



4466A Adaptor Adaptador



Hand Sockets 1/2"

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

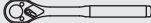
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

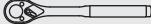
4222M Socket Set Juego de Vasos



4222M 13 Pieces Set/🔑=2,780g	
METAL CASE:W415×H120×T50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 17, 19, 21, 22, 24	 4753N  4760-125  4770

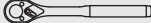
4223M Socket Set Juego de Vasos



4223M 15 Pieces Set/🔑=2,600g	
METAL CASE:W415×H120×T50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	 4753N  4760-125  4770

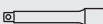
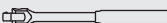
4227M Bit Socket Set Juego de Vasos con Punta

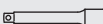


4227M 10 Pieces Set/🔑=2,550g	
METAL CASE:W310×H150×T50mm	
Sockets	Accessories
4012M.75 Hex Bit Sockets 5, 6, 8, 10, 12, 14, 17	 4749N-250  4760-75  4760-125

4230M • 4230A Socket Sets Juegos de Vasos



4230M 17 Pieces Set/🔑=3,150g	
METAL CASE:W395×H90×T50mm	
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:W395×H90×T50mm	
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

1/2" Hand Sockets

4232M 16 Pieces Set/△=3,300g	
METAL CASE:W415×H120×T50mm	
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



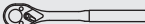
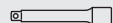
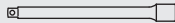
S4240M-00	4400M 117 Pieces Set/△=13,000g	
S4240M-05	4405M 117 Pieces Set/△=13,000g	
DISPLAY STAND:W510×H150×T230mm		
Sockets		
10mm:9pcs	16mm:9pcs	24mm:6pcs
11mm:9pcs	17mm:8pcs	27mm:5pcs
12mm:9pcs	19mm:7pcs	30mm:5pcs
13mm:9pcs	21mm:7pcs	32mm:4pcs
14mm:9pcs	22mm:6pcs	
15mm:9pcs	23mm:6pcs	

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



S4240A-00	4400A 103 Pieces Set/△=13,000g	
S4240A-05	4405A 103 Pieces Set/△=13,000g	
DISPLAY STAND:W510×H150×T230mm		
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:W446×H266×T50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	 4753N  4760-125  4760-250
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	 4770  4780  4785
4300C Spark Plug Socket 20.8	

4238AM Socket Set Juego de Vasos



Hand Sockets **1/2"**

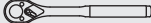
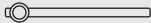
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4241M Socket Set
Juego de Vasos



4241M 28 Pieces Set/ Δ = 6,500g

METAL CASE: W445×H190×T50mm

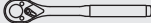
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	 4753N  4760-125  4760-250  4768N-380  4770  4785

4241A Socket Set
Juego de Vasos



4241A 19 Pieces Set/ Δ = 5,350g

METAL CASE: W445×H190×T50mm

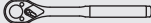
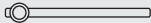
Sockets	Accessories
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	 4753N  4760-125  4760-250  4768N-380  4770  4785

4244M • 4244A Socket Sets
Juegos de Vasos



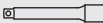
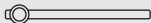
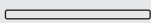
4244M 22 Pieces Set/ Δ = 5,500g

METAL CASE: W445×H190×T50mm

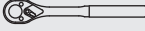
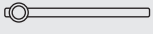
Sockets	Accessories
4405M 12-pt. Sockets 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26, 29, 32	 4753N  4760-125  4760-250  4768N-380  4770  4785  4710

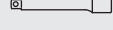
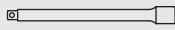
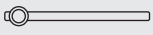
4244A 22 Pieces Set/ Δ = 5,650g

METAL CASE: W445×H190×T50mm

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

1/2" Hand Sockets

4248M 24 Pieces Set/Δ=5,700g	
METAL CASE:W445×H190×T50mm	
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

4250M 18 Pieces Set/Δ=3,700g	
METAL CASE:W445×H190×T50mm	
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

4251M 22 Pieces Set/Δ=3,200g	
METAL CASE:W330×H68×T48mm	
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	

4251A 18 Pieces Set/Δ=2,660g	
METAL CASE:W330×H68×T48mm	
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/Δ=1,200g	
METAL CASE:W168×H60×T42mm	
Sockets	
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	

4252A 13 Pieces Set/Δ=1,300g	
METAL CASE:W168×H60×T42mm	
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/Δ=1,070g	
METAL CASE:W215×H80×T47mm	
Sockets	Accessories
3425- E6, E8	 4763-50
4425- E10, E12, E14	 4433A-35
3325- E6, E8	
4325- E10, E12, E14	

4248M Socket Set
Juego de Vasos



4250M Socket Set
Juego de Vasos



4251M • 4251A Socket Sets
Juegos de Vasos



4252M • 4252A Socket Sets
Juegos de Vasos



4254 Socket Set
Juego de Vasos



Hand Sockets **1/2"**

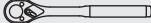
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4261M Socket Set
Juego de Vasos



4261M 18 Pieces Set/⚖️=4,870g

METAL CASE:W445×H190×T50mm

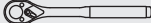
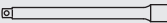
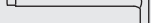
Sockets	Accessories
 4405M 12-pt. Sockets 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 26, 27	 4753N  4760-125  4760-250  4768N-380  4770

4263M Socket Set
Juego de Vasos



4263M 21 Pieces Set/⚖️=6,100g

METAL CASE:W445×H190×T50mm

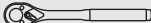
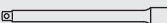
Sockets	Accessories
 4405M 12-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 23, 24, 26, 27	 4753N  4760-125  4760-250  4768N-380  4770  4715S

4273AM Socket Set
Juego de Vasos



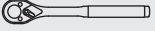
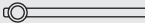
4273AM 30 Pieces Set/⚖️=6,940g

METAL CASE:W446×H266×T50mm

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
 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	 4785

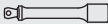
1/2" Hand Sockets

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 RENUEVO

4275 24 Pieces Set/△=5,340g	
METAL CASE:W445×H190×T50mm	
Sockets	Accessories
4400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	 4750N  4760-125  4760-250  4768N-380  4770  4785
4300C Spark Plug Sockets 16, 20.8	
4300M Wheel Nut Sockets 17(L60), 19(L60), 21(L60)	

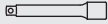
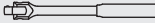
4275 Socket Set
Juego de Vasos



4276 17 Pieces Set/△=2,890g	
METAL CASE:W370×H150×T50mm	
Sockets	Accessories
4010M.50 Bit Sockets 6, 7, 8, 10, 12, 14	 4752N  4763-125
4025.60 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50, T55, T60	

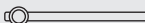
4276 Socket Set
Juego de Vasos



4277 27 Pieces Set/△=5,660g	
METAL CASE:W445×H190×T50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	 4750N  4760-125  4768N-380
4305M 12-pt. Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	

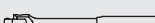
4277 Socket Set
Juego de Vasos



4279AM 36 Pieces Set/△=6,000g	
METAL CASE:W445×H190×T50mm	
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  4785
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	

4279AM Socket Set
Juego de Vasos



4289M 18 Pieces Set/△=4,200g	
METAL CASE:W445×H190×T50mm	
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

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

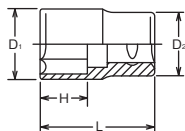
6400M • 6400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

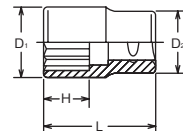


6400M 6405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	22.1	34	11	50	160	5
16	24.6	34	12	50	167	5
17	26	34	12.5	50	175	5
18	27	34	13	50	178	5
19	28.5	34	13.5	50	179	5
20	29.5	34	14	50	185	5
21	31	34	14.5	50	185	5
22	32	34	15	50	187	5
23	33.5	34	16	50	187	5
24	34.5	34	17	50	200	5
25	36	34	17.5	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	42	72	925	2
54	72	55	42	72	1040	2
55	73.5	53	41	72	1006	2
56	74.5	53	41	72	1092	2
57	76	53	41	72	1169	2
58	77	53	41	72	1149	2
60	79.5	58	45	76	1402	2
63	83.5	58	45	76	1494	2
65	86	63	48	80	1608	2
70	92	68	52	84	1785	2
75	98.5	73	56	86	2186	1
78	102.1	73	55	86	2425	1
80	104.5	78	59	90	2475	1
85	111	78	59	90	2620	1

6405M • 6405A



12-point Sockets
Vasos Bihexagonales

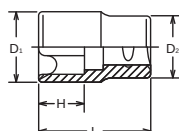


6400A 6405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/8	24.6	34	12	50	168	5
11/16	27	34	13	50	178	5
3/4	28.5	34	13.5	50	179	5
25/32	29.5	34	14	50	185	5
13/16	31	34	14.5	50	185	5
7/8	32	34	15	50	187	5
15/16	34.5	34	17	50	200	5
31/32	36	34	17.5	50	217	5
1	37	34	18	50	222	5
1. 1/16	38.5	37	19	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	42	72	983	2
2. 1/8	72	55	42	72	1040	2
2. 3/16	74.5	53	41	72	1092	2
2. 1/4	76	53	41	72	1169	2
2. 5/16	78.5	53	41	72	1344	2
2. 3/8	79.5	58	45	76	1402	2
2. 7/16	82	58	45	76	1420	2
2. 1/2	84.5	58	44	76	1497	2
2. 9/16	86	63	48	80	1608	2
2. 5/8	88.5	63	48	80	1709	2
2.11/16	89.5	63	48	80	1634	2
2. 3/4	92	68	52	84	1785	2
2.13/16	94.5	68	51	84	2018	2
2. 7/8	96	68	51	84	2062	2
2.15/16	98.5	73	56	86	2186	1
3	101	73	55	86	2309	1
3. 1/8	104.5	78	59	90	2475	1

6425



TORX® Sockets
Vasos TORX®

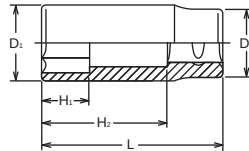


6425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E18	22.1	34	11.9	50	156	5
E20	24.6	34	13.3	50	166	5
E22	27.1	34	14.4	50	178	5
E24	28.6	34	16	50	185	5
E26	31.1	34	17.7	55	217	5
E28	32.1	34	24.1	60	237	5
E30	35	34	24.1	60	242	5
E32	36.1	34	24.1	60	247	5

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



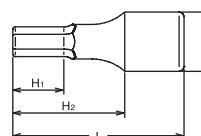
6300A 6305A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3/4	28.5	34	20	64	90	292	5
25/32	29.5	34	21	64	90	334	5
13/16	31	34	22	64	90	343	5
7/8	32	34	23	64	90	347	5
15/16	34.5	34	25	64	90	352	5
1	37	34	27	64	90	384	5
1. 1/16	38.5	37	28	64	90	425	5
1. 1/8	41	38	30	63	90	503	5
1. 3/16	42	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



Hand Sockets **3/4"**

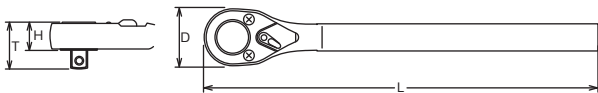
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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.

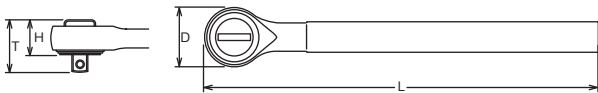


6752
6752-HEAD
PIPE-400

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

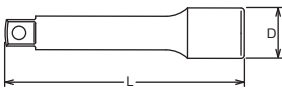
* Renewal Kits → 6755RK → P321

	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

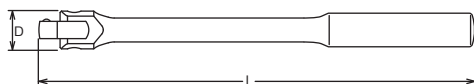
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

6768 Hinge Handle Mango Articulado



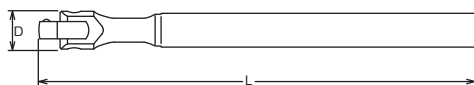
* Renewal Kits → 6768RK → P323

	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

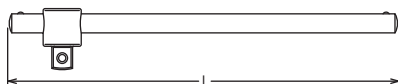
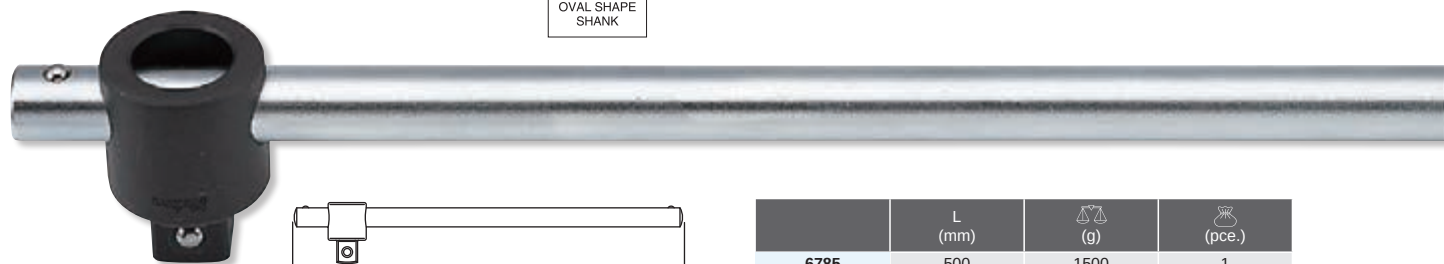
	D (mm)	L (mm)	(g)	(pce.)
6768-600	42	600	2900	1
6768-1000	42	1000	3500	1
6768-HEAD	42	200	1250	1
PIPE-400	—	400	1110	1
PIPE-800	—	800	2230	1

 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

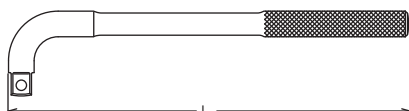
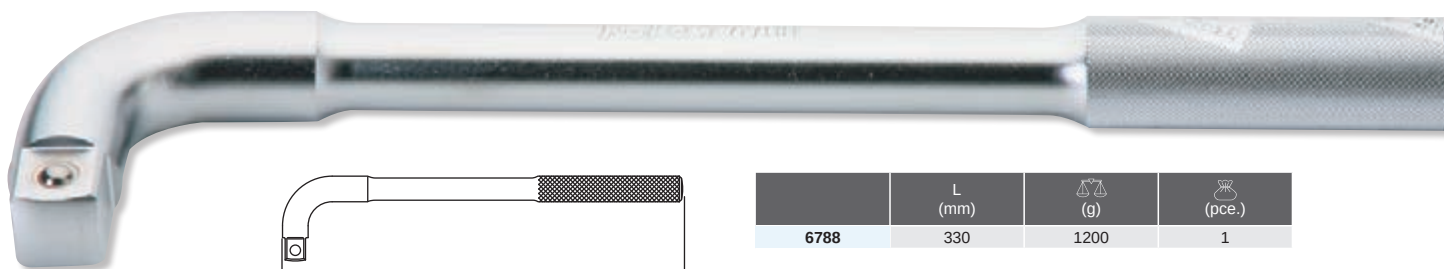


OVAL SHAPE
SHANK



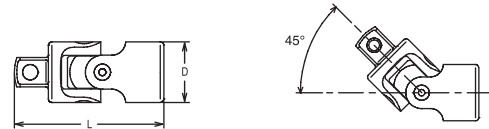
	L (mm)	(g)	(pce.)
6785	500	1500	1

6788 L-Handle Mango Acodado



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

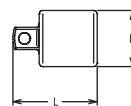
6770 Universal Joint Articulación Universal



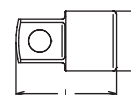
	D (mm)	L (mm)	(g)	(pcs.)
6770	36.0	105	500	2



6644A Adaptor Adaptador



6688A Adaptor Adaptador



	(sq.)	(sq.)	D (mm)	L (mm)	(g)	(pcs.)
6644A	3/4"	1/2"	32.0	47	136	5
6688A	3/4"	1"	35.0	60	285	5

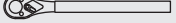
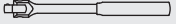
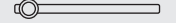
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

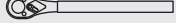
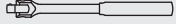
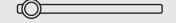
La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

Z-SERIES
HAND
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

6201M • 6201A Socket Sets
Juegos de Vasos

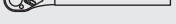
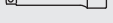
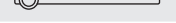


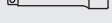
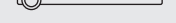
6201M 16 Pieces Set/17,300g	
METAL CASE:W580×H200×T85mm	
Sockets	Accessories
 6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50, 55, 60	 6749  6760-200  6760-400  6768  6785

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



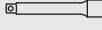
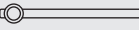
6212M 12 Pieces Set/11,000g	
METAL CASE:W580×H124×T70mm	
Sockets	Accessories
 6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50	 6749  6760-200  6785

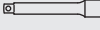
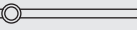
6212A 12 Pieces Set/11,000g	
METAL CASE:W580×H124×T70mm	
Sockets	Accessories
 6405A 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.3/16, 1.1/4, 1.7/16, 1.5/8, 1.13/16, 2	 6749  6760-200  6785

Sockets in sets can be supplied in 6-pt. or 12-pt. format.

6260M • 6260A Socket Sets
Juegos de Vasos

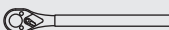
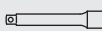


6260M 20 Pieces Set/ΔΔ=15,800g	
METAL CASE:W580×H200×T85mm	
Sockets	Accessories
 6405M 12-pt. Sockets 21, 23, 26, 29, 31, 32, 34, 35, 36, 38, 41, 46, 50	 6749
 6101 Drag Link Socket	 6760-75
	 6760-200
	 6760-400
	 6770
	 6785

6260A 25 Pieces Set/ΔΔ=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
 6101 Drag Link Socket	 6760-75
	 6760-200
	 6760-400
	 6770
	 6785

6268M Socket Sets
Juegos de Vasos



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

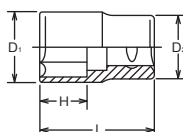
8400M • 8400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

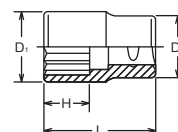


8400M 8405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)
24	36.5	44	17	60	348	1
27	40.5	44	19	60	362	1
28	41.5	44	19.5	60	368	1
29	43	44	20	60	378	1
30	44	45	21	65	410	1
32	46.5	45	23	65	455	1
33	48	46	23.5	65	485	1
34	49	46	24	65	500	1
35	50.5	48	24.5	65	536	1
36	51.5	48	25	65	600	1
38	54	50	26	65	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



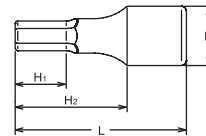
12-point Sockets
Vasos Bihexagonales



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

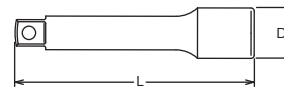
8012M-80 Inhex Sockets Vasos con Punta de Hexagonal



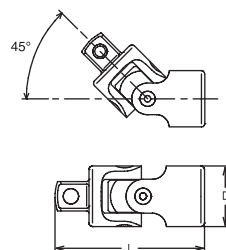
8760 Extension Bars Alargaderas



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



	D (mm)	L (mm)	(g)	(pce.)
8770	48.0	143	1170	1



8770 Universal Joint Articulación Universal

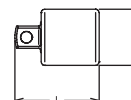


	(mm)	(mm)	D (mm)	L (mm)	(g)	(pcs.)
8866A	1"	3/4"	44.0	60	338	5

 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



8749 Reversible Ratchet
Llave de Carraca Reversible

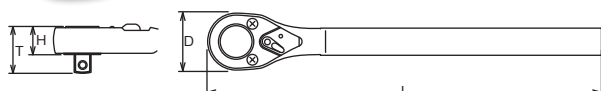
8749-1000 ⚠

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

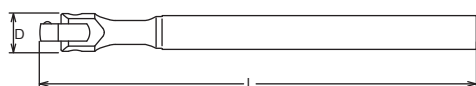
⚠ 8749-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

8768 Hinge Handle
Mango Articulado

8768-1000 ⚠

8768-HEAD

PIPE-400 • -800



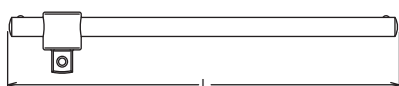
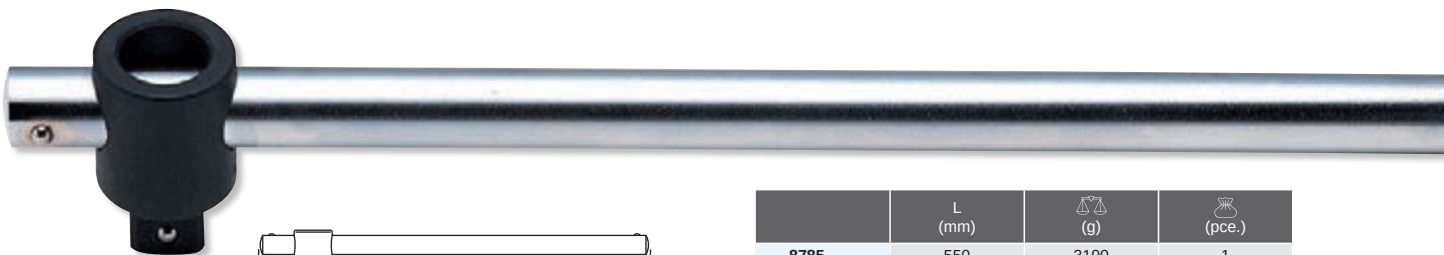
* Renewal Kits → **8768RK** → **P323**

	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.

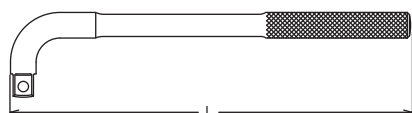
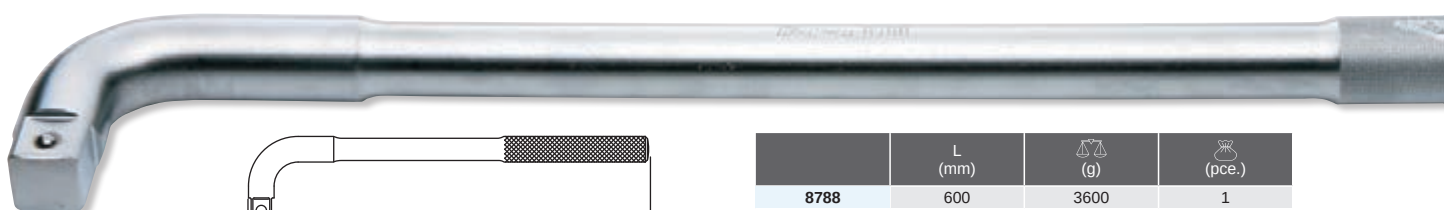
8785 T-Handle
Mango Corredizo

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

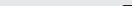
1" Hand Sockets

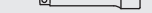


Z-SERIES	HAND MANUALES	TITANIUM DE TITANIO	ACCESSORIES ACCESORIOS	SCREWDRIVERS DESTORNILLADORES	IMPACT DE IMPACTO	SLEEVE-DRIVE	INDUSTRIAL INDUSTRIALES	PROTECTOR PROTECTORES	AUTOMOTIVE	CONSTRUCTION CONSTRUCCION	RENEWAL KITS JUEGOS DE PIEZAS REPUESTO
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8200M • 8200A Socket Sets
Juegos de Vasos

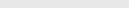
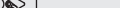
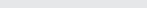


8200M		12 Pieces Set/12=18,600g	
METAL CASE:W600×H150×T110mm			
Sockets		Accessories	
	8405M 12-pt. Sockets		
	35, 38, 41, 46,	 	8760-200
	50, 54, 58, 63	 	8760-400
		 	8770
		 	8785

8200A		12 Pieces Set/12=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

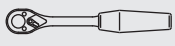
Sockets in sets can be supplied in 6-pt. or 12-pt. format.

Titanium Sockets



TI4261M Socket Set Titanium
Juego de Vasos de Titanio



TI4261M 18 Pieces Set/△=4,280g	
WOODEN CASE:W445×H190×T60mm	
Sockets	Accessories
 TI4400M 6-pt. Sockets 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 26, 27	 TI4749J
	 TI4760-125
	 TI4760-250
	 TI4768J-380
	 TI4770

Characteristic of Titanium

- Light weight : Makes it effective for operating tools. The specific gravity is only about 58% of chrome molybdenum steel which is used for our normal products.
- Non-Corrosion : Corrosion Resistance is greatly improved against salt water and any kind of chemical products.
- Non-Magnetic : Non-Magnetic material will prevent the tools from magnetizing.

Características del Titanio

- Peso ligero : Aumenta la eficiencia de las herramientas de trabajo. El peso específico es aproximadamente sólo el 58% del acero al cromo-molibdeno de nuestros productos normales.
- No se oxida : Se aumenta significativamente la resistencia a la corrosión por ambiente salino o por cualquier clase de productos químicos.
- No es magnético : Material paramagnético que evita la magnetización de las herramientas.

Pentagonal drive is designed to avoid using with normal square drive items, so that it will provide extra safety and much more strength.

El diseño de conductor pentagonal evita su utilización con conductores normales cuadrados, proporcionando más seguridad y mucha mayor resistencia.



Accessories

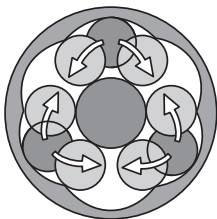
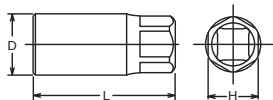


4100M • 4100A

Stud Pullers
Extractores de Tornillos



STUD BOLT
PULLER



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.

4211M • 4211A

Stud Pullers Sets
Juegos de Extractores de Espárragos



4214M

Stud Pullers Set
Juegos de Extractores de Espárragos



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 4 Pieces Set/△=1,040g

METAL CASE:W215×H80×T47mm

PULLER

4100M Stud Pullers
6, 8, 10, 12

4211A 4 Pieces Set/△=1,040g

METAL CASE:W215×H80×T47mm

PULLER

4100A Stud Pullers
1/4, 5/16, 3/8, 1/2

4214M 5 Pieces Set/△=1,450g

METAL CASE:W215×H80×T47mm

PULLER

4100M Stud Pullers
6, 8, 10, 12, 14

6100M (mm)		D (mm)	L (mm)	H (mm)	(g)	(pce.)
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"
Apertar la parte hexagonal exterior con vasos o llaves de tuerca
(medidas 22-24mm = 36H, 27-30mm = 46H)

Tolerance/Tolerancia

	6100M (mm)
18	16.9-18
20	18.8-20
22	20.8-22
24	22.7-24
27	25.7-27
28	26.7-28
29	27.6-29
30	28.6-30

14100M (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
6	1/2"	24	25	48	126	10	*1
7		24	25	48	126	10	*1
8		24	25	48	122	10	*1
9		28	30	48	181	10	*2
10		28	30	48	181	5	*2
12		28	30	48	175	5	*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	5	*2

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

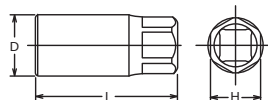
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ **P270-271**

Tolerance/Tolerancia

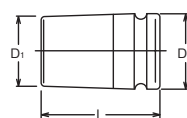
	14100M (mm)		14100A (inch)
6	5.6- 6	1/4	6 - 6.4
7	6.6- 7	5/16	7.6- 8
8	7.6- 8	3/8	9 - 9.6
9	8.4- 9	7/16	10.5-11.1
10	9.4-10	1/2	12.1-12.7
12	11.4-12		

6100M Stud Pullers Extractores de Espárragos



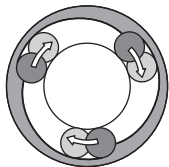
14100M • 14100A

 Impact Stud Pullers
Extractores de Espárragos de Impacto



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

141S Stud Puller Ratchets
Extractores de Espárragos de Carraca



The three roller system can protect the studs from damage.
El sistema de tres rodillos puede proteger los espárragos de cualquier daño.

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

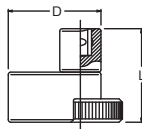


1201 Stud Puller Ratchets Set
Juego de Extractores de Espárragos de Carraca



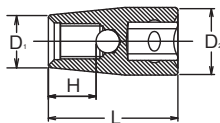
1201	4 Pieces Set/△=973g
METAL CASE:W240×H100×T32mm	
PULLER	
141S Stud Puller Ratchet 6, 8, 10, 12	

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 • 4103A Stud Bolt Setters
Vasos para apretar pernos



4103M (mm)	1/2"	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
6(1.0)		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	22.9	13	44	86	10
10(1.5)		15.3	22.9	13	44	86	10
12(1.25)		17.8	22.9	14	44	86	10
12(1.75)		17.8	22.9	14	44	86	10

4103A (inch)	1/2"	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4(28)		10.7	22	9	37	55	10
5/16(18)		13.2	22	11	37	61	10
5/16(24)		13.2	22	11	37	61	10
3/8(16)		14.6	22.9	12	44	84	10
7/16(14)		16.5	22.9	14	44	85	10
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:W130×H65×T26mm

Stud Bolt Setter

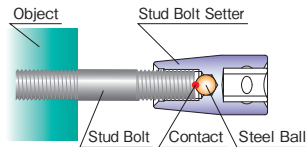
4103M Stud Bolt Setters
6(1.0), 8(1.25), 10(1.5), 12(1.75)

4203MF 4 Pieces Set/△=530g

METAL CASE:W130×H65×T26mm

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)		9.5	19	8	32	39	10	*1
6(1.0)		10.8	19	9	32	41	10	*1
7(1.0)	3/8"	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 → P270-271

⚠ 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)		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)	1/2"	17	25	18	49	106	10	*1
10(1.5)		17	25	18	49	106	10	*1
12(1.25)		19.5	25	19	49	107	10	*1
12(1.75)		19.5	25	19	49	107	10	*1
14(1.5)		22	25	21	55	128	10	*1
14(2.0)		22	25	21	55	128	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

⚠ 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.

23103M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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 → P270-271

⚠ 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.

24103M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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 → P270-271

⚠ 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.

4203M 4203MF



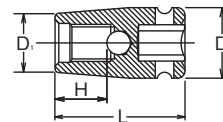
Stud Bolt Setters Set
Juego de Vasos para apretar Pernos



13103M



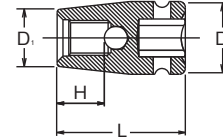
Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto ⚠



14103M



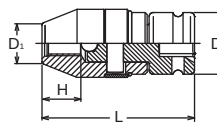
Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto ⚠



23103M



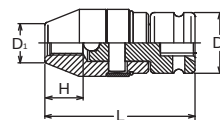
Stud Bolt Setters
Vasos para apretar pernos ⚠



24103M



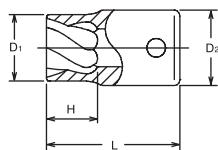
Stud Bolt Setters
Vasos para apretar pernos ⚠



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)

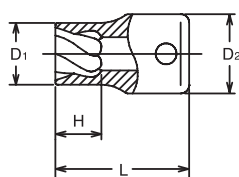
4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5, 10

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

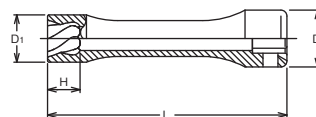
420

3128.80 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8		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)

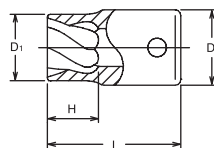


4127 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19.7	30	14	42	125	5
17		23.5	30	16	42	137	5
19		26	30	16	42	146	5
21		28	30	17	42	153	5
22		29.5	30	17	42	158	5
24		32	30	18	42	174	5
25.4		33.5	30	18	42	183	5

4127



NUTTWISTER®
AFLOJA TUERCAS



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

RS4127/6



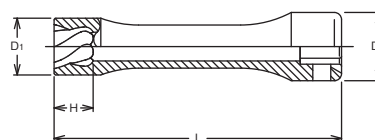
Socket Set on Rail
Juego de Vasos en Regleta



4128-120



NUTTWISTER® (Long type)
AFLOJA TUERCAS (Serie Larga)



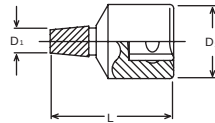
4128.120 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
17		23.5	30	16	120	227	10
19		26	30	16	120	247	10
21		28	30	17	120	262	10
22		29.5	30	17	120	259	10

 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.



3129-32 BOLTTWISTER®
AFLOJA PERNOS



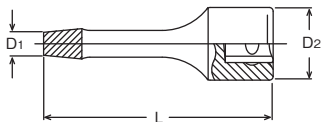
3129.32 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	32	32	10
3		3	19	32	33	10
4		4	19	32	33	10
6		6	19	32	35	10
8		8	19	32	37	10
10		10	19	32	40	10

RS3129/6-L32 Socket Set on Rail
Juego de Vasos en Regleta



RS3129/6-L32	6 Pieces Set/Rail 150mm	(g)
2, 3, 4, 6, 8, 10		250

3129-60 BOLTTWISTER®
AFLOJA PERNOS

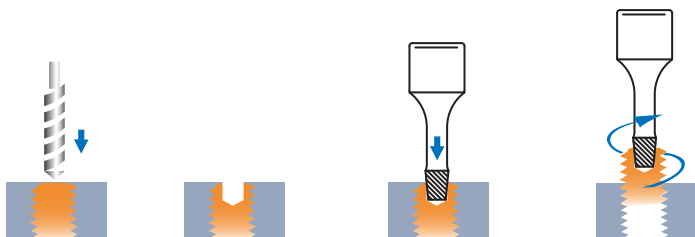


3129.60 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	60	38	10
3		3	19	60	42	10
4		4	19	60	44	10
6		6	19	60	47	10
8		8	19	60	53	10
10		10	19	60	64	10

RS3129/6-L60 Socket Set on Rail
Juego de Vasos en Regleta



RS3129/6-L60	6 Pieces Set/Rail 150mm	(g)
2, 3, 4, 6, 8, 10		320



Effective method and easy solution for removing twisted off bolt. Drill a hole in the center of bolt and drive BOLTTWISTER® firmly into the hole. The sharp spiral edges will hold the broken bolt and easily remove it.

Un método efectivo y una fácil solución para aflojar pernos rotos. Taladrar un agujero en el centro del perno e introducir el AFLOJA PERNOS BOLTTWISTER® presionando y girando. Las afiladas aristas espirales agarran el perno roto sacándolo.

BOLTTWISTER	Bolt size	Drill size
2	M5	φ 2.4- 2.6
3	M6	φ 3.2- 3.5
4	M8	φ 4.2- 4.5
6	M10-M12	φ 6.2- 6.5
8	M14-M16	φ 8.2- 8.5
10	M18-M20	φ 10.2-10.5
12	M22-M24	φ 12.2-12.5
14	M27-M30	φ 14.2-14.5
16	M33	φ 16.2-16.5

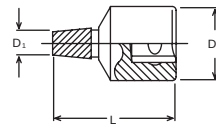
4129.37 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
8		8	24	37	59	10
10		10	24	37	63	10
12		12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10

RS4129/5-L37	5 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14, 16		370

4129.75 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
8		8	24	75	80	10
10		10	24	75	94	10
12		12	24	75	110	10
14		14	24	75	130	10
16		16	24	75	150	10

RS4129/5-L75	5 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14, 16		600

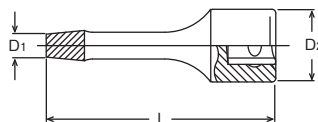
4129-37 BOLTTWISTER® AFLOJA PERNOS



RS4129/5-L37 Socket Set on Rail Juego de Vasos en Regleta



4129-75 BOLTTWISTER® AFLOJA PERNOS



RS4129/5-L75 Socket Set on Rail Juego de Vasos en Regleta



T-Type Wrench

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

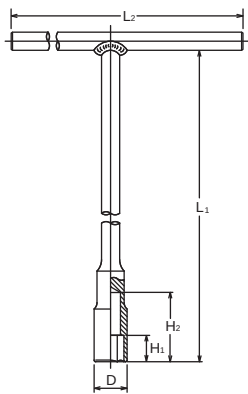
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

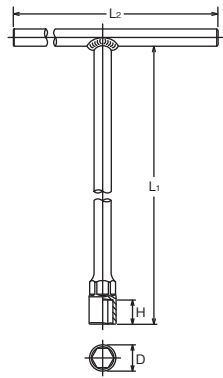
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

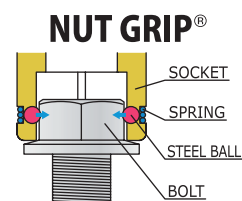
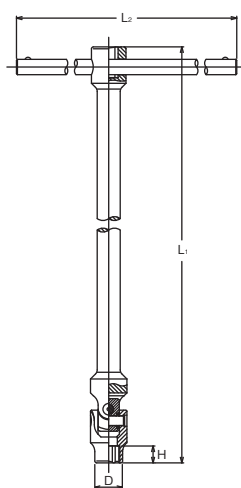
104A (inch)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
1/4	9.5	8	200	180	150	1
5/16	12	10	250	200	183	1
3/8	14	12	250	200	188	1
7/16	16	14	250	200	234	1
1/2	18.5	17	300	250	412	1
9/16	20	18	300	250	428	1
5/8	22.5	21	350	300	528	1
3/4	26.5	25	350	300	717	1

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.

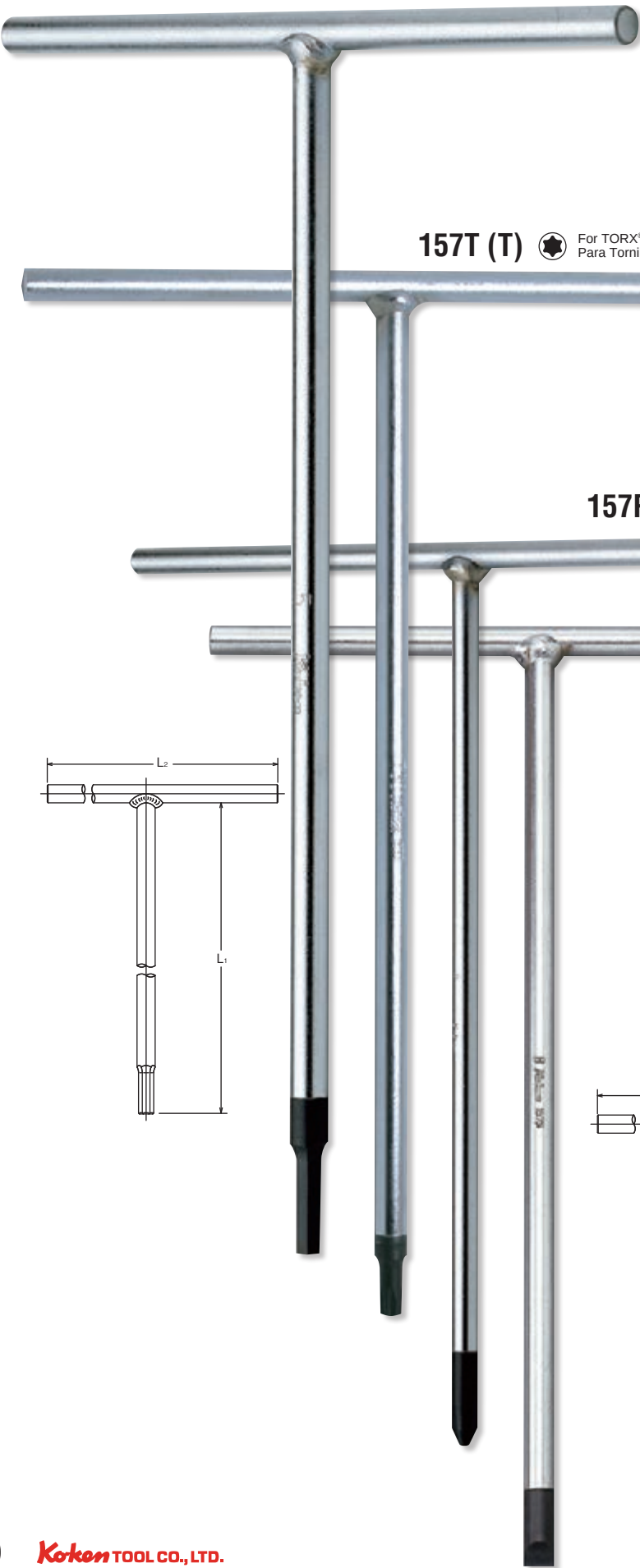
Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.

T-Type Wrench

157H



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

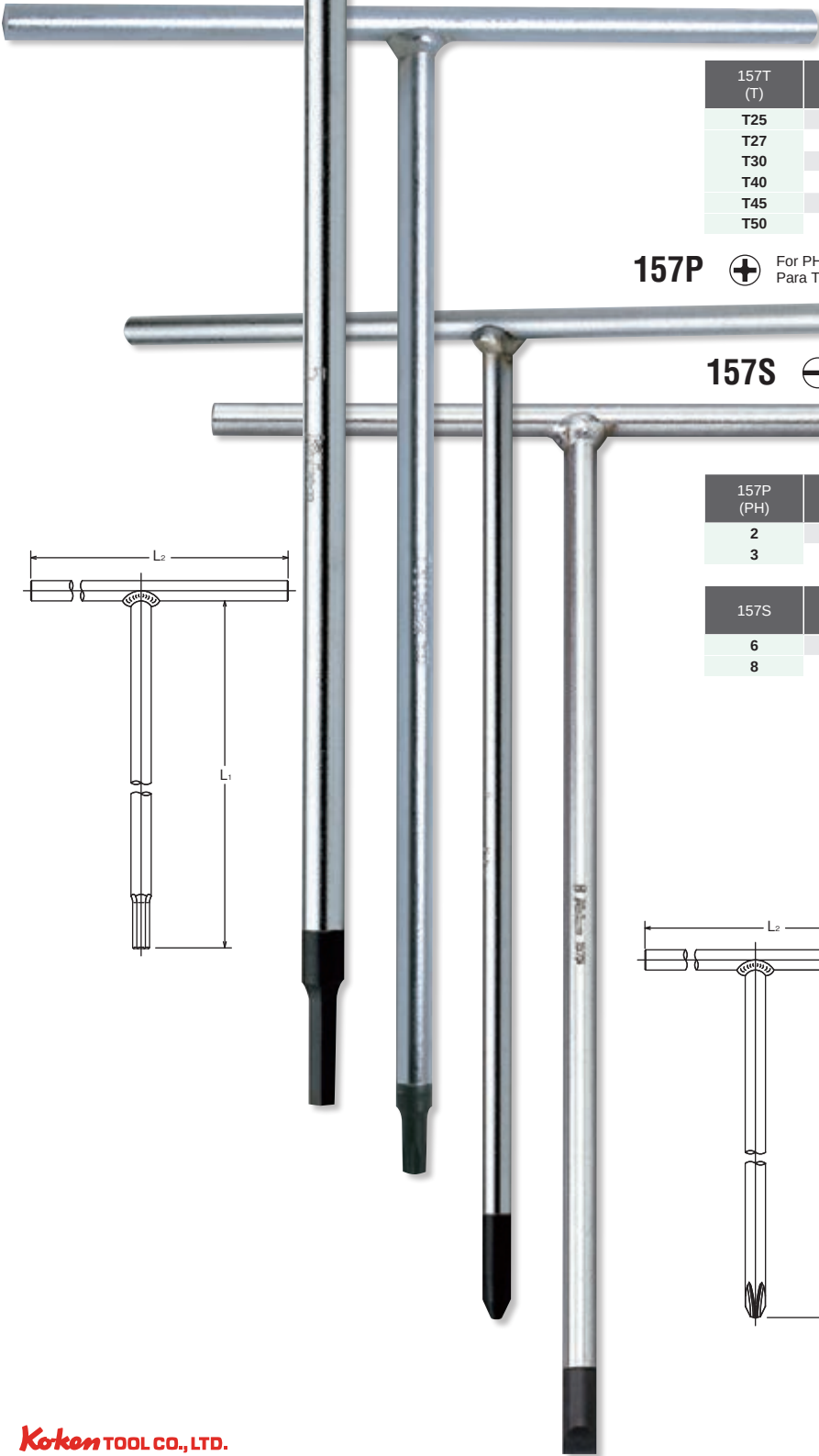


157H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
3	160	100	57	1
4	200	120	70	1
5	250	160	90	1
6	300	190	147	1
7	300	190	193	1
8	300	190	245	1
10	300	190	433	1
12	320	210	662	1
14	340	220	879	1
17	340	220	1369	1

157T (T)



For TORX® Screws
Para Tornillos TORX®

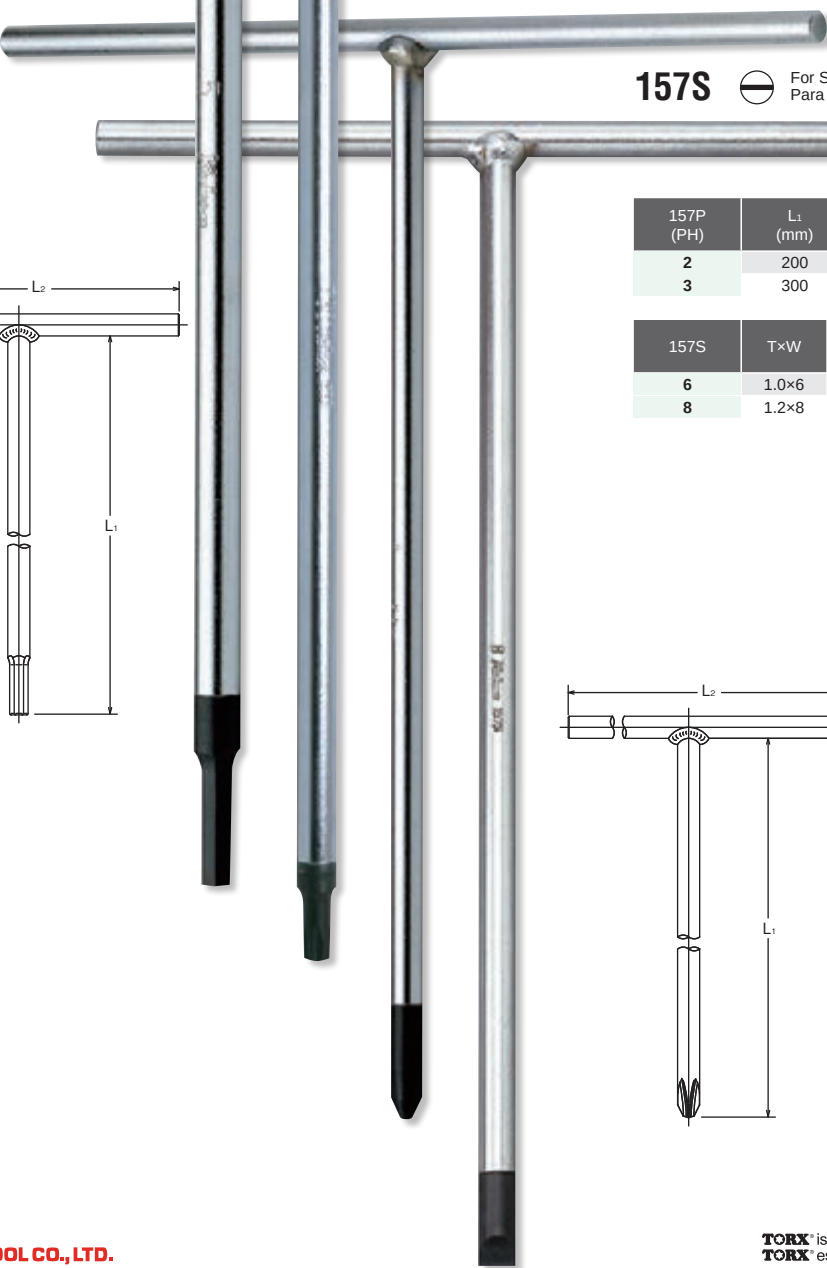


157T (T)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
T25	250	180	95	1
T27	250	180	96	1
T30	250	180	167	1
T40	250	180	168	1
T45	250	180	213	1
T50	250	180	215	1

157P



For PH Screws
Para Tornillos PH



157S

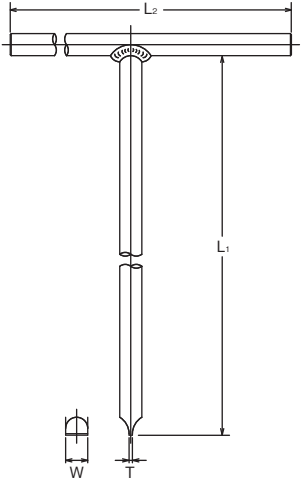
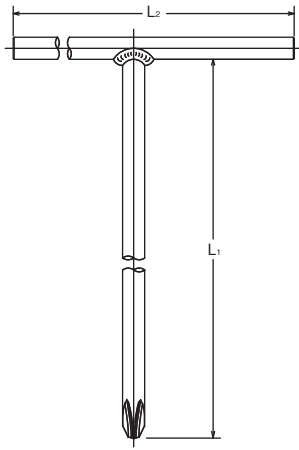
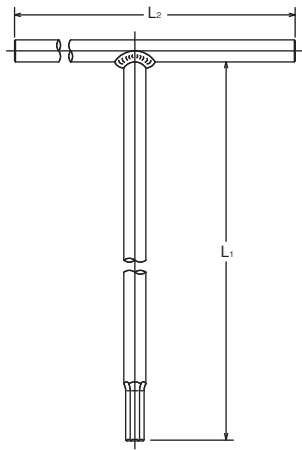


For Slotted Heads
Para Cabezas Ranuradas



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

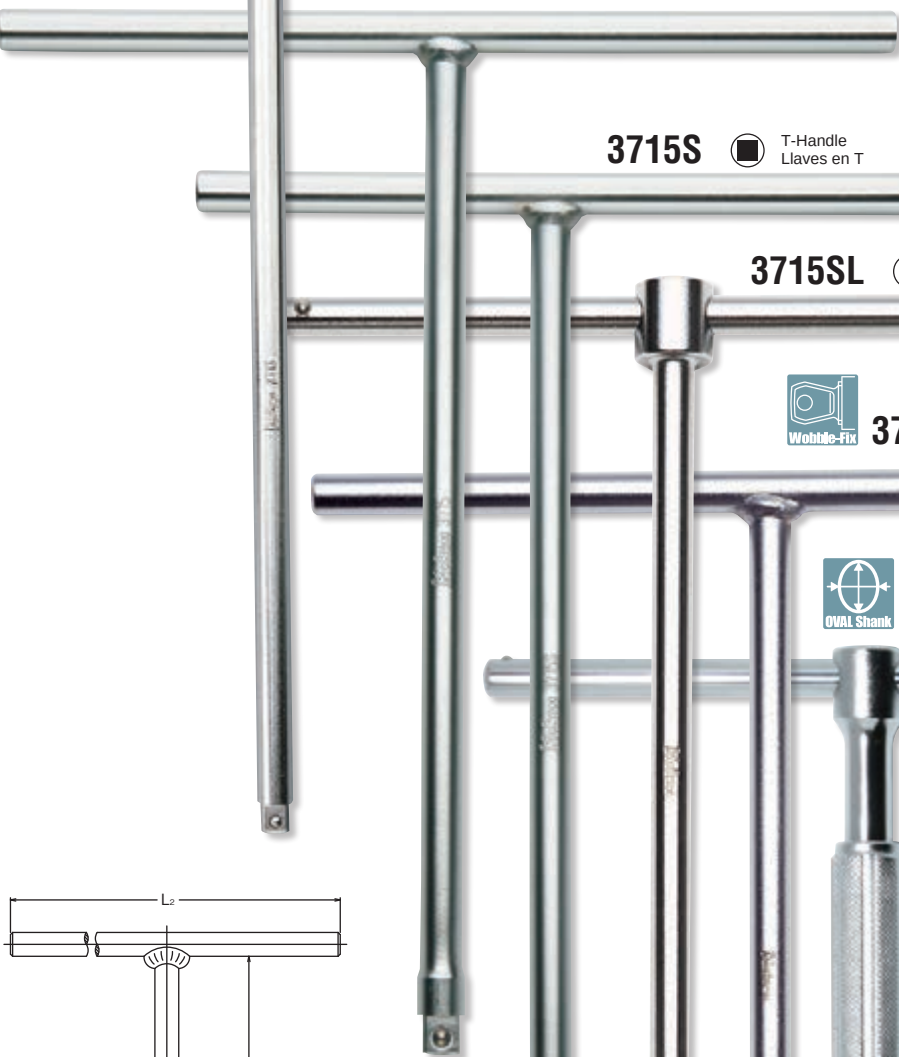
157S	T×W	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
6	1.0×6	200	180	84	1
8	1.2×8	250	180	170	1



2715 T-Handle
Llaves en T



3715 T-Handle
Llaves en T



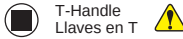
3715S T-Handle
Llaves en T



3715SL T-Handle
Llaves en T



3716 T-Handle
Llaves en T



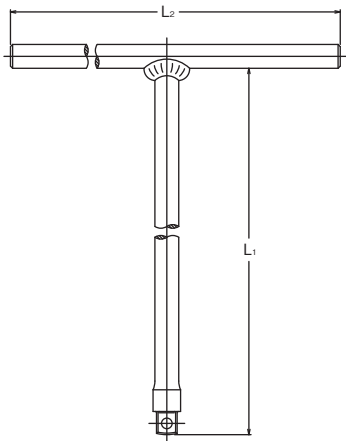
WOBBLE-FIX
EXTENSION BAR



3715SLK T-Handle
Llaves en T



OVAL SHAPE
SHANK



		L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
2715	1/4"	200	120	130	1

		L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
3715	3/8"	268	240	386	1
3715S		268	190	347	1
3715SL		237	200	325	1
3715SLK		236	200	470	1
3716		268	240	379	1

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



Photo: 3715SLK



T-Type Wrench

Z-SERIES

HAND MANUALES

TITANIUM DE TITANIO

ACCESSORIES ACCESORIOS

SCREWDRIVERS DESTORNILLADORES

IMPACT DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL INDUSTRIALES

PROTECTOR PROTECTORES

AUTOMOTIVE

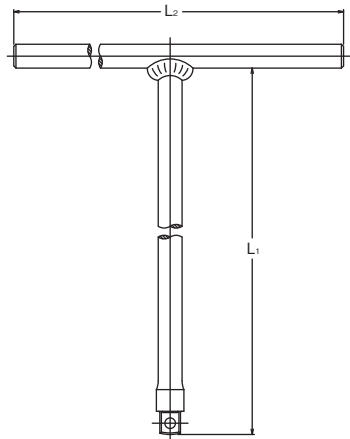
CONSTRUCTION CONSTRUCCIÓN

RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

4715  T-Handle
Llaves en T

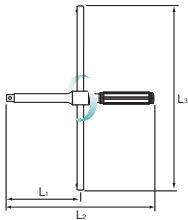
4715S  T-Handle
Llaves en T

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

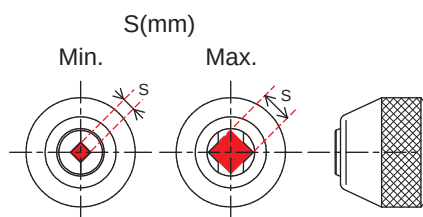
3131E		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
□2.1× ϕ 2.8		6.8	18	40	45	10
□2.7× ϕ 3.5		8	18	40	46	10
□3.4× ϕ 4.5		9.5	18	40	47	10
□4.9× ϕ 6		11.5	18	40	48	10
□5.5× ϕ 7		12.5	18	40	49	10
□7× ϕ 9		15	18	40	48	10
□9× ϕ 11		17	18	40	48	10
□9× ϕ 12		18	18	40	48	10

For DIN352, DIN351, DIN2181, DIN5157 tap

3264	10 Pieces Set/△=1.050g
METAL CASE:W240×H100×T32mm	
Sockets	Accessories
3131E □2.1× ϕ 2.8, □2.7× ϕ 3.5, □3.4× ϕ 4.5, □4.9× ϕ 6, □5.5× ϕ 7, □7× ϕ 9, □9× ϕ 11, □9× ϕ 12,	 160K 3760-125

3131A		S(mm)		L (mm)	(g)	(pcs.)
		Min.	Max.			
1		2.0	5.0	42	80	5
2		4.5	8.0	47	100	5

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



Tap is not included.

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

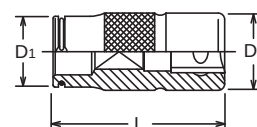
		D (mm)	H ₁ (mm)	H ₂ (mm)	d (mm)	A (mm)	L (mm)	(g)	(pcs.)
3132-20		28	7	17	8	45	60	130	5
4132-25		34	9	22	14	40	60	170	2
4132-38		48	13	24	18	60	80	315	2
4132-50		60	16	27	30	85	105	740	2



Die is not included.



3131E Tap Holder Adaptadores para machos de terrajas

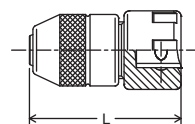


3264 Tap Holder, Set Juego de adaptadores para machos de terrajas

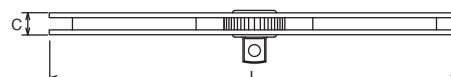


3131A Tap Holder, Adjustable Adaptadores para machos de terrajas

4131A

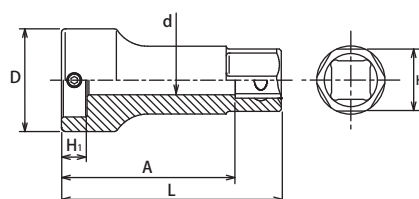


160K Handle Llave



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

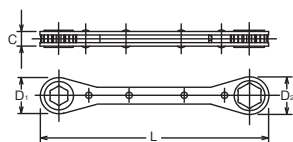
AUTOMOTIVE

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.)
6×7	108	15.3	16.4	7.5	60	10
7×8	108	15.3	16.4	7.5	60	10
8×9	134	17.1	19.7	7.5	80	10
8×10	134	17.1	19.7	7.5	80	10
10×11	140	20.1	22.7	7.5	87	10
10×12	140	20.1	22.7	7.5	87	10
11×13	145	23.6	24.6	9	112	10
12×13	145	23.6	24.6	9	112	10
12×14	145	23.6	24.6	9	112	10

102NA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.5	60	10
1/4 × 9/32	108	15.3	16.4	7.5	60	10
1/4 × 5/16	108	15.3	16.4	7.5	60	10
5/16×11/32	134	17.1	19.7	7.5	80	10
5/16× 3/8	134	17.1	19.7	7.5	80	10
3/8 × 7/16	140	20.1	22.7	7.5	87	10
7/16× 1/2	145	23.6	24.6	9	112	5
1/2 × 9/16	145	23.6	24.6	9	112	5

102KM • 102KA

Reversible
Reversible

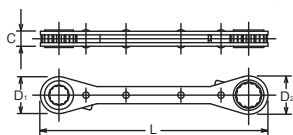


102KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
6×7	108	15.3	16.4	7.2	51	10
7×8	108	15.3	16.4	7.2	51	10
8×9	134	17	20	9.1	76	10
8×10	134	17	20	9.1	76	10
10×11	141	21	23.5	9.1	84	10
10×12	141	21	23.5	9.1	84	10
12×13	146	24	25	9.1	89	5
12×14	146	24	25	9.1	89	5
13×17	200	27.1	31.8	11.5	190	5
14×17	200	27.1	31.8	11.5	200	5

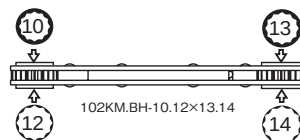
102KA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.2	51	10
1/4 × 5/16	108	15.3	16.4	7.2	51	10
5/16×11/32	134	17	20	9	76	10
3/8 × 7/16	141	21	23.5	9.1	84	10
1/2 × 9/16	146	24	25	9.1	89	5

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× 6× 7× 8	108	15.3	16.4	10	60	10
8 ×10×12×13	141	21	23.5	13	87	10
9 ×10×11×12	141	21	23.5	13	87	10
10 ×12×13×14	146	24	25	13	98	5
13 ×14×15×17	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 4×E 6	108	15.3	16.4	7.5	51	10
E 6×E 8	108	15.3	16.4	7.5	51	10
E10×E12	134	17	20	9	76	10

103KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
6 × 7	108	15.3	16.4	7.5	51	5
7 × 8	108	15.3	16.4	7.5	51	5
8 × 9	134	17	20	9	76	5
8 × 10	134	17	20	9	76	5
10 × 11	140	21	23.5	9	84	5
10 × 12	140	21	23.5	9	84	5
12 × 13	145	24	25	9	89	5
12 × 14	145	24	25	9	89	5

103KA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
7/32 × 1/4	108	15.3	16.4	7.5	51	5
1/4 × 5/16	108	15.3	16.4	7.5	51	5
5/16 × 11/32	134	17	20	9	76	5
5/16 × 3/8	134	17	20	9	76	5
3/8 × 7/16	140	21	23.5	9	84	5
7/16 × 1/2	145	24	25	9	89	5
1/2 × 9/16	145	24	25	9	89	5

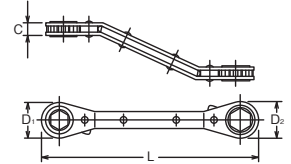
103KA.BH (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
1/4 × 5/16	108	15.3	16.4	7.5	51	5
3/8 × 7/16	140	21	23.5	9	84	5
1/2 × 9/16	145	24	25	9	89	5

103KT (E)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
E 4 × E 6	104	15.3	16.4	7.5	51	5
E 6 × E 8	104	15.3	16.4	7.5	51	5
E10 × E12	128	17	20	9	76	5
E14 × E16	139	24	25	9	89	5

R810 (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
1/4 × 5/16	108	15.3	16.4	7.5	60	10
3/8 × 7/16	140	20.1	22.7	7.5	87	10
1/2 × 9/16	145	23.6	24.6	9	112	10

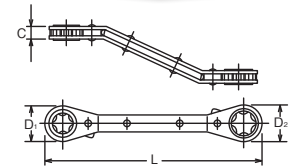
103KM · 103KA 103KA.BH

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



103KT

- Reversible TORX®
- Reversible TORX®



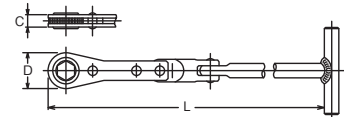
R810

- 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

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

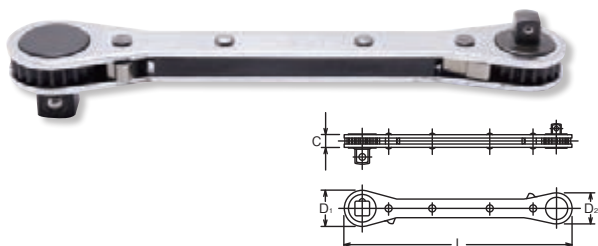
PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

166

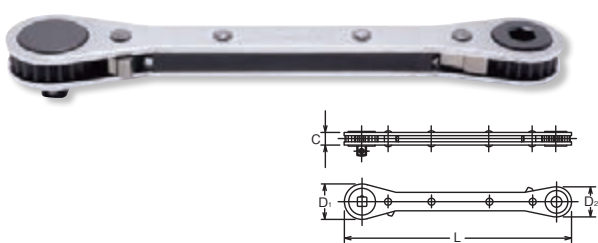
137 For 1/4" and 3/8" Square Drive Sockets Para Vasos con Conductor Cuadrado de 1/4" y 3/8"



	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
137	141	23.5	21	9	104	5

1/4" × 3/8"

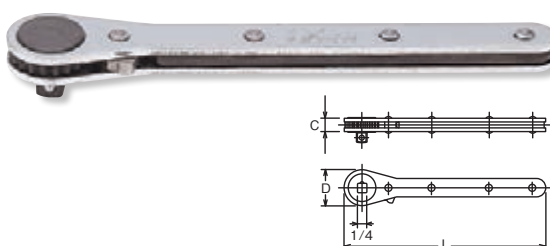
138 For Bits 101 Para Puntas 101



	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
138	141	23.5	21	9	97	5

1/4" × 1/4"

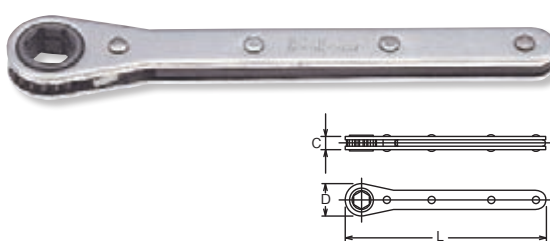
139 For 1/4" Square Drive Sockets Para Vasos con Conductor Cuadrado de 1/4"



	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/7=250g

METAL CASE: W130×H65×T20mm

Sockets	Accessory
150.10H 5, 6, 7, 8, 9, 10	145KM-10H

R810A 5 Pieces Set/ 5=208g

METAL CASE:W130×H65×T20mm

Bits	Accessory
101P PH Bits 1, 2, 3 101S Slotted Bit 1×7	 102NA-1/4×5/16

R810A Bit Set
Juego de Puntas

R810B 10 Pieces Set/ 10=268g

METAL CASE:W130×H65×T20mm

Bits	Accessory
101P PH Bits 1, 2, 3 101S Slotted Bit 1×7 128H Hex Bits 3, 4, 5, 6, 8	 102NA-1/4×5/16

R810B Bit Set
Juego de Puntas

R810C 12 Pieces Set/ 12=227g

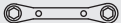
METAL CASE:W130×H65×T20mm

Bits, Sockets	Accessories
101P PH Bits 1, 2, 3 101S Slotted Bit 1×7 2400M Sockets 5, 6, 7, 8, 9, 10	 102NA-1/4×5/16  101A

R810C Bit and Socket Set
Juego de Puntas y Vasos

R810D 17 Pieces Set/ 17=336g

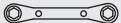
METAL CASE:W130×H65×T20mm

Bits, Sockets	Accessories
101P PH Bits 1, 2, 3 101S Slotted Bit 1×7 128H Hex Bits 3, 4, 5, 6, 8 2400M Sockets 5, 6, 7, 8, 9, 10	 102NA-1/4×5/16  101A

R810D Bit and Socket Set
Juego de Puntas y Vasos

R810E 9 Pieces Set/ 9=445g

METAL CASE:W130×H65×T20mm

Sockets	Accessories
2300M Deep Sockets 6, 7, 8, 9, 10, 11, 12	 102NA-1/4×5/16  101A

R810E Socket Set
Juego de Vasos


Ratcheting Ring Wrench

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

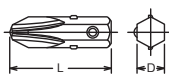
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

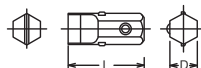
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

101P PH Bits Puntas PH



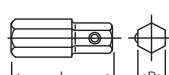
101P (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10

101S Bits for Slotted Head Puntas Rectas/Planas



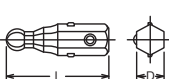
101S	D (mm)	L (mm)	(g)	(pcs.)
1.0×7	6.35	15	3	10
1.2×7	6.35	15	3	10

101H Hex Bits Puntas Hexagonales



101H (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	20.5	5	10
4	6.35	20.5	5	10
5	6.35	20.5	5	10
6	6.35	20.5	5	10
7	6.35	20.5	6	10
8	6.35	20.5	7	10

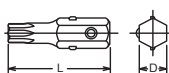
101B Ball point Hex Bits Puntas Hexagonales con bola



101B (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	4	10
5	6.35	25	5	10
6	6.35	25	5	10

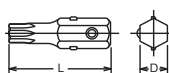
Ball point bits have less strength due to the special design.
Make sure to use them correctly.

101T (T) TORX® Bits Puntas TORX®



101T (T)	D (mm)	L (mm)	(g)	(pcs.)
T 9	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	5	10
T20	6.35	25	5	10
T25	6.35	25	5	10
T27	6.35	25	6	10
T30	6.35	25	6	10

101T (TH) Tamper-Resistant TORX® Bits Punta TORX®, indeformable



101T (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	5	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10

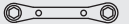
Tamper Resistant TORX® Bits have less strength due to special design.
Make sure to use it correctly.

128H (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
8	8	32	13	10

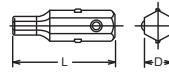
128T (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10

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

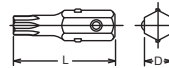
1202 15 Pieces Set/ 420g	
METAL CASE: W190×H60×T30mm	
Bits	Accessory
 101P PH Bits 1, 2, 3	 138
 101S Slotted Bit 1×7	
 101B Ballpoint Hex Bits 3, 4, 5, 6	
 101T Torx® Bits T10, T15, T20, T25, T27, T30	

2254M 12 Pieces Set/ 450g	
METAL CASE: W160×H100×T28mm	
Bits	Accessories
 101P PH Bits 1, 2, 3	 102NA-1/4×5/16
 101S Slotted Bits 1×7, 1.2×7	 2769F
 101H Hex Bits 3, 4, 5	 101A
	 2137

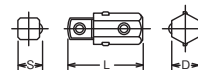
128H Hex Bits Puntas Hexagonales



128T TORX® Bits Puntas TORX®



101A Adaptor Adaptador



1202 Bit Set Juego de Puntas



2254M Bit Set Juego de Puntas



Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
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	3/8"	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	1/2"	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

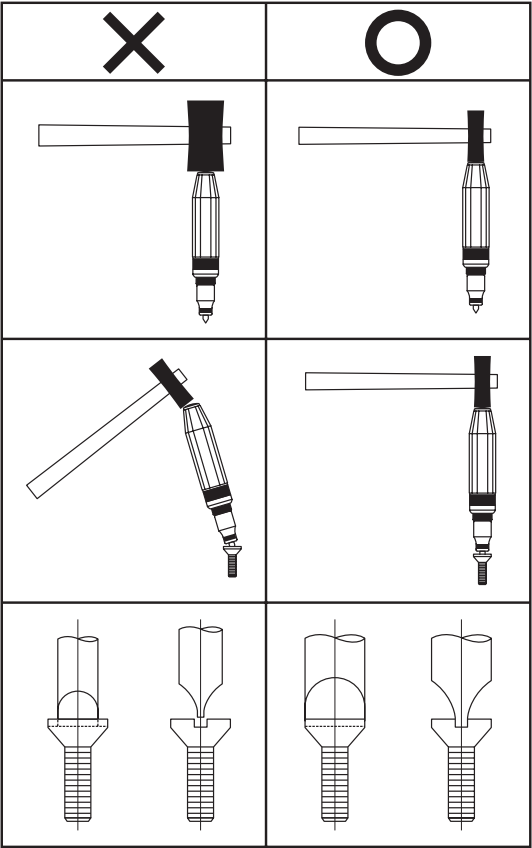
4112G Attack Driver
Destornillador de Impacto



6112 Attack Driver
Destornillador de Impacto



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



AN318A 6 Pieces Set/△=1,070g

METAL CASE:W190×H59×T45mm

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

AN112A 6 Pieces Set/△=1,070g

METAL CASE:W190×H59×T45mm

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:W220×H82×T60mm

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

AG112A 6 Pieces Set/△=1,150g

METAL CASE:W220×H82×T60mm

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:W220×H82×T60mm

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:W220×H82×T60mm

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:W220×H82×T60mm

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

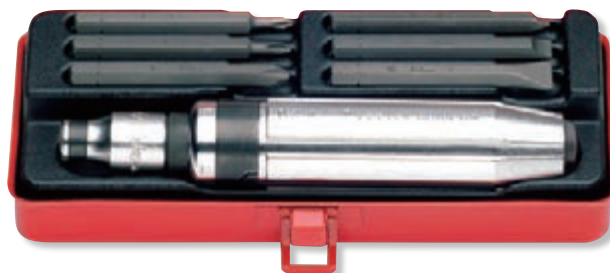
AN318A AN112A

Attack Driver Set
Juego de Destornilladores de Impacto


AG318A AG112A

Attack Driver Set
Juego de Destornilladores de Impacto

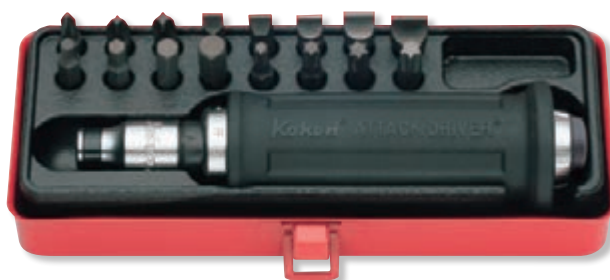

AN112C

Attack Driver Set
Juego de Destornilladores de Impacto


AG112F

Attack Driver Set
Juego de Destornilladores de Impacto

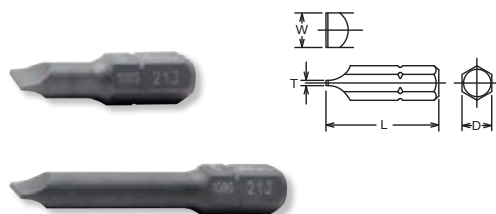

AG112H

Attack Driver Set
Juego de Destornilladores de Impacto


108P-25 • -32 • -50

 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	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5×3	6.35	25	3	10
4	0.6×4	6.35	25	3	10
4.5	0.6×4.5	6.35	25	4	10
5	0.8×5	6.35	25	5	10
5.5	0.8×5.5	6.35	25	5	10
6	1.0×6	6.35	25	5	10
8	1.2×8	6.35	25	6	10

108S.39	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5×3	6.35	39	6	10
4	0.6×4	6.35	39	6	10
4.5	0.6×4.5	6.35	39	6	10
5	0.8×5	6.35	39	7	10
5.5	0.8×5.5	6.35	39	8	10
6	1.0×6	6.35	39	9	10
8	1.2×8	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

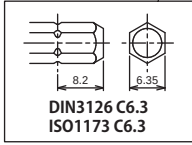
108H.25 (inch)	D (mm)	L (mm)	(g)	(pcs.)
1/8	6.35	25	4	10
9/64	6.35	25	5	10
5/32	6.35	25	5	10
3/16	6.35	25	5	10
7/32	6.35	25	6	10
1/4	6.35	25	7	10

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

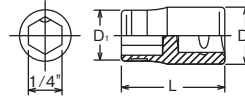
108T.25 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	6	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10
T40H	6.35	25	6	10

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
3137 ○ Porta-punta
4137 ○



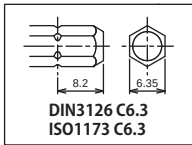
		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12139-1/4	1/4"	11	13	25	15	10	*1
13139-1/4	3/8"	11	19	30	32	10	*2
14139-1/4	1/2"	11	25	35	62	10	*3

*1 Pin/O-Ring=A21/B21

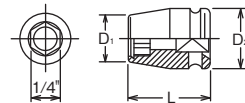
*2 C-Ring=C31, Pin/O-Ring=A31/B31

*3 C-Ring=C41, Pin/O-Ring=A41/B41

→ P270-271



12139 ○ Impact Bit Holder
13139 ○ Porta-punta de Impacto
14139 ○



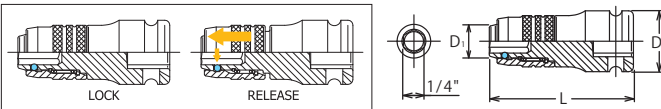
		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C41, Pin/O-Ring=A41/B41

→ P270-271

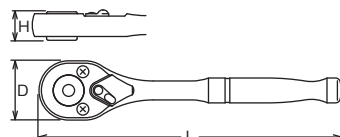
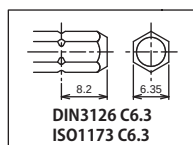
Lock & Quick Release



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

24

	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749P-1/4HF	25	12	125	96	1
2774P-1/4HF	25	12	165	133	1



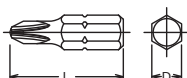
2749P-1/4HF ○ Reversible Ratchet, for Bits 1/4"
Llave de Carraca Reversible, para Puntas 1/4"



2774P-1/4HF ○ Flexible Ratchet, Reversible, for Bits 1/4"
Llave de Carraca Reversible, para Puntas 1/4"



100P-32 • -80 • -125

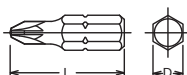
 PH Bits
Puntas PH


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

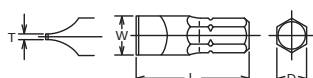
100P.125 (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	8	125	48	10
3	8	125	49	10

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

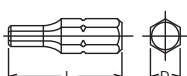
100S-32 • -80

 Bits for Slotted Head
Puntas Rectas/Planas


100S.32	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 × 6	8	32	10	10
7	1 × 7	8	32	11	10
8	1.2× 8	8	32	12	10
9	1.6× 9	8	32	12	10
10	1.6×10	8	32	13	10
11	1.6×11	8	32	15	10
12	2 ×12	8	32	18	10
14	2 ×14	8	32	21	10

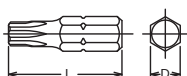
100S.80	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 × 6	8	80	29	10
7	1 × 7	8	80	30	10
8	1.2× 8	8	80	31	10
9	1.6× 9	8	80	32	10
10	1.6×10	8	80	33	10
11	1.6×11	8	80	33	10
12	2 ×12	8	80	34	10
14	2 ×14	8	80	37	10

100H-32

 Hex Bits
Puntas Hexagonales


100H.32 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
7	8	32	13	10
8	8	32	13	10
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®


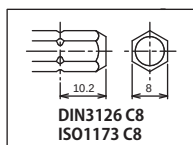
100T.32 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

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

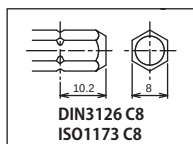


		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12140-5/16	1/4"	14	13	25	15	10	*1
13140-5/16	3/8"	14	19	30	32	10	*2
14140-5/16	1/2"	14	25	35	62	10	*3

*1 Pin/O-Ring=A21/B21

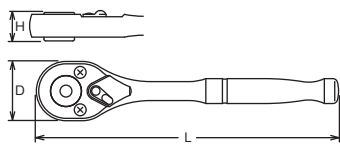
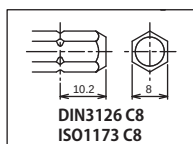
*2 C-Ring=C31, Pin/O-Ring=A31/B31

*3 C-Ring=C41, Pin/O-Ring=A41/B41



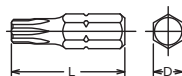
24

	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749P-5/16HF	25	14	125	96	1
2774P-5/16HF	25	14	165	133	1



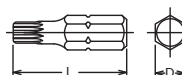
100T-32 (TH)

⚠ Tamper-Resistant TORX® Bits
Punta TORX®, indeformable **⚠**



100X-32 (XZN)

⚠ XZN Bits
Puntas XZN



2138

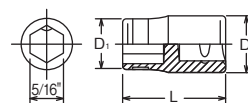
⚠ Bit Holder
Porta-punta

3138

⚠

4138

⚠



12140

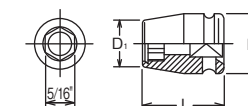
⚠ Impact Bit Holder
Porta-punta de impacto

13140

⚠

14140

⚠



2749P-5/16HF

⚠ Reversible Ratchet, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"

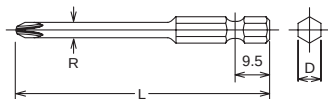


2774P-5/16HF

⚠ Flexible Ratchet, reversible, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"

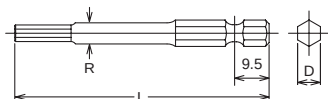


121P-50 · -70 · -100 · -150

PH Bits
Puntas PH

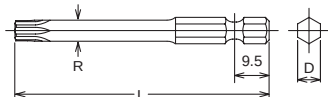
121P.50 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	-	50	13	10

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

➔ P270-271

*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

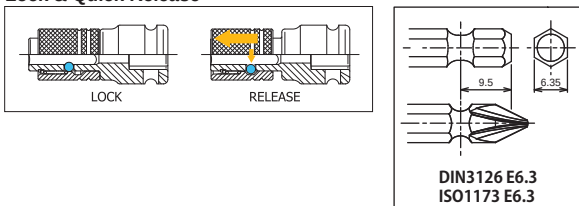
*1 Pin/O-Ring=A21/B21

*2 C-Ring=C31, Pin/O-Ring=A31/B31

➔ P270-271

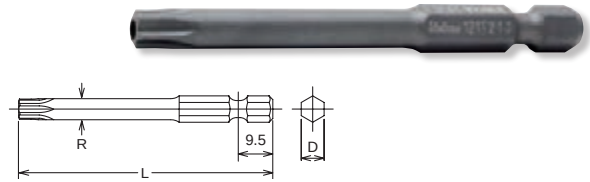
*3 C-Ring=C41, Pin/O-Ring=A41/B41

Lock & Quick Release

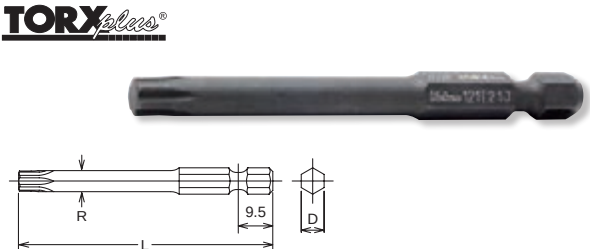


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

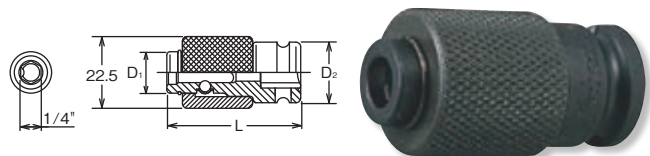
121T-70 · -100 (TH) Tamper-Resistant TORX® Bits Punta TORX®, indeformable



121T-50 · -70 (IP) TORXPLUS® Bits Putas TORXPLUS®



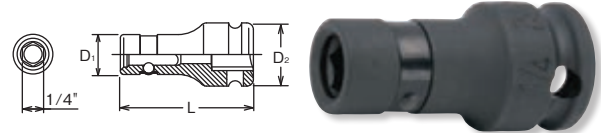
13137H Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)



12137E Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)

13137E

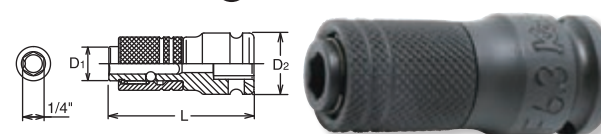
14137E



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



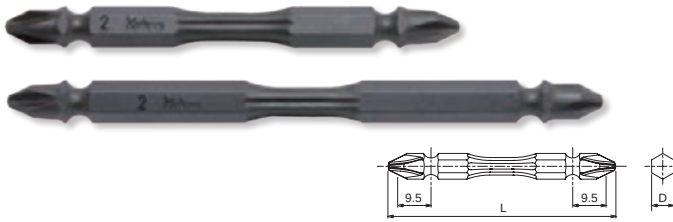
TORX is a registered trademark of CAMCAR Innovations®.
TORX es una marca registrada de CAMCAR Innovations®.

TORXplus is a registered trademark of CAMCAR Innovations®.
TORXplus es una marca registrada de CAMCAR Innovations®.

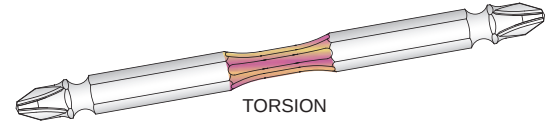
123PT-75 • -100



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

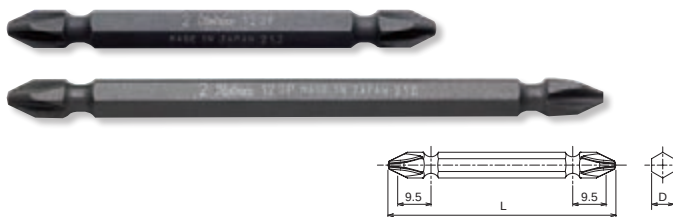


Double Ended Bits
Puntas PH, simétricas

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

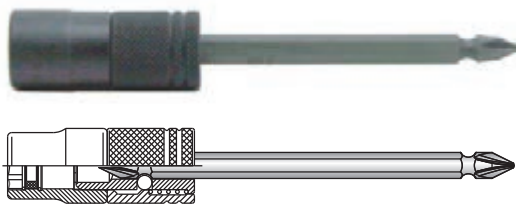
165LM



Slide Socket with Magnet



Nut Setter



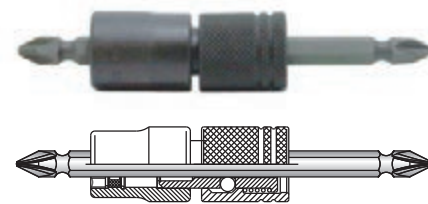
165LM.45 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.5	3.5	45	55	10
10	16	4.2	45	58	10
12	18.5	5.6	45	65	10
13	20	6	45	68	10
14	21	6.4	45	70	10

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.

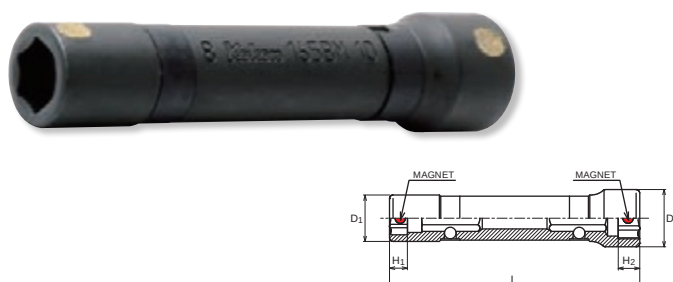
PH Bit



165BM



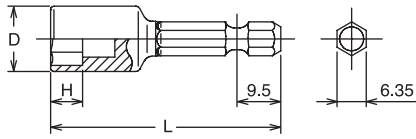
Double-sided socket with side magnets



165BM.70 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8×10	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.)
10×12	16	19.1	6	8	80	80	10
10×13	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.)
10×12	16	19.1	8	8	100	95	10
10×14	16	21.5	8	10	100	105	10
12×14	19.1	21.5	8	10	100	130	10



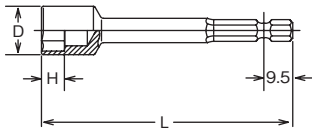
113.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	24	10
11	16	8	50	28	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10

113-50 Nut Setters Vasos para apretar tuercas Hexagonales



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

113.150 (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

113.250 (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)	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 (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

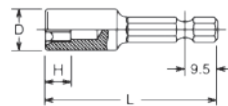
113.50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8(2B)	14.2	7	50	26	10



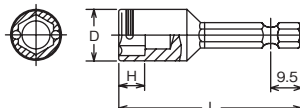
113.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	100	40	10
8	12.7	6	100	41	10
10	14.5	7	100	45	10
12	17	8	100	52	10
13	18	8	100	51	10
14	19	9	100	53	10

113.200 (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

113-50 (E) Nut Setters, TORX® Vasos para apretar tuercas, TORX®



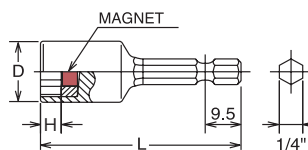
113-50 (2B) Nut Setters Nut Grip® Vasos para apretar tuercas con 2 bolas



115-50



Nut Setters with Magnet
Vasos para tuercas con Imán



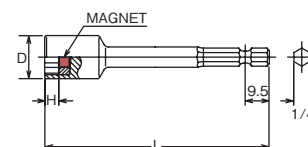
115.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
11	16	4.9	50	35	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

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

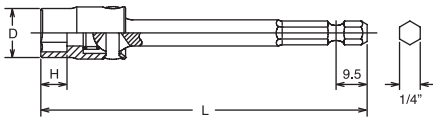
115.150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	150	60	10
8	12.7	3.5	150	61	10
10	14.5	4.2	150	68	10
12	17	5.6	150	77	10
13	18	6	150	82	10
14	19	6.4	150	85	10

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



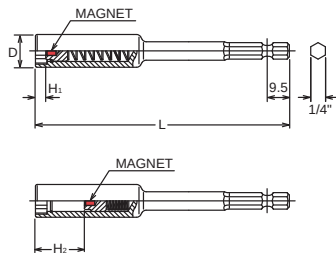
113UN.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	100	50	10
10	15	8	100	53	10
12	17	10	100	56	10
13	18	10	100	65	10
14	19.2	10	100	67	10

113UN.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

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



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

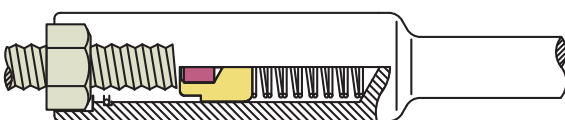
115G.150 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

115G.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
13	18	6.5	25	250	150	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.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

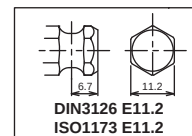
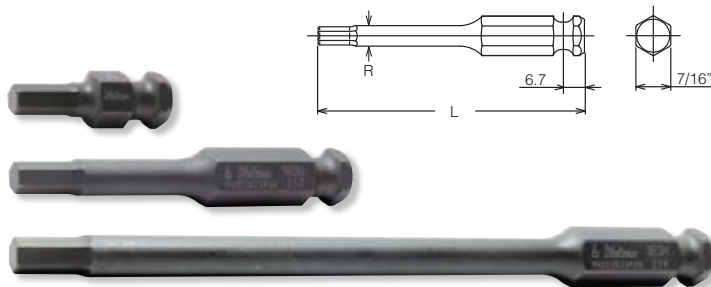
115G.300 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	14.5	4.5	26	300	140	10
12	17	6	26	300	155	10



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

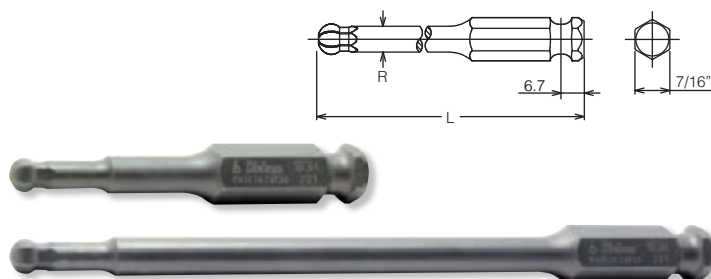
⚠ The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

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

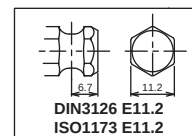
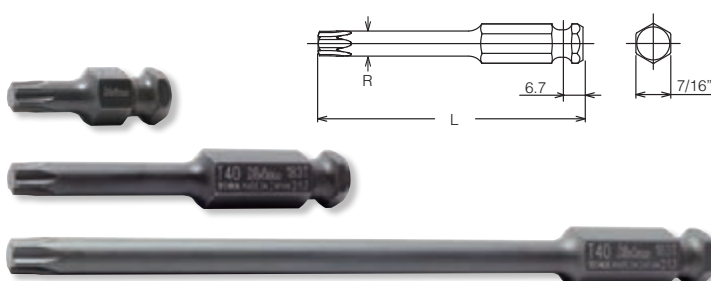
183H-75B • -150B

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

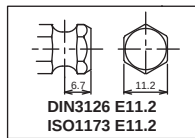
183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10
T60	150	13.5	148	10

⚠ 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

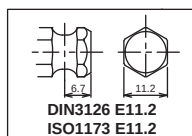
*2 C-Ring=C41,Pin/O-Ring=A41/B41

*3 C-Ring=C61,Pin/O-Ring=A61/B61

13134-SC

Replacement Screw : M8x6, ● 4mm

For
DIN3126 / ISO1173 E11.2 Bits

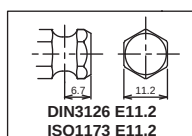


	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⌀
13142-F11.2	3/8"	18.9	22	46	116	10	*1
14142-F11.2	1/2"	18.9	25	46	207	10	*2

*1 C-Ring=C32,Pin/O-Ring=A32/B32

*2 C-Ring=C41,Pin/O-Ring=A41/B41

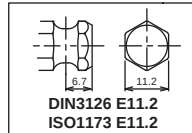
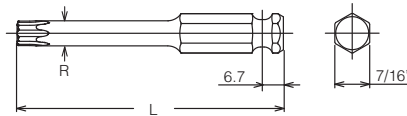
For
DIN3126 / ISO1173 E11.2 Bits



183T-35 · -75 (IP)

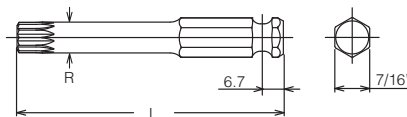
TORXPLUS® Bits
Puntas TORXPLUS®

TORXplus



183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN



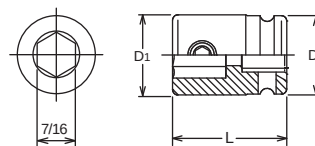
183X.150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
M14	150	13.5	151	10

13134

14134

16134

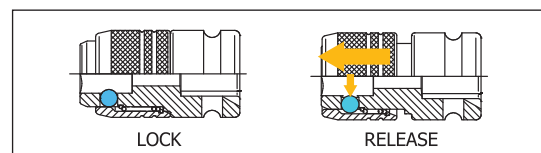
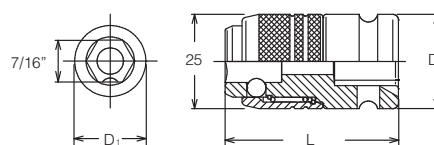
Impact Bit Holder
Porta-punta de Impacto



13142-F11.2

14142-F11.2

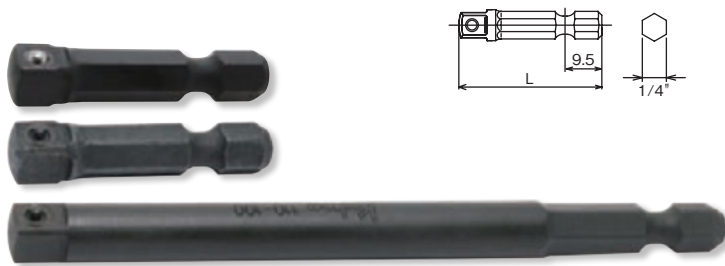
Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida)



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

110-35B · -50B · -75B · -100B · -150B · -200B -35P · -50P · -75P · -100P · -150P · -200P

Adaptors
Adaptadores



110		TYPE	L (mm)	(g)	(pcs.)
35B	1/4"	Ball	35	9	10
35P		Pin	35	9	10
50B		Ball	50	15	10
50P		Pin	50	15	10
75B		Ball	75	25	10
75P		Pin	75	25	10
100B		Ball	100	34	10
100P		Pin	100	34	10
150B		Ball	150	54	10
150P		Pin	150	54	10
200B		Ball	200	73	10
200P		Pin	200	73	10

DIN 3126 / ISO 1173 Form E 6.3

110AL-62 · -100 · -150 · -200

Adaptor (Quick Release)
Adaptador (Extracción Rápida)



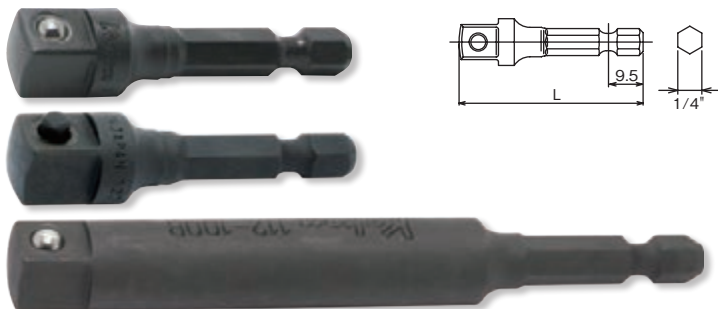
110AL		D (mm)	L (mm)	(g)	(pcs.)
New 62	1/4"	16.2	62	37	10
New 100		16.2	100	52	10
New 150		16.2	150	72	10
New 200		16.2	200	92	10

DIN 3126 Form E 6.3

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

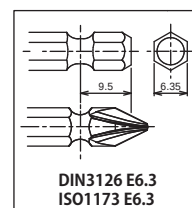
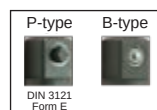
112-50B · -75B · -100B · -150B · -200B -50P · -75P · -100P · -150P · -200P

Adaptors
Adaptadores



112		TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	21	10
50P		Pin	50	21	10
75B		Ball	75	46	10
75P		Pin	75	46	10
100B		Ball	100	71	10
100P		Pin	100	71	10
150B		Ball	150	121	10
150P		Pin	150	121	10
200B		Ball	200	165	10
200P		Pin	200	165	10

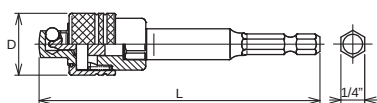
DIN 3126 / ISO 1173 Form E 6.3



112AL



Adaptor (Quick Release)
Adaptador (Extracción Rápida)



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

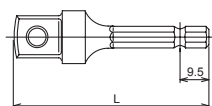
	112AL		D (mm)	L (mm)	(g)	(pcs.)
New	100	3/8"	22	100	95	10

● DIN 3126 Form E 6.3

135E-60B · -60P



Adaptors
Adaptadores



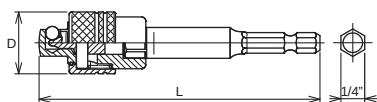
	135E		TYPE	L (mm)	(g)	(pcs.)
	60B	1/2"	Ball	60	46	10
	60P		Pin	60	46	10

● DIN 3126 / ISO 1173 Form E 6.3

135AL



Adaptor (Quick Release)
Adaptador (Extracción Rápida)



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

	135AL		D (mm)	L (mm)	(g)	(pcs.)
New	100	1/2"	28	100	160	10

● DIN 3126 Form E 6.3

117-50B · -100B -50P · -100P

Adaptors
Adaptadores



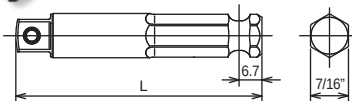
120-50B · -50P

Adaptors
Adaptadores



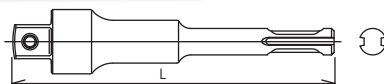
186-75P

Adaptors with Pin
Adaptadores con Perno



BD022-120P

Hammer Drill Adaptor
Adaptador para Taladro de Percusión



117		TYPE	L (mm)	(g)	(pcs.)
50B	1/4"	Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	71	10
100P		Pin	100	71	10

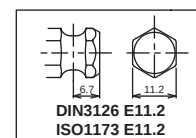
● DIN 3126 / ISO 1173 Form G7

120		TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	27	10
50P		Pin	50	27	10

● DIN 3126 / ISO 1173 Form E8

186-75P		L (mm)	(g)	(pcs.)
3/8	3/8"	75	65	10
1/2	1/2"	75	85	10

● DIN 3126 / ISO 1173 Form E11.2



BD022-120P		L (mm)	(g)	(pcs.)
3/8	3/8"	120	100	10
1/2	1/2"	120	160	10

DIN3126 ISO1173 Bits	C6.3		C8		E6.3		E8		E11.2		G7	
	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
PH	108P series	172	100P series	174	121P series 123P series	176/178						
PZ			100P(PZ) series	174								
Slotted	108S series	172	100S series	174								
HEX	108H series	172	100H series	174	121H series	176			183H series	182		
HEX (Ball point)									183H-B series	182		
TORX® (T)	108T(T) series	172	100T(T) series	174	121T(T) series	176			183T(T) series	182		
TORX® (TH)	108T(TH) series	172	100T(TH) series	175	121T(TH) series	177						
TORXplus® (IP)					121T(IP) series	177			183T(IP) series	183		
XZN			100X series	175					183X series	183		
6-point					113 series 113UN series	179/181						
MG 6-point (with Magnet)					115 series 115G series	180-181						
TORX® (E)					113(E) series	179						
ADAPTOR	108A	172			110 series 112 series 135 series	184-185	120 series	186	186 series	186	117 series	186
BIT HOLDER	2137 3137 4137 12139 13139 14139 13142-D6.3 14142-D6.3	173	2138 3138 4138 12140 13140 14140	175	12137E 13137E 14137E 12142-F6.3 13142-F6.3 14142-F6.3	177			13134 14134 16134 13142-F11.2 14142-F11.2	183		



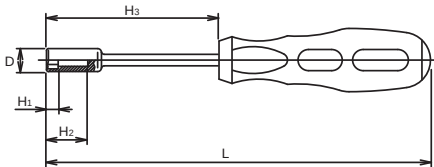
Screwdrivers

Screwdrivers

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

167M • 167A

Socket Drivers
Destornilladores de Vaso

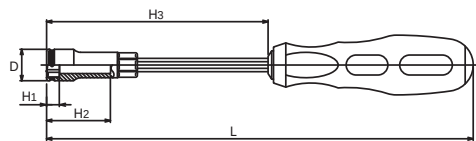


167M (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
3	5.8	3	25	125	225	62	6
3.5	5.8	3	25	125	225	62	6
4	6.7	3.5	25	125	225	64	6
4.5	7.2	4.5	25	125	225	65	6
5	7.8	5	25	125	225	66	6
5.5	8.4	5.5	25	125	225	68	6
6	9.1	6	25	125	225	70	6
7	10.9	6.5	25	125	235	101	6
8	12	7	25	125	235	103	6
9	13.2	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

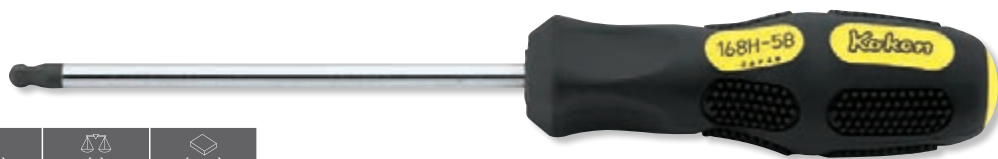
167C (2B)

Interchangeable Socket Driver, Nut Grip®



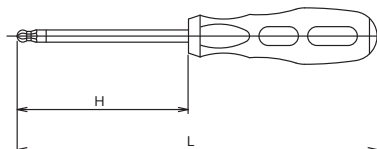
167C(2B) (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
7(2B)	11.5	4	38	122	235	120	6
8(2B)	12.3	5	38	122	235	125	6
10(2B)	14.2	6	38	122	235	130	6
12(2B)	17.3	7	38	122	235	135	6

167C/3-2B	4 Pieces Set/△=280g
PLASTIC BAG	
Socket Drivers	
Socket:	7, 8, 10
Grip:	167C-GRIP

168H-B Ball point Hex Screwdrivers 

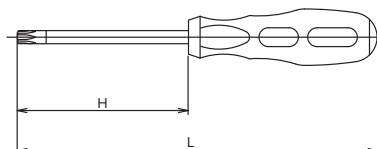
168H (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3B	80	150	25	6
4B	125	225	60	6
5B	125	235	85	6
6B	125	245	150	6
7B	125	245	151	6
8B	125	245	153	6

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

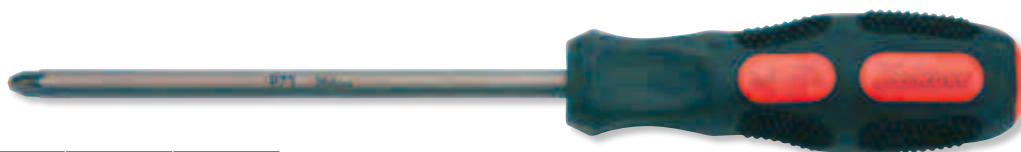
**168T (TH)** Tamper-Resistant TORX® Screwdrivers 

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

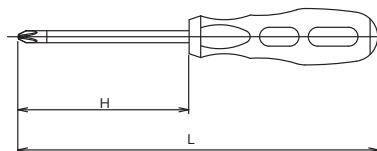
 Tamper Resistant TORX® Screwdrivers have less strength due to the special design. Make sure to use it correctly.

**168T/7 (TH)** Set Juego

168T/7-TH	 (g)
168T-T10H, T15H, T20H, T25H, T27H, T30H, T40H	480

**168P (PZ)** PZ Screwdrivers

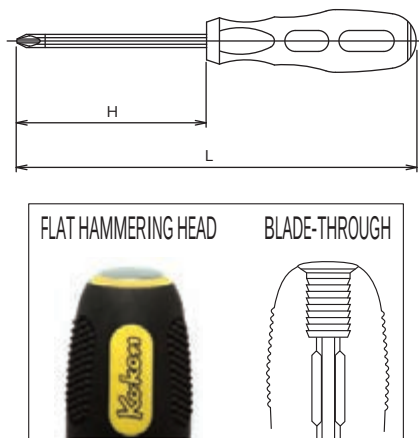
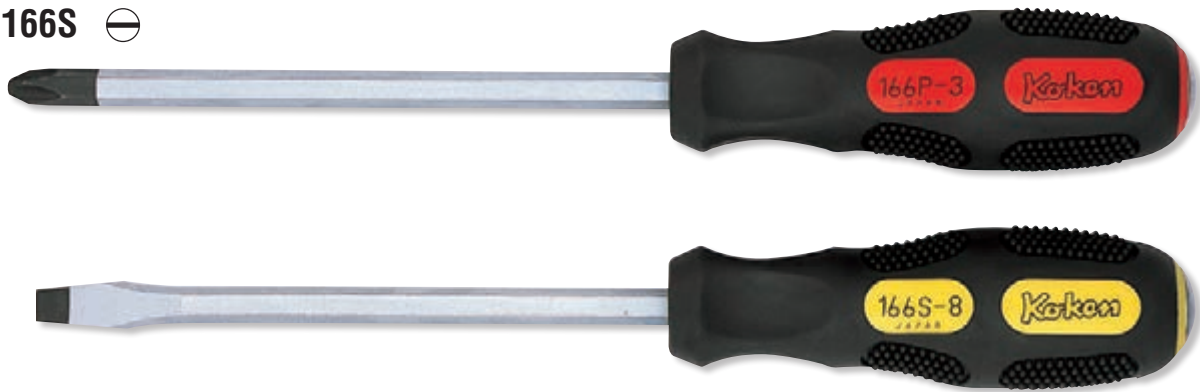
168P (PZ)	H (mm)	L (mm)	 (g)	 (pcs.)
PZ1	75	175	78	6
PZ2	100	210	129	6
PZ3	150	270	203	6



Screwdrivers

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

166P  Screwdrivers (Blade-Through type)
166S  Destornilladores



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

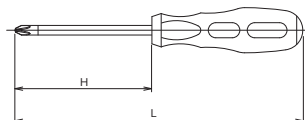


166PS/6	6 Pieces Set/  =885g
CARDBOARD BOX:W280×H115×T40mm	
Screwdrivers	
 166P Screwdrivers 1, 2, 3	
 166S Screwdrivers 5, 6, 8	

PK166PS/6   Set
Juego



PK166PS/6	6 Pieces Set/  =950g
PLASTIC TRAY	
Screwdrivers	
 166P Screwdrivers 1, 2, 3	
 166S Screwdrivers 5, 6, 8	



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

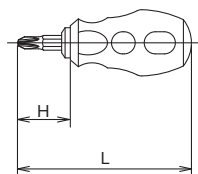
CARDBOARD BOX:W280×H115×T40mm

Screwdrivers
168P Screwdrivers 1, 2, 3
168S Screwdrivers 5, 6, 8

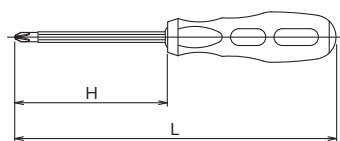
PK168PS/6 6 Pieces Set/△=720g

PLASTIC TRAY

Screwdrivers
168P Screwdrivers 1, 2, 3
168S Screwdrivers 5, 6, 8



168CS	H (mm)	L (mm)	(g)	(pcs.)
2×6	22	86	46	6



168C	H (mm)	L (mm)	(g)	(pcs.)
2×6	100	210	108	6
2×6(150)	150	260	120	6
2×6(200)	200	310	133	6

168P + Screwdrivers
168S - Destornilladores



168PS/6 + - Set
Juego



PK168PS/6 + - Set
Juego



168CS + - Interchangeable Screwdrivers, Stubby



168C + - Interchangeable Screwdrivers



Screwdrivers

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

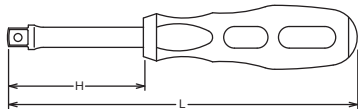
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

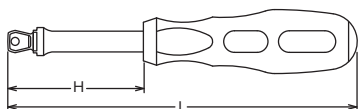
2769N-150 • -220

Spin Type Handle
Mango Tipo Destornillador



2769NWF-150 • -220

Spin Type Handle (Wobble-Fix)
Mango Tipo Destornillador (Articulado-Fijo)



2769N		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	2
220		120	220	100	2

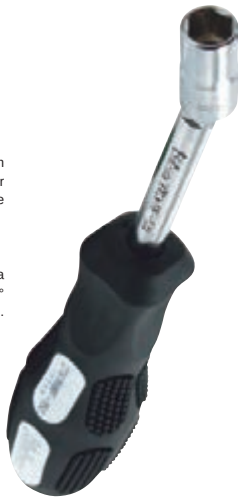
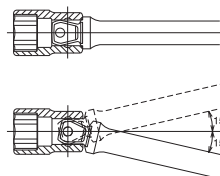
Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.



2769NWF		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	2
220		120	220	100	2

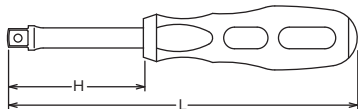
Wobble-Fix Extension Bar
Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

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

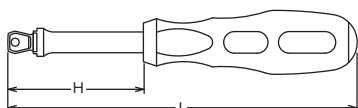
Spin Type Handle
Mango Tipo Destornillador



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"	1"
3/8"	1-1/2"
1/2"	2-1/2"
5/8"	3-1/2"
3/4"	

Impact 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	Z-SERIES															
																					Square Drive															
																					1/4"(6.35mm)SQ.				3/8"(9.5mm)SQ.				1/2"(12.7mm)SQ.				5/8"(15.9mm)SQ.			
Impact Sockets		No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page																					
Standard Sockets	6-point	12400M 12400A	mm inch	196 196	13400M 13400A	mm inch	199 199	14400M 14400A	mm inch	215 215	15400M 15400A	mm inch	233 233	16400M 16400A	mm inch	235 235																				
	6-point (Thin-walled)				13401M 13401A	mm inch	200 200	14401M 14401A	mm inch	216 216			16401M 16401A	mm inch	236 236																					
	6-point (with Magnet)	12400MG 12400AG	mm inch	196 196	13400MG 13400AG	mm inch	201 201	14400MG	mm	217																										
	12-point				13405M 13405A	mm inch	199 199	14405M 14405A	mm inch	215 215			16405M 16405A	mm inch	235 235																					
	12-point (Thin-walled)				13406M 13406A	mm inch	200 200	14406M 14406A	mm inch	216 216																										
	Surface	12410M	mm	196	13410M	mm	201	14410M	mm	217	15410M	mm	233	16410M	mm	236																				
	PATHFINDER®	12465M	mm	197	13465M	mm	202	14465M	mm	218																										
	TORX® (E)	12425	TORX®	197	13425 13425EG	TORX® TORX®	203 203	14425	TORX®	218			16425	TORX®	237																					
	TORXplus® (EP)				13425-EPL	TORXplus®	203	14425-EPL	TORXplus®	218			16425-EPL	TORXplus®	237																					
	TORXplus® (EPR)				13425-EPRL	TORXplus®	203																													
	LH-S				13401LH	LH-STIX®	204	14401LH	LH-STIX®	219																										
	for Self Tapping Screws	12460M 12460A	mm inch	197 197	13460M 13460A	mm inch	202 202																													
	for Self Tapping Screws (with Magnet)	12460MG 12460AG	mm inch	197 197	13460MG 13460AG	mm inch	202 202																													
	Double Square							14415M	mm	218																										
	for Weld Nut				13400-WN		204	14400-WN		219																										
Short Sockets	6-point (Thin-walled)				13401MS	mm	201	14401MS	mm	217																										
Semi Deep Sockets	6-point (Thin-walled)				13301X	mm	204	14301X	mm	219			16301X	mm	238																					
	6-point (with Slide Magnet)				13300XG	mm	205																													
Deep Sockets	6-point	12300M 12300A	mm	198	13300M 13300A	mm inch	205 205	14300M 14300A	mm inch	220 220	15300M	mm	234	16300M 16300A	mm inch	238 238																				
	6-point (Thin-walled)				13301M 13301A	mm inch	205 205	14301M 14301A	mm inch	220 220			16301M 16301A	mm inch	239 239																					
	6-point (with Slide Magnet)	12300G	mm	198	13300G	mm	206	14300G	mm	222																										
	12-point				13305M	mm	206	14305M	mm	221			16305M	mm	239																					
	12-point (Thin-walled)				13306M	mm	206	14306M	mm	221																										
	Surface				13310M	mm	206	14310M	mm	221	15310M	mm	234	16310M	mm	240																				
	PATHFINDER®	12365M	mm	198	13365M	mm	206	14365M	mm	222																										
Extension Sockets	TORX® (E)				13325	TORX®	207	14325	TORX®	222			16325	TORX®	240																					
	6-point				13145M	mm	212	14145M	mm	228																										
	6-point (with Magnet)				13145MG	mm	212	14145MG	mm	228																										
Universal Sockets	12-point				13145M(12P)	mm	212																													
	6-point				13440M 13440A	mm inch	207 207	14440M 14440A	mm inch	222 222																										
	6-point (Extension)				13146M	mm	213	14146M	mm	228																										
Bit Sockets	TORX® (E)				13440T	TORX®	207																													
	Hexagon				13012M	mm	208	14012M	mm	223																										
Bit Sockets (Bit changeable)	TORX® (T)				13025	TORX®	208	14025	TORX®	223																										
	Hexagon				13134M	mm	211	14134M	mm	226			16106-16 16107-22	mm mm	241 243																					
	TORX® (T)				13134T(T)	TORX®	211	14134T(T)	TORX®	226			16106-16(T)	TORX®	241																					
	TORXplus® (IP)				13134T(IP)	TORXplus®	211	14134T(IP)	TORXplus®	226																										
Universal Bit Sockets	XZN (Triple Square)				13134X(XZN)	XZN	211	14134X(XZN)	XZN	226			16106-16(XZN)	XZN	241																					
	Hexagon				13430M	mm	207																													
Extension Bars	Hexagon (Extension)				13147M	mm	213	14147M	mm	229																										
		12760		198	13760		213	14760		229			16760		243																					
	Universal Joints	12770		198	13770 13771 13772		214 214 214	14770 14771 14772		230 230 230	15770		234	16770 16771		244 244																				
	Adaptors	12233A		198	13322A 13344A 13333WA		214 214 214	14433A 14455A 14466A 14444WA		230 230 230 230	15544A 15566A		234 234	16644A 16655A 16688A		244 244 244																				
Locking Adaptors	12222AL		198	13333AL		213	14444AL 14466AL		229 229	15555AL		234	16666AL 16644AL		244 244																					

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.	mm	Page	No.	mm	Page	No.	mm	Page	No.	mm	Page
 Standard Sockets	 6-point	18400M	mm	246	17400M	mm	256	19400M	mm	260	10400M	mm	262
	 6-point (Thin-walled)	18401M 18401A	mm inch	247 247	17400A	inch	256	19400A	inch	260	10400A	inch	262
	 6-point (with Magnet)												
	 12-point	18405M	mm	247	17405M	mm	257						
	 12-point (Thin-walled)	18405A	inch	247	17405A	inch	257						
	 Surface	18410M	mm	248									
	 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	249									
	 6-point (with Slide Magnet)												
 Deep Sockets	 6-point	18300M 18300A	mm inch	249 249	17300M 17300A	mm inch	257 257	19300M	mm	261			
	 6-point (Thin-walled)	18301M 18301A	mm inch	250 250									
	 6-point (with Slide Magnet)												
	 12-point												
	 12-point (Thin-walled)												
	 Surface	18310M	mm	250									
	 PATHFINDER®												
 Extension Sockets	 6-point	18104M	mm	248									
	 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 18107-22 18108-32	mm mm mm	251 253 254	17108-32	mm	258						
	 TORX® (T)	18106-16(T)	TORX®	251									
	 TORXplus® (IP)												
	 XZN (Triple Square)	18106-16(XZN)	XZN	251									
 Universal Bit Sockets	 Hexagon												
	 Hexagon (Extension)												
 Extension Bars		18760		254	17760		259	19760		261			
 Universal Joints		18770 18771		255 255	17770		259	19770		261			
 Adaptors		18866A 18877A		255 255	17788A 17799A		259 259	19977A		261	10099A		262
 Locking Adaptors		18888AL		255									

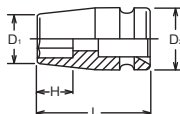
12400M • 12400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



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 Bi-hex.

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

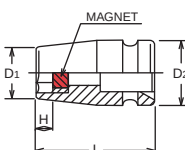
12400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/32	7.5	13	4	23	14	10	*1
3/16	8.1	13	4	23	14	10	*1
7/32	9.4	13	4	23	16	10	*1
1/4	10	13	5	23	14	10	*1
9/32	11.3	13	5	23	14	10	*1
5/16	12.5	13	6	23	14	10	*1
11/32	13.8	13	7	23	14	10	*1
3/8	15	13	7	23	15	10	*1
7/16	16.3	13	8	23	18	10	*1
1/2	18.8	13	8	23	19	10	*1
9/16	20	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 ➔ P271

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 ➔ P271

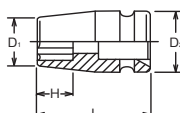
12410M



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

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 ➔ P271

1/4" Impact Sockets

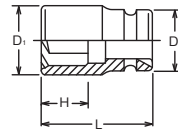
12465M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	23	17	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	9	23	18	10	*1
13	18.8	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 → P271

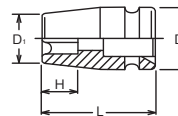


PATHFINDER®

12465M Pathfinder Sockets Vasos Pathfinder (Guía)



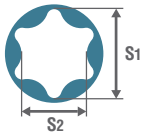
12425 TORX® Sockets Vasos TORX®



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 → P271

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

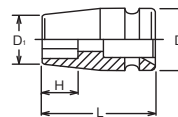
12460M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

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

*1 Pin/O-Ring=A21/B21 → P271

12460M • 12460A

Sockets for Self-Tapping Screws Vasos con Imán para Tornillos Autorroscantes



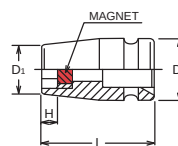
12460MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
12	17.9	13	8	30	41	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

12460AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	2.4	23	16	10	*1
5/16	12.8	13	3.5	25	18	10	*1
3/8	15.3	13	4.2	28	20	10	*1
7/16	16.6	13	4.9	29	27	10	*1
1/2	19.1	13	6	30	23	10	*1

*1 Pin/O-Ring=A21/B21 → P271

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

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

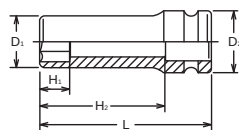
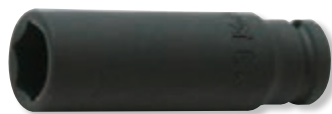
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

12300M 6-point Sockets, Deep Vasos Hexagonales Largos

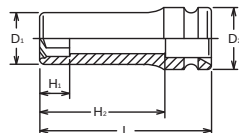


FLAT DRIVE®

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 → P271

12365M Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos

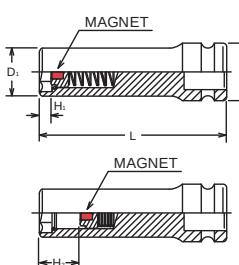


PATHFINDER®

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 → P271

12300G Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo

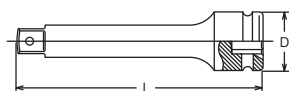


SLIDE MAGNET

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 → P271

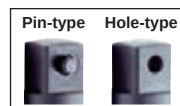
12760 Extension Bars Alargaderas



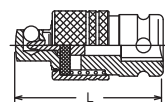
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
12760-55	Hole	13	55	26	10	*1
12760-75	Hole	13	75	45	10	*1
12760-100	Hole	13	100	50	10	*1
12760-150	Hole	13	150	60	10	*1
12760-200	Hole	13	200	80	10	*1

	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 → P271



12222AL Adaptor (Quick Release) Adaptador (Extracción Rápida)

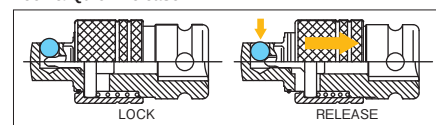


LOCKING ADAPTOR

	L (mm)	(g)	(pcs.)	
12222AL	35	30	10	*1

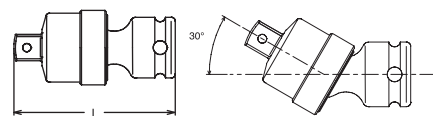
*1 Pin/O-Ring=A21/B21 → P271

Lock & Quick Release



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

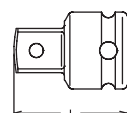
12770 Universal Joint Articulación Universal



	L (mm)	(g)	(pcs.)	
12770	39	30	10	*1

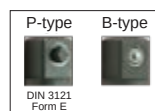
*1 Pin/O-Ring=A21/B21 → P271

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

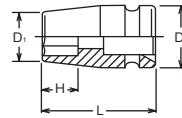
*1 Pin/O-Ring=A21/B21 → P271





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

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

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

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

RS13400M/11	11 Pieces Set/Rail 300mm	(g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		630

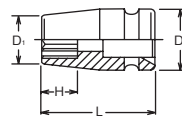
RS13400M/11

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

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

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

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

Impact Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

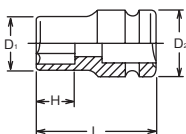
AUTOMOTIVE

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

➔ P270-271

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

➔ P270-271

RS13401M/9



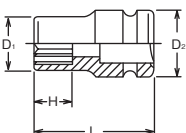
Socket Set on Rail
Juego de Vasos en Regleta



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

➔ P270-271

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

➔ P270-271

3/8" Impact Sockets

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

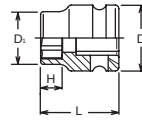
→ P270-271

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



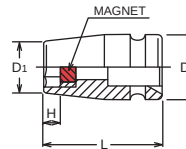
Socket Set on Rail
Juego de Vasos en Regleta



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

→ P270-271

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

→ P270-271

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

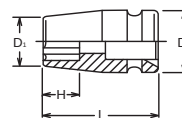
→ P270-271



13410M



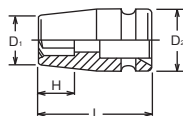
Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



13465M



Pathfinder Sockets
Vasos Pathfinder (Guía)



PATHFINDER®

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

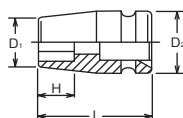
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

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

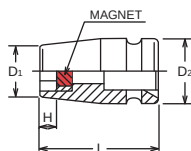
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

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

➔ P270-271

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 → P270-271

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 → P270-271

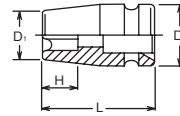
13425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8EPL	11.7	19	5.2	32	44	10	*1
10EPL	12.2	19	6.2	32	44	10	*1
12EPL	14.2	19	7.2	32	44	10	*1
14EPL	17.2	19	8.1	32	46	10	*1
16EPL	18.2	19	9.2	32	41	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

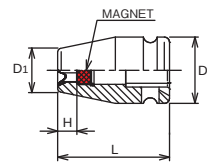
13425-EPRL (EPRL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10EPRL	12.2	19	6.2	32	44	10	*1
12EPRL	14.2	19	7.2	32	44	10	*1
14EPRL	17.2	19	8.1	32	46	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

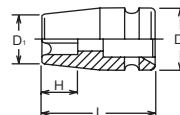
13425 TORX® Sockets Vasos TORX®



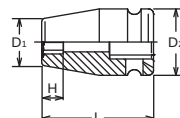
13425EG TORX® Sockets with Magnet Vasos TORX® con Imán



13425-EPL TORXPLUS® Sockets Vasos TORXPLUS®



13425-EPRL Tamper-Resistant TORXPLUS® Sockets Vasos TORXPLUS® Indeformable

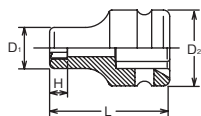


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Impact Sockets 3/8"

13401LH LHS Sockets Vasos LHS



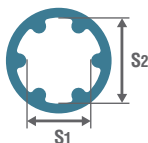
13401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5S	11	19	5	32	32	10	*1
6S	12.3	19	5.6	32	34	10	*1
8S	16	19	6.8	32	36	10	*1
10S	18.5	22	8	32	50	10	*2
12S	22.3	22	9.2	32	58	10	*2
14S	24.8	22	10.4	32	63	10	*2
16S	28.5	22	11.6	32	77	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

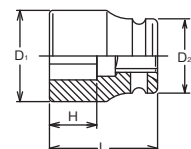
→ P270-271

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

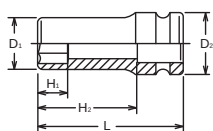
→ P270-271

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

→ P270-271

RS13301X/9 Socket Set on Rail Juego de Vasos en Regleta



RS13301X/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		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

➔ P270-271

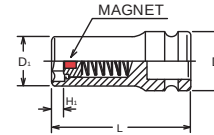
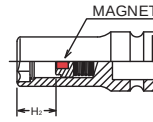


SLIDE MAGNET

13300XG



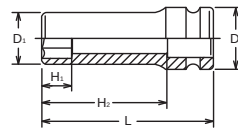
Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo



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

➔ P270-271

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

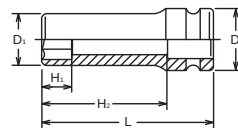
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

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

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

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

Impact Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

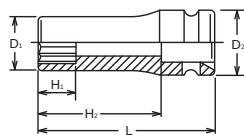
PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

206

13305M 12-point Sockets, Deep Vasos Bihexagonales Largos



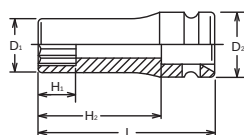
13305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	66.5	80	82	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
17	24.5	22	17	65.5	80	168	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

13306M 12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada



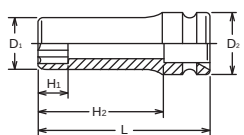
13306M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	8	66.5	80	68	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
17	23.5	21.5	17	66.5	80	136	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

13310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



SURFACE DRIVE

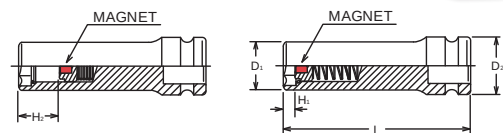
13310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*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

➔ P270-271

13300G Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo



SLIDE MAGNET

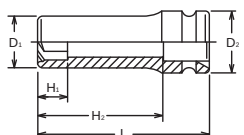
13300G (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
16	23.3	22	8	27	80	210	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	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

➔ P270-271

13365M Pathfinder Sockets deep Vasos Pathfinder (Guía) Largos



PATHFINDER®

13365M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

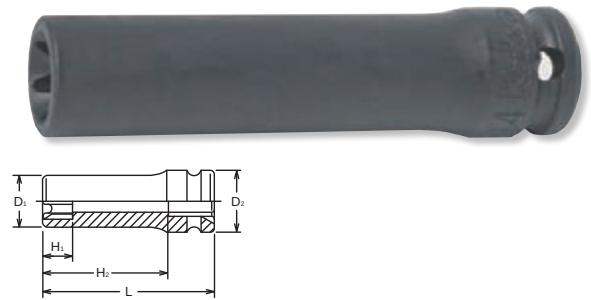
➔ P270-271

3/8" Impact Sockets

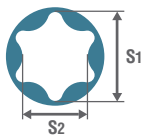
13325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	71	10	*1
E10	12.2	19	8.2	66.5	80	70	10	*1
E12	14.2	19	9.3	66.5	80	80	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	115	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

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	205	10	*2
22	32	13	61	210	10	*2
24	34.5	13	63	236	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	140	10	*2
5/8	23.3	8	59	140	10	*2
11/16	24.5	8	59	140	10	*2
3/4	27	10	61	153	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

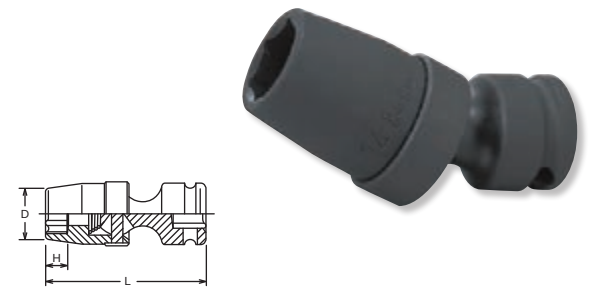
13440T (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	13.3	8.2	58	135	10	*2
E12	15.8	9.3	58	135	10	*2
E14	17	10.6	58	135	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

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 → P270-271

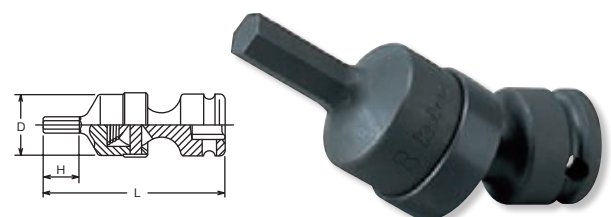
13440M • 13440A Universal Sockets Vasos con Articulación Universal



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

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

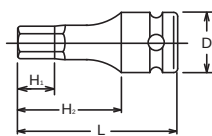
PROTECTOR
PROTECTORES

AUTOMOTIVE

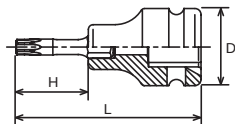
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

13012M-52 Inhex Sockets Vasos con Punta Hexagonal



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

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

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

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

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

*2 C-Ring=C32, Pin/O-Ring=A32/B32

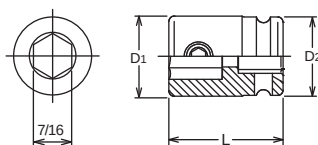
➔ P270-271

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



	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13134	24	22	32	70	10	*2

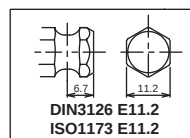
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

13134-SC

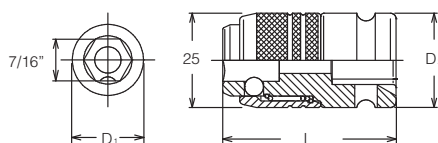
Replacement Screw : M8×6, ● 4mm

For
DIN3126 / ISO1173 E11.2 Bits



F11.2

13142-F11.2 Impact Bit Holder (Quick Release) Porta-punta de Impacto (Extracción Rápida) ⚠

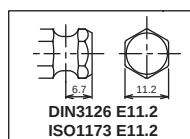


	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	18.9	22	46	116	10	*2

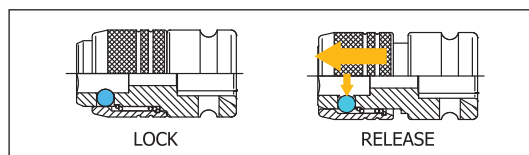
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P270-271

For
DIN3126 / ISO1173 E11.2 Bits



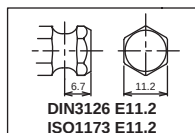
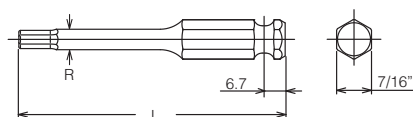
F11.2



⚠ 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

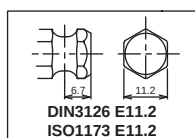
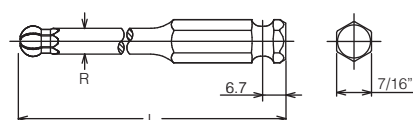
183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

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



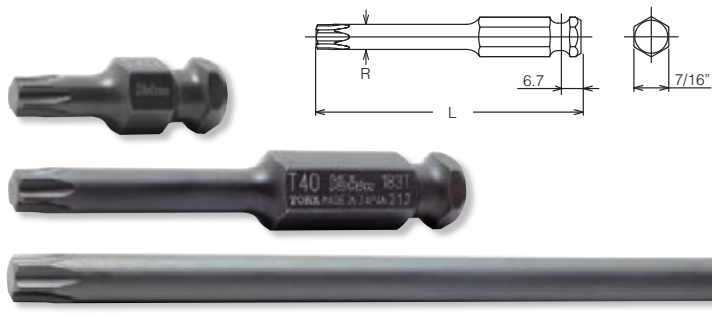
183H.75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
6B	75	5.7	39	10
8B	75	7.7	44	10
10B	75	9.7	49	10
12B	75	11.7	72	10

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

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.

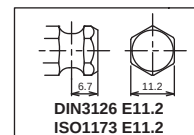
183T-35 · -75 · -150 (T)

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

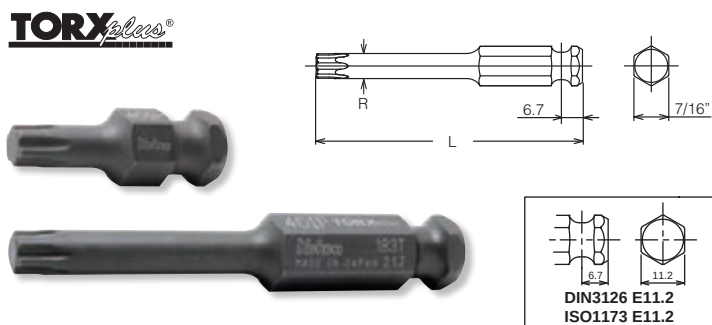


183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10
T60	150	13.5	148	10

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 · -75 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®



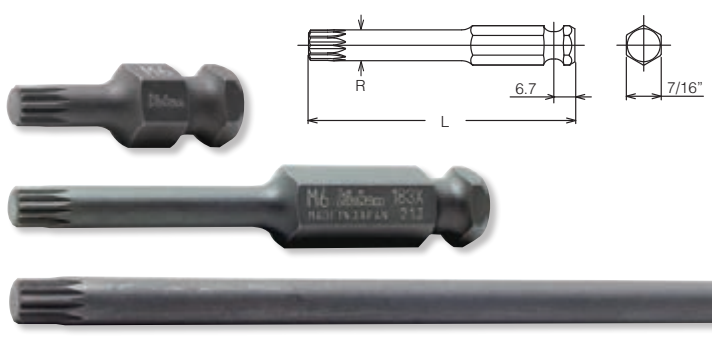
The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

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

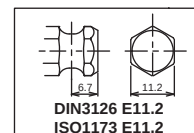
183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN



183X.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.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.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.

3/8" Impact Sockets

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 ➔ P270-271

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 ➔ P270-271

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 ➔ P270-271

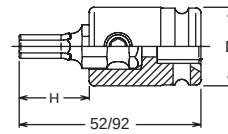
13134X-52/-92 (XZN)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	Ⓢ
M 5	22	20	60	6	88	104	10	*2
M 6	22	20	60	6.2	90	106	10	*2
M 8	22	20	60	7.4	92	109	10	*2
M10	22	20	60	9.8	96	124	10	*2
M12	22	20	60	11.7	100	129	10	*2
M14	22	20	60	13.5	108	139	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➔ P270-271

13134M-52 · -92



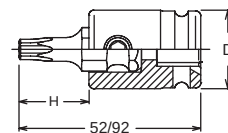
Hex Bit Sockets
Vasos con Punta Hexagonal



13134T-52 · -92 (T)



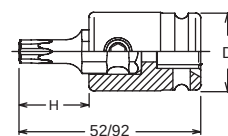
TORX® Bit Sockets
Vasos con Punta TORX®



13134T-52 · -92 (IP)



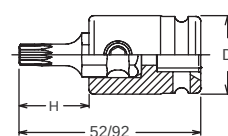
TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®



13134X-52 · -92 (XZN)



XZN Bit Sockets
Vasos con Punta XZN



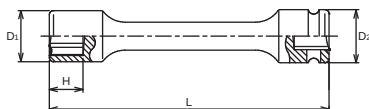
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TORX es una marca registrada de CAMCAR Innovations®.

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TORXplus es una marca registrada de CAMCAR Innovations®.

Koken TOOL CO., LTD.

13145M-100 • -150 • -200 • -250

Extra Long Sockets
Vasos Extra-Largos



13145M.250 (mm)	D1 (mm)	D2 (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 ➔ P270-271

13145M.100 (mm)	D1 (mm)	D2 (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

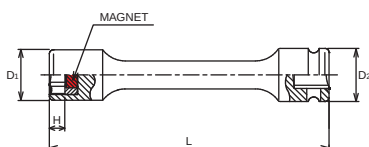
13145M.150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	150	105	5	*1
8	13.3	19	8	150	110	5	*1
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1
13	19.5	19	13	150	137	5	*1
14	20.8	19	14	150	146	5	*1
15	22	19	15	150	155	5	*1
17	24.5	19	17	150	163	5	*1

13145M.200 (mm)	D1 (mm)	D2 (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 ➔ P270-271

13145MG-100 • -150 • -200

Extra Long Sockets with Magnet
Vasos Extra-Largos con Imán



13145MG.100 (mm)	D1 (mm)	D2 (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

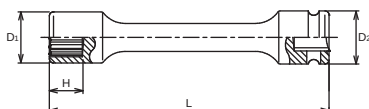
13145MG.150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	3.5	150	120	5	*1
10	15.8	19	4.2	150	125	5	*1
12	18.3	19	5.6	150	136	5	*1
13	19.5	19	6	150	145	5	*1
14	20.8	19	6.4	150	150	5	*1
17	24.5	19	7.5	150	170	5	*1

13145MG.200 (mm)	D1 (mm)	D2 (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 ➔ P270-271

13145M-100 (12P) • -150 (12P) • -200 (12P)

Extra Long 12-point Sockets
Vasos Bihexagonales, Extra-Largos

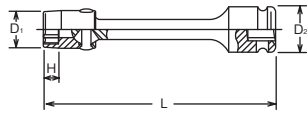


13145M.100 (12P) (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	100	91	5	*1
12	18.3	19	12	100	100	5	*1

13145M.150 (12P) (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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 ➔ P270-271



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

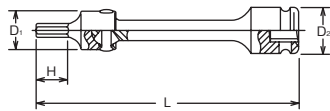


13146M-250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	250	190	5	*1
10	14.3	19	7	250	193	5	*1
12	18	19	8	250	195	5	*1
13	19.3	19	8.5	250	194	5	*1
14	20	19	9	250	194	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

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

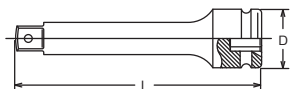
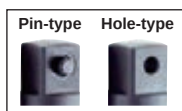


13147M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	21	19	15	200	156	5	*1
5	21	19	15	200	159	5	*1
6	21	19	15	200	163	5	*1
8	21	19	15	200	167	5	*1
10	21	19	15	200	171	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

13760 13760-P

Extension Bars
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

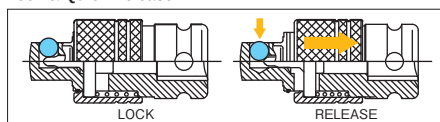
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
13760-50P	Pin	22	50	70	10	*2
13760-75P	Pin	22	75	95	10	*2
13760-100P	Pin	22	100	115	10	*2
13760-125P	Pin	22	125	140	5	*2
13760-150P	Pin	22	150	165	5	*2
13760-200P	Pin	22	200	215	5	*2
13760-250P	Pin	22	250	260	5	*2
13760-300P	Pin	22	300	310	5	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

	L (mm)	(g)	(pcs.)	
13333AL	45	62	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

Lock & Quick Release



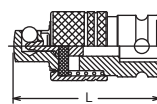
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.



LOCKING ADAPTOR

13333AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida) ⚠



Impact Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

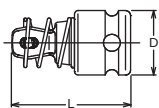
PROTECTOR
PROTECTORES

AUTOMOTIVE

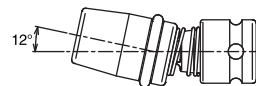
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

13333WA Universal Adaptor ⚠



13400M-10 + 13333WA

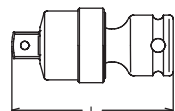


	D (mm)	L (mm)	(g)	(pcs.)	⚠
13333WA	19	35	36	10	*1

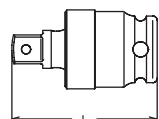
*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

⚠ 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

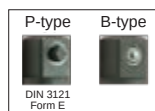
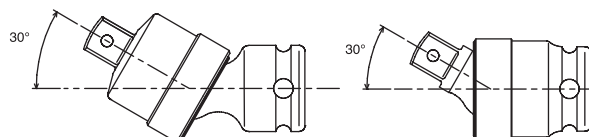


13771 Universal Joint Articulación Universal

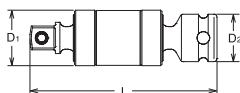


	TYPE	L (mm)	(g)	(pcs.)	⚠
13770	Hole	56	110	10	*2
13770-B	Ball	56	110	10	*2
13770-P	Pin	56	110	10	*2
13771	Hole	48	92	10	*2
13771-B	Ball	48	92	10	*2
13771-P	Pin	48	92	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271



13772 Universal Double Joint Articulación Universal ⚠

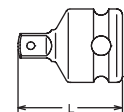


	TYPE	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⚠
13772-B	Ball	22	19	75	120	5	*1
13772-P	Pin	22	19	75	120	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

⚠ 13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

13322A Adaptor ⚠

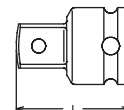


	TYPE	⌘ (sq.)	⌘ (sq.)	L (mm)	(g)	(pcs.)	⚠
13322A	Hole	3/8"	1/4"	27	25	10	*1
13322A-B	Ball	3/8"	1/4"	27	25	10	*1
13322A-P	Pin	3/8"	1/4"	27	25	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P270-271

⚠ 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



	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 → P270-271

13242M Socket Set Juego de Vasos



13242M 11 Pieces Set ⚠=1,140g

METAL CASE: W310×H90×T48mm

Sockets

13400M 6-pt. Sockets
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

1/2" Impact Sockets

14400M • 14400A

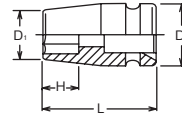
6-point Sockets
Vasos Hexagonales

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

→ P270-271



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

→ P270-271

14405M • 14405A

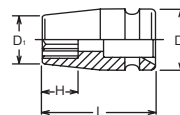
12-point Sockets
Vasos Bihexagonales

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

→ P270-271



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

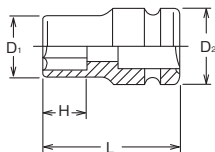
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P270-271

Impact Sockets 1/2"

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

→ P270-271

*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

→ P270-271

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

RS14401M/10

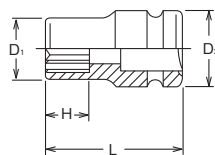
Socket Set on Rail
Juego de Vasos en Regleta



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

→ P270-271

*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

→ P270-271

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

1/2" Impact Sockets

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

➔ P270-271

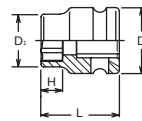
RS14401MS/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		740



14401MS



6-point Short Sockets, Thin-walled.
Vasos Hexagonales de Pared Delgada, Short



RS14401MS/10



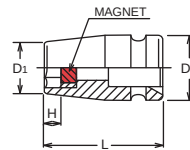
Socket Set on Rail
Juego de Vasos en Regleta



14400MG



6-point Sockets with Magnet
Vasos Hexagonales con Imán



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

➔ P270-271

14410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	38	86	10	*1
11	18.2	25	8	38	86	10	*1
12	19.5	25	9	38	86	10	*1
13	20.7	25	10	38	86	10	*1
14	22	25	10	38	86	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	126	10	*2
19	28.2	30	13	38	126	10	*2
20	29.5	30	13	38	125	10	*2
21	30.7	30	14	38	125	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	135	10	*2
24	34.5	30	14	38	136	10	*2
25	35.7	30	14	38	140	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	166	10	*2
29	40.7	30	17	42	185	10	*2
30	42	30	17	42	200	10	*2
31	43.2	30	17	42	210	10	*2
32	44.5	30	18	42	210	10	*2
34	47	30	19	46	255	5	*2
36	49.5	30	20	46	275	5	*2

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

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

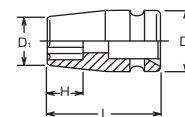
➔ P270-271



14410M



Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

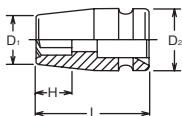


SURFACE DRIVE

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

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

14465M Pathfinder Sockets Vasos Pathfinder (Guía)



PATHFINDER®

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.

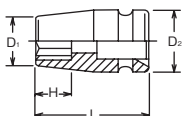
Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.

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 → P270-271

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

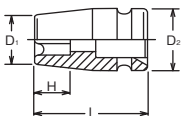
14415M Double Square Sockets Vasos Octagonales



14415M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	25.7	30	10	38	138	10	*2
15	27	30	11	38	145	10	*2
16	29.5	30	11	38	150	10	*2
17	30.7	30	12	38	155	10	*2
18	32	30	13	38	165	10	*2
19	33.2	30	14	38	170	10	*2
22	38.2	30	14	40	185	10	*2
24	42	30	14	42	215	10	*2
27	45.7	30	16	46	278	5	*2
28	47	30	16	46	285	5	*2
29	49.5	30	17	46	326	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

14425 TORX® Sockets Vasos TORX®

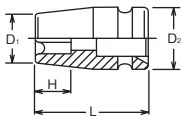


14425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	38	89	10	*1
E20	24.2	30	14.4	38	134	10	*2
E22	26.2	30	15.5	40	140	10	*2
E24	28.2	30	17	40	138	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

*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	14.2	25	6.2	38	86	10	*1
12EPL	15.2	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	19.2	25	9.1	38	88	10	*1
18EPL	22.2	25	10.2	38	90	10	*1
20EPL	24.2	30	11.2	38	135	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

*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

→ P270-271

WN

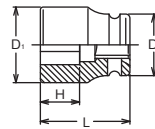


WN		6WN	8WN	9WN	10WN	12WN	14WN	17WN
S	(ref. mm)	6	8	9	10	12	14	17

14400-WN



Weld Nut Sockets



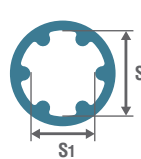
14401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6S	13	25	5.6	38	65	10	*1
8S	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
14S	25.5	30	10.4	38	121	10	*2
16S	29.2	30	11.6	38	128	10	*2

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

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

→ P270-271

LHSTIX®

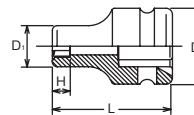


LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S ₁	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S ₂	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

14401LH



LHS Sockets
Vasos LHS



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

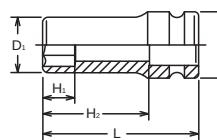
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P270-271

14301X



6-point Sockets, Semi-Deep
Vasos Hexagonales Medianos de pared Delgada



RS14301X/10

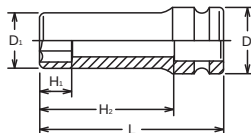


Socket Set on Rail
Juego de Vasos en Regleta



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

→ P270-271



FLAT DRIVE®

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	523	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	634	2	*2

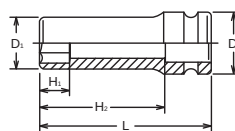
*1 C-Ring=C41, Pin/O-Ring=A41/B41

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

→ P270-271

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.)	
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
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

→ P270-271

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	360	10	*2
31	41.7	29	31	63	85	370	10	*2
32	43	29	32	63	85	380	10	*2
34	45.5	29	34	62	85	411	2	*2
35	46.7	29	35	62	85	450	2	*2
36	48	29	36	61	85	460	2	*2
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

→ P270-271

1/2" Impact Sockets

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

→ P270-271

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

→ P270-271

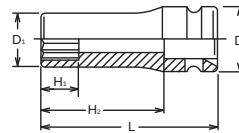
14310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
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

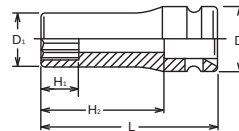
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P270-271

14305M 12-point Deep Sockets Vasos Bihexagonales Largos



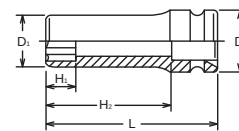
14306M 12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada



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

Impact Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

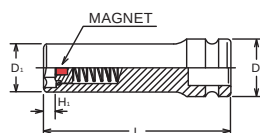
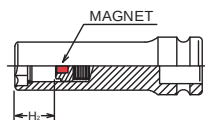
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS 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)	L (mm)	(g)	(pcs.)	
10	17	25	4.5	26	80	139	10	*1
12	19.5	25	6	26	80	165	10	*1
13	20.7	25	6.5	25	80	185	10	*1
14	22	25	7	24	80	189	10	*1
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

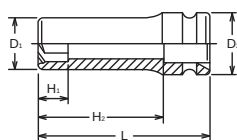
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

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

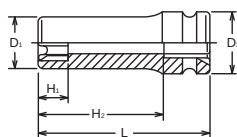
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

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

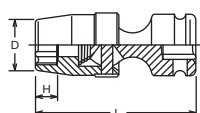
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

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	5	*2
14	22	7	69.5	210	5	*2
15	23.2	7	69.5	210	5	*2
16	24.5	8	69.5	206	5	*2
17	25.7	8	69.5	220	5	*2
18	27	9	69.5	218	5	*2
19	28.2	10	73.5	260	5	*2
20	29.5	10	73.5	270	5	*2
21	30.7	11	73.5	280	5	*2
22	32	13	73.5	290	5	*2
24	34.5	14	75.5	300	5	*2

14440A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	20.7	6	67.5	210	5	*2
9/16	22	7	69.5	210	5	*2
5/8	24.5	8	69.5	206	5	*2
11/16	25.7	8	69.5	220	5	*2
3/4	28.2	10	73.5	260	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

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

→ P270-271

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

→ P270-271

RS14025/6-L60	6 Pieces Set/Rail 200mm	(g)
T30, T40, T45, T50, T55, T60		650

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14134	24	25	38	90	10	*1

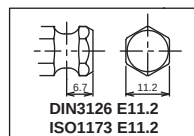
*1 C-Ring=C41, Pin/O-Ring=A41/B41

→ P270-271

13134-SC

Replacement Screw : M8×6, ● 4mm

For
DIN3126 / ISO1173 E11.2 Bits

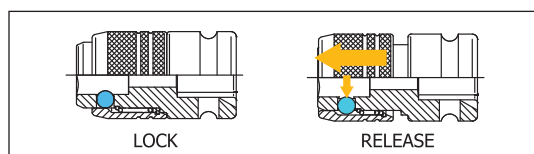
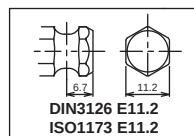


	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14142-F11.2	18.9	25	46	207	10	*1

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

→ P270-271

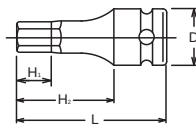
For
DIN3126 / ISO1173 E11.2 Bits



⚠ 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



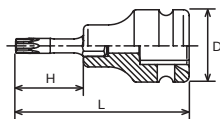
Socket Set on Rail
Juego de Vasos en Regleta



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



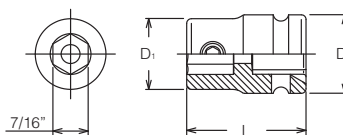
Socket Set on Rail
Juego de Vasos en Regleta



14134



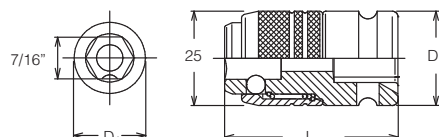
Impact Bit Holder
Porta-punta de Impacto



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

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

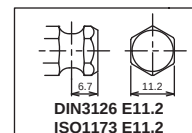
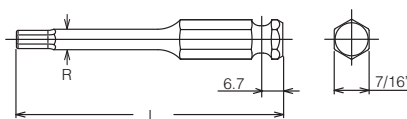
AUTOMOTIVE

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

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

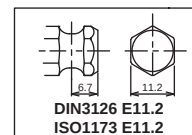
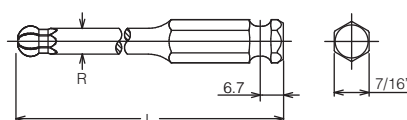
183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10

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

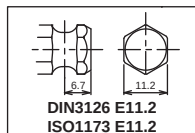


183H.75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
6B	75	5.7	39	10
8B	75	7.7	44	10
10B	75	9.7	49	10
12B	75	11.7	72	10

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

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.

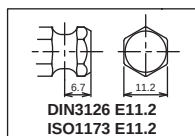
183T-35 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	30	10
T60	35	38	10



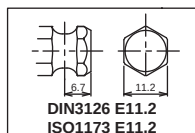
183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T25	75	6	33	10
T27	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T-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

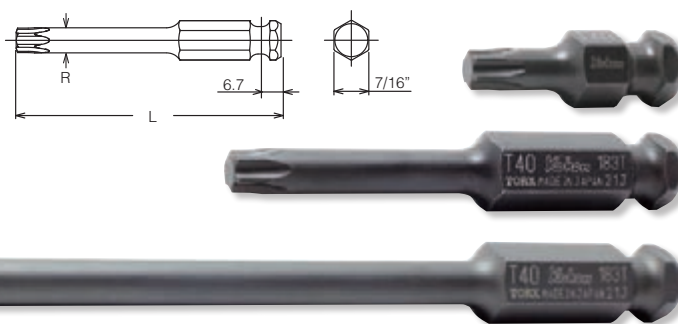


183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10



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

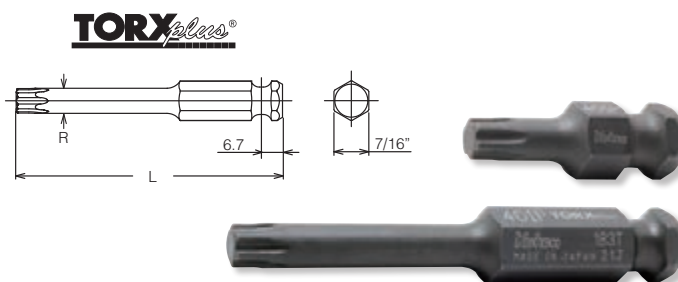
183T-35 · -75 · -150 (T)

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

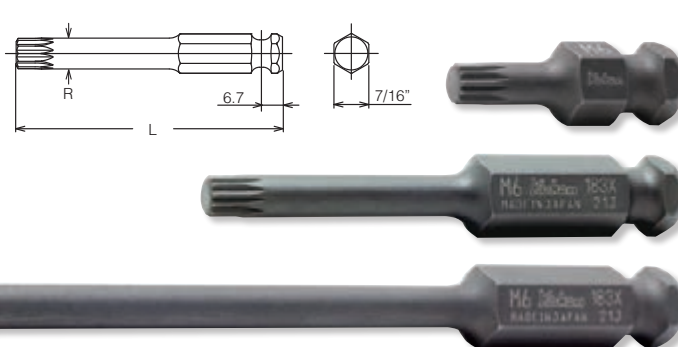
The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

183T-35 · -75 (IP)

TORXPLUS® Bits
Puntas 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.

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.

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Impact Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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
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 ➔ P270-271

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.)	Ⓟ
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 ➔ P270-271

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 ➔ P270-271

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 ➔ P270-271

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TORXplus es una marca registrada de CAMCAR Innovations®.

	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 → P270-271

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

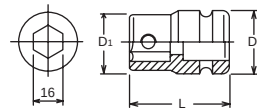
107.16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

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.

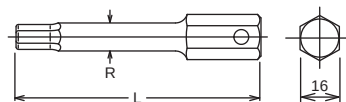
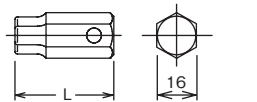
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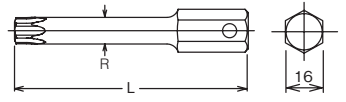
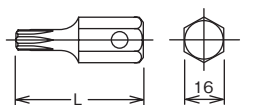
14106 Bit Holder for 107-16 Porta Punta



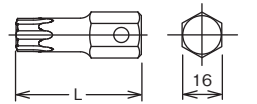
107-16 Bits for Inhex screws Puntas para Tornillos Inhex



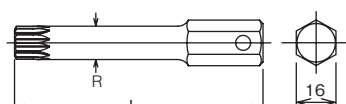
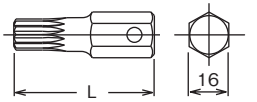
107-16 (T) TORX® Bits Puntas TORX®



107-16 (IP) TORXPLUS® Bits Puntas TORXPLUS®

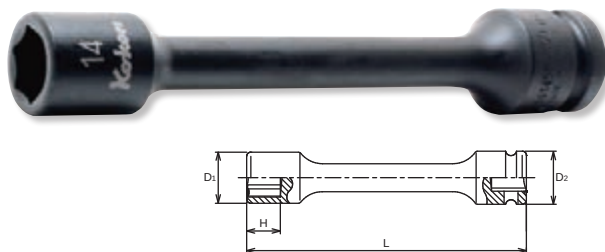


107-16 (XZN) XZN Bits Puntas XZN



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 ➔ P270-271

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

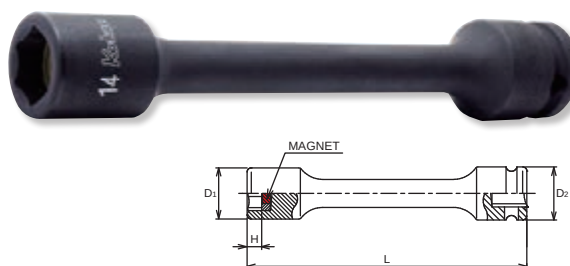
14145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

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 ➔ P270-271

14145MG-150 • -200

Extra Long Sockets with Magnet
Vasos Extra-Largos con Imán



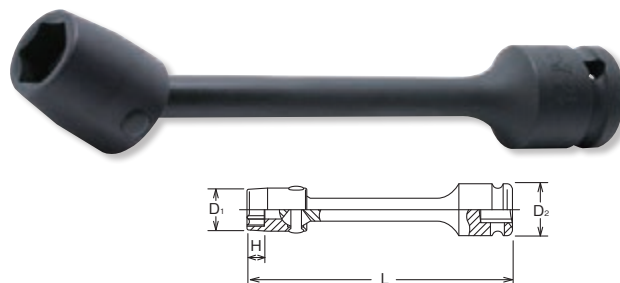
14145MG.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	4.2	150	195	1	*1
12	19.5	25	5.6	150	210	1	*1
14	22	25	6.4	150	230	1	*1
17	25.7	25	7.5	150	266	1	*1

14145MG.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	4.2	200	240	1	*1
12	19.5	25	5.6	200	254	1	*1
14	22	25	6.4	200	275	1	*1
17	25.7	25	7.5	200	313	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P270-271

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 ➔ P270-271

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 ➔ P270-271

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

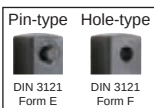
14147M-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	25	25	15	200	244	1	*1
8	25	25	15	200	249	1	*1
10	25	25	15	200	254	1	*1
12	25	25	15	200	261	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P270-271

	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

	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

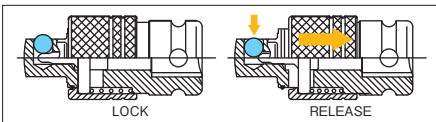
*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔ P270-271



	L (mm)	(g)	(pcs.)	
14444AL	60	128	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P270-271

Lock & Quick Release



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

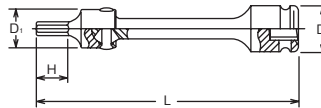
	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466AL	1/2"	3/4"	75	460	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔ P270-271

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

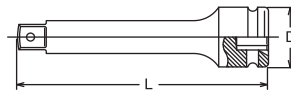
14147M-150 • -200

Extra Long Universal Inhex Sockets
Vasos Inhex con Articulación Universal Extra-Largos



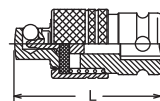
14760 14760-P

Extension Bars
Alargaderas



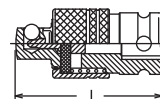
14444AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

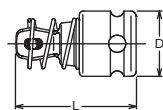


14466AL

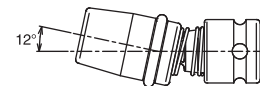
Adaptor (Quick Release)
Adaptador (Extracción Rápida)



14444WA Universal Adaptor ⚠



14400M-14 + 14444WA

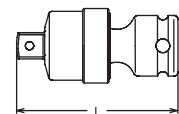


	D (mm)	L (mm)	(g)	(pcs.)	Ⓢ
14444WA	25	47	83	10	*1

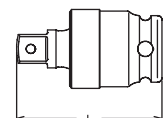
*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P270-271

⚠ 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

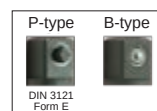
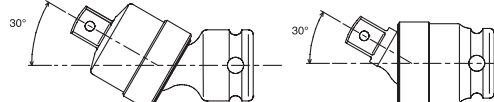


14771 Universal Joint Articulación Universal



	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 ➔ P270-271



14772 Universal Double Joint Articulación Universal ⚠

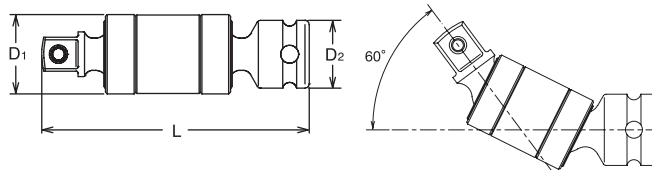


UNIVERSAL
DOUBLE JOINT

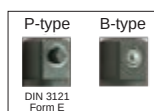
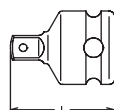
	TYPE	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
14772-B	Ball	27	25	90	230	5	*1
14772-P	Pin	27	25	90	230	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P270-271

⚠ 13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.



14433A Adaptor Adaptador ⚠



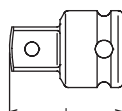
	TYPE	Ⓢ (sq.)	Ⓢ (sq.)	L (mm)	(g)	(pcs.)	Ⓢ
14433A	Hole	1/2"	3/8"	37.5	68	10	*1
14433A-B	Ball	1/2"	3/8"	37.5	68	10	*1
14433A-P	Pin	1/2"	3/8"	37.5	68	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P270-271

⚠ 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

14466A



	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 ➔ P270-271

1/2" Impact Sockets

14207M	10 Pieces Set/△=2,700g
METAL CASE: W310×H90×T48mm	
Sockets	
 14300M 6-pt Deep Sockets 10, 12, 13, 14, 17, 19, 21, 22, 24, 27	

14208M	13 Pieces Set/△=3,740g
METAL CASE: W395×H90×T50mm	
Sockets	
 14300M 6-pt Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27	

14209M	10 Pieces Set/△=830g
METAL CASE: W190×H59×T45mm	
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

14210M	18 Pieces Set/△=1,250g
METAL CASE: W310×H90×T48mm	
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

14210T	14 Pieces Set/△=1,080g
METAL CASE: W310×H90×T48mm	
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

14210X	14 Pieces Set/△=1,040g
METAL CASE: W310×H90×T48mm	
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

14207M Socket Set Juego de Vasos



14208M Socket Set Juego de Vasos



14209M Socket Set Juego de Vasos



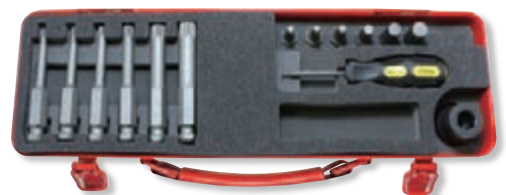
14210M Socket Set Juego de Vasos



14210T Socket Set Juego de Vasos



14210X Socket Set Juego de Vasos



Impact Sockets 1/2"

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 REPUESTO

14241M Socket Set 14241M-05 Juego de Vasos



14241A Socket Set 14241A-05 Juego de Vasos



14242M Socket Set Juego de Vasos



14245M-6P Socket Set 14245M-12P Juego de Vasos



S14240M Display Stand Expositor



14241M 13 Pieces Set/△=2,000g

METAL CASE:W196×H100×T45mm

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:W196×H100×T45mm

Sockets

14405M 12-pt. Sockets
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

14241A 12 Pieces Set/△=2,050g

METAL CASE:W196×H100×T45mm

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

14241A-05 12 Pieces Set/△=2,050g

METAL CASE:W196×H100×T45mm

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:W310×H90×T48mm

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:W310×H90×T48mm

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:W310×H90×T48mm

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:W510×H150×T230mm

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	

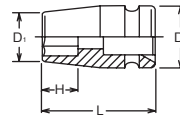
15400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

*1 Pin/O-Ring=A51/B51 → P271



FLAT DRIVE®

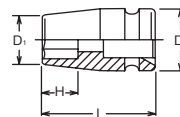
15400M 6-point Sockets Vasos Hexagonales



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=A51/B51 → P271

15400A 6-point Sockets Vasos Hexagonales



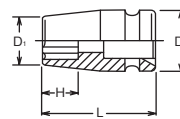
15410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

*1 Pin/O-Ring=A51/B51 → P271



SURFACE DRIVE

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

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

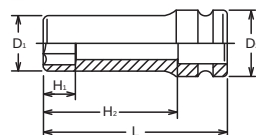
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

15300M 6-point Deep Sockets Vasos Hexagonales Largos



FLAT DRIVE®



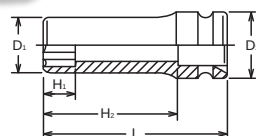
15300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=A51/B51 → P271

15310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



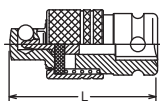
SURFACE DRIVE



15310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=A51/B51 → P271

15555AL Adaptor (Quick Release) Adaptador (Extracción Rápida)

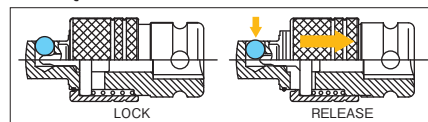


LOCKING
ADAPTOR

	L (mm)	(g)	(pce.)	
15555AL	70	310	1	*1

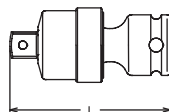
*1 Pin/O-Ring=A51/B51 → P271

Lock & Quick Release



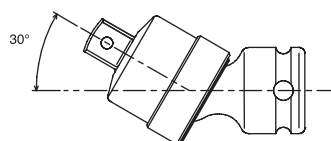
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

15770 Universal Joint Articulación Universal

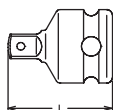


	L (mm)	(g)	(pce.)	
15770	88	420	1	*1

*1 Pin/O-Ring=A51/B51 → P271



15544A Adaptor Adaptador

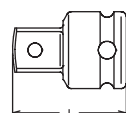


	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15544A	5/8"	1/2"	46	165	1	*1
15544A-P	5/8"	1/2"	46	165	1	*1

*1 Pin/O-Ring=A51/B51 → P271

⚠ 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=A51/B51 → P271

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 Pin/O-Ring=A62/B62

→ P270-271

16405M (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
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

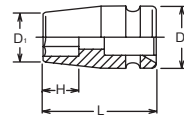
*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 Pin/O-Ring=A62/B62

→ P270-271

16400M • 16400A

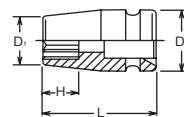
6-point Sockets
Vasos Hexagonales



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



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

Impact Sockets 3/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

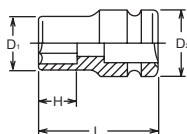
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

*2 C-Ring=C61, Pin/O-Ring=A62/B62

→ P270-271

16401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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
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

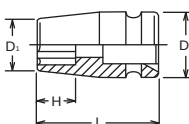
→ P270-271

16410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE



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

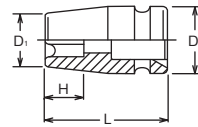
*1 C-Ring=C61, Pin/O-Ring=A61/B61

→ P270-271

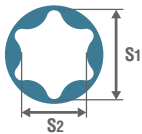
16425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1
E30	38.8	44	25.2	60	480	5	*1
E32	41.3	44	25.2	60	480	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

16425 TORX® Sockets Vasos TORX®



TORX® (E)



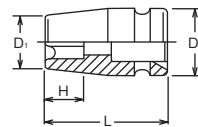
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

16425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	50	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	41.3	44	16.1	60	488	5	*1

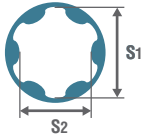
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

16425-EPL TORXPLUS® Sockets Vasos TORXPLUS®

TORXplus®



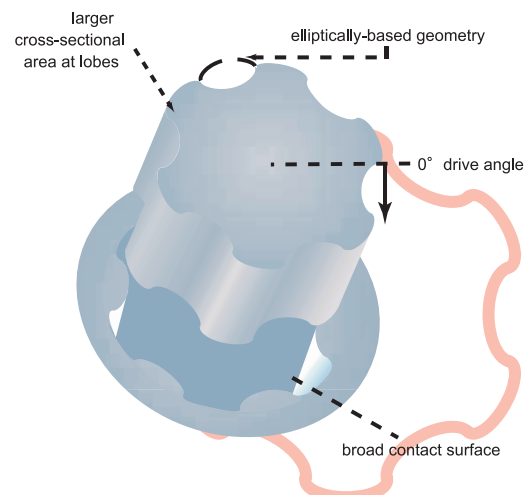
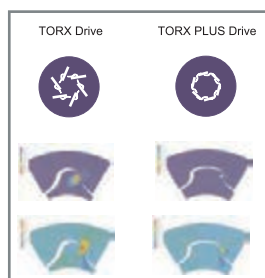
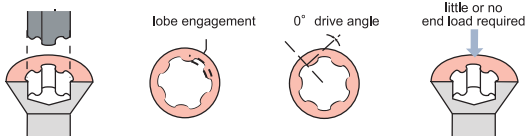
TORXplus® (EP/EPL)



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®



TORX is a registered trademark of CAMCAR Innovations®.
TORX es una marca registrada de CAMCAR Innovations®.

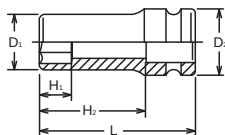
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TORXplus es una marca registrada de CAMCAR Innovations®.

Impact Sockets 3/4"

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 ➔ P270-271

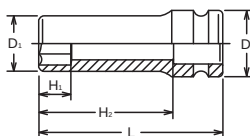
16300M • 16300A



6-point Sockets, Deep
Vasos Hexagonales Largos



FLAT DRIVE®



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 Pin/O-Ring=A62/B62

➔ P270-271

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

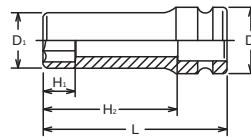
*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 Pin/O-Ring=A62/B62

➔ P270-271

16301M • 16301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada



16301M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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 Pin/O-Ring=A62/B62



16301A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

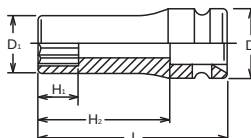
*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 Pin/O-Ring=A62/B62



16305M

12-point Sockets, Deep
Vasos Bihexagonales Largos

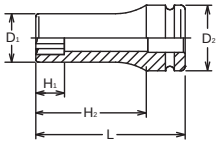


Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Impact Sockets **3/4"**

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

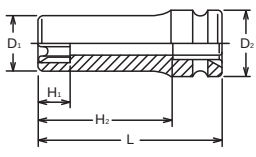
16310M Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos



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 ➔ P270-271

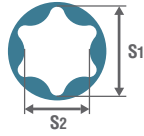
16325 TORX® Deep Sockets
Vasos TORX® Largos



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 ➔ P270-271

**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

3/4" Impact Sockets

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

➔ P270-271

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

➔ P270-271

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

➔ P270-271

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16106	32	44	16	52	370	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61

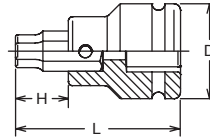
➔ P270-271

16106-SC

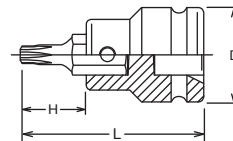


Replacement Screw : M6x10, 3mm

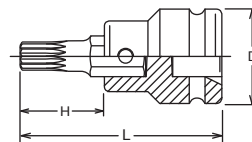
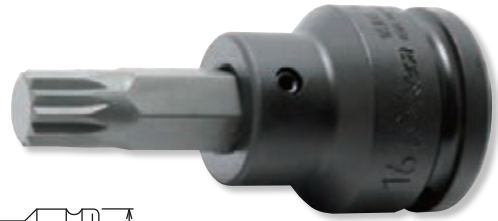
16106-16 Hex Bit Sockets Vasos con Punta Hexagonal



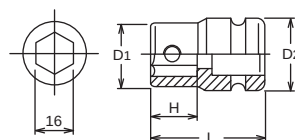
16106-16(T) TORX® Bit Sockets Vasos con Punta TORX®



16106-16(XZN) XZN Bit Sockets Vasos con Punta XZN



16106 Bit Holder, For 107-16 Porta Punta



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

Impact Sockets 3/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

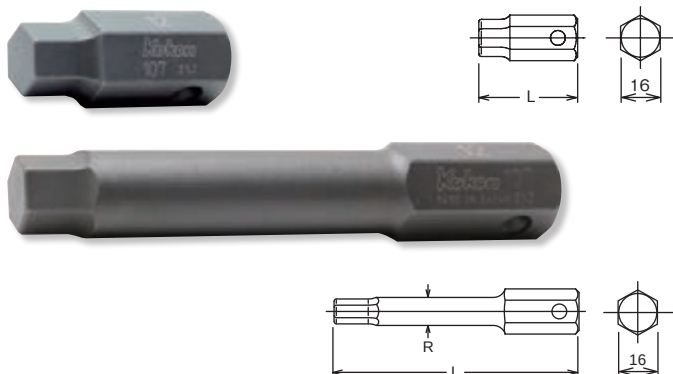
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

107-16 Bits for Inhex Screws Puntas para Tornillos Inhex



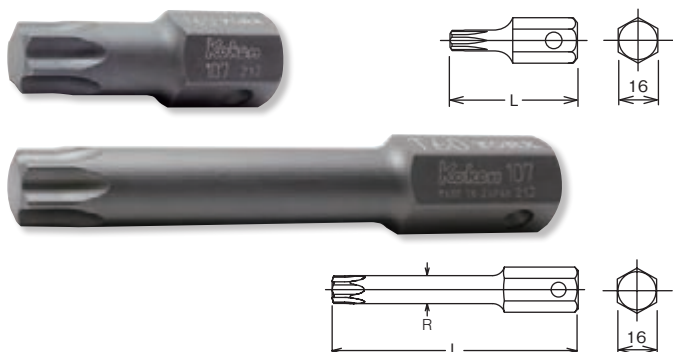
107.16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

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

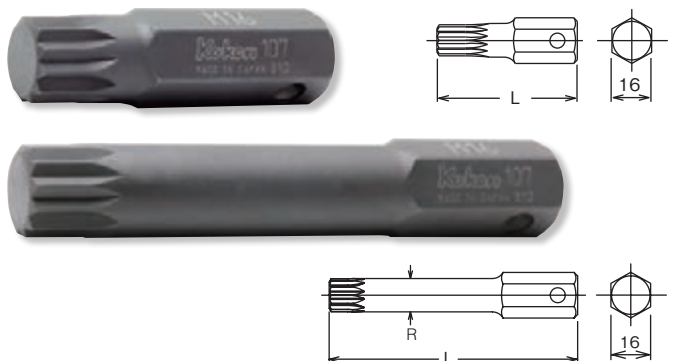
107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

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

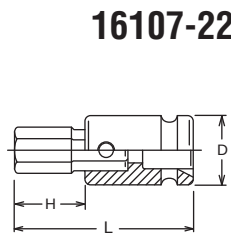
107.16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

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TORXplus® es una marca registrada de CAMCAR Innovations®.

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 → P270-271

⚠ 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

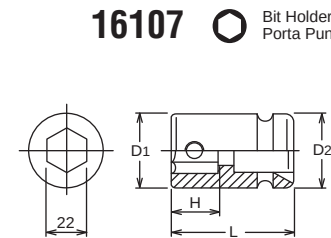


	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16107	44	44	22	60	530	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

16107-SC

Replacement Screw : M8x14, 4mm



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

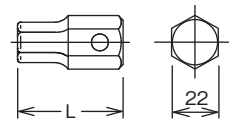
107.22(L140) (mm)	L (mm)	(g)	(pcs.)
17	140	431	5
19	140	441	5
22	140	460	5
24	140	513	5

⚠ 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.

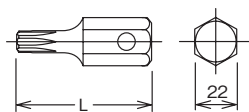
107.22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

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

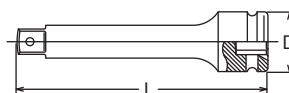
107-22 Bits for Inhex Screws
Puntas para Tornillos Inhex



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 → P270-271

Impact Sockets 3/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

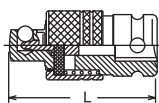
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

16666AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

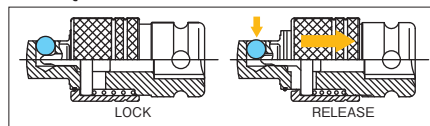


LOCKING
ADAPTOR

	L (mm)	(g)	(pcs.)	
16666AL	75	660	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

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.)	
16644AL	3/4"	1/2"	70	240	2	*1

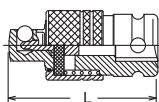
*1 Pin/O-Ring=A51/B51 → P271

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.

16644AL

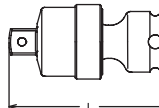
Adaptor (Quick Release)
Adaptador (Extracción Rápida)

No Warranty
Sin Garantía



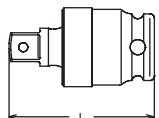
16770

Universal Joint
Articulación Universal



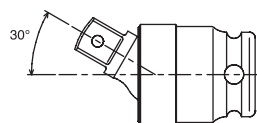
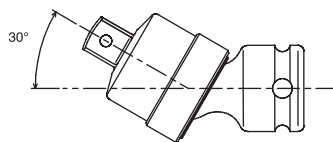
16771

Universal Joint
Articulación Universal



	L (mm)	(g)	(pce.)	
16770	106	790	1	*1
16771	95	720	1	*1

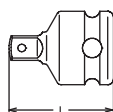
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271



16644A • 16655A

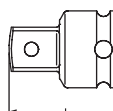
Adaptors
Adaptadores

No Warranty
Sin Garantía



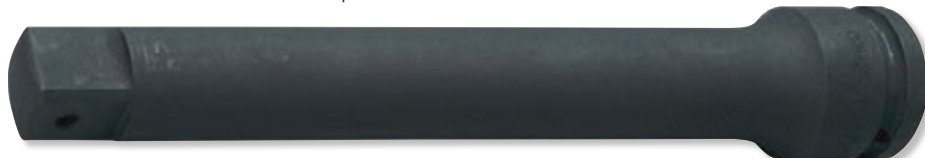
16688A

Adaptor
Adaptador

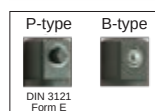


16688A-250 • -330

Adaptors
Adaptadores



	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 → P270-271

Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.

	(sq.)	(sq.)	L (mm)	(g)	(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 → P270-271

16201M • 16201A Socket Sets
Juegos de Vasos



16201M	13 Pieces Set/📐=6,800g
METAL CASE:W320×H110×T70mm	
Sockets	
	16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41

16201A	11 Pieces Set/📐=6,000g
METAL CASE:W290×H120×T70mm	
Sockets	
	16400A 6-pt. Sockets 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2

16201M-01 • 16201A-01 Sockets Sets
Juegos de Vasos



16201M-01	13 Pieces Set/📐=6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
	16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41

16201A-01	11 Pieces Set/📐=5,400g
METAL CASE:W290×H120×T70mm	
Sockets	
	16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2

16245M Socket Sets
Juegos de Vasos



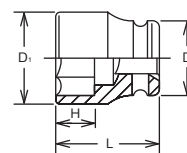
16245M	17 Pieces Set/📐=12,000g
METAL CASE:W580×H124×T70mm	
Sockets	
	16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50
Accessories	
	16760-175
	16760-330

18400M • 18400A

6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



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

→ P270-271

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

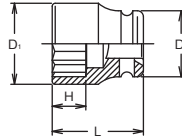
*2 C-Ring=C82, Pin/O-Ring=A82/B82

*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P270-271

18405M • 18405A

12-point Sockets
Vasos Bihexagonales



18405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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
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

*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

→ P270-271

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

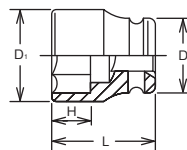
*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P270-271



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

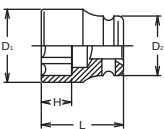
*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P270-271

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

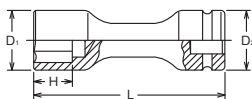
18410M Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



18410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	35.3	54	13	57	570	2	*1
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 ➔ P270-271

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 ➔ P270-271



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	-	90	1458	2	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

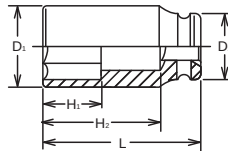
→ P270-271



18301X



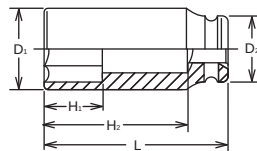
6-point Semi-Deep Sockets, Thin Walled
Vasos Hexagonales Medianos de Pared Delgada



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.)	⚡
17	32.8	54	17	77	108	978	2	*1
19	35.3	54	19	77	108	1010	2	*1
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	57	-	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

*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P270-271

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

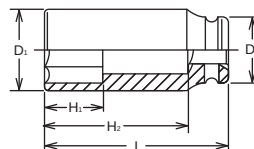
*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P270-271

18301M • 18301A



6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Parad 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

→ P270-271

18301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1	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
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

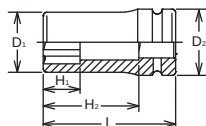
*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P270-271

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

→ P270-271



SURFACE DRIVE

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

➔ P270-271

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

➔ P270-271

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

➔ P270-271

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18106	32	54	16	68	640	2	*1

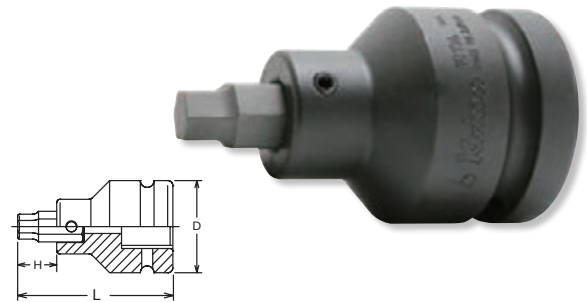
*1 C-Ring=C81, Pin/O-Ring=A81/B81

➔ P270-271

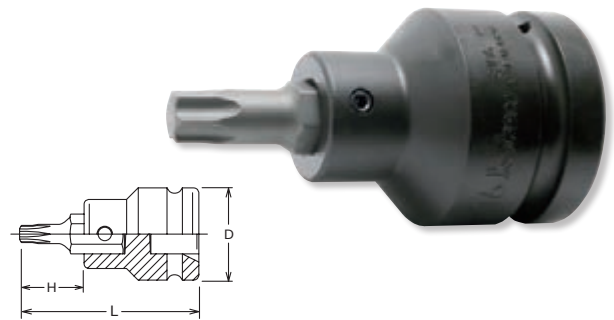
16106-SC

 Replacement Screw : M6x10,  3mm

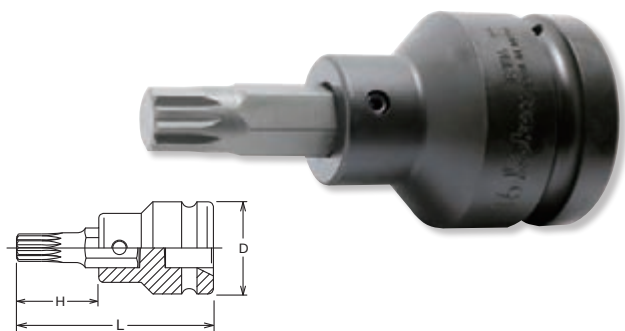
18106-16 Hex Bit Sockets Vasos con Punta Hexagonal



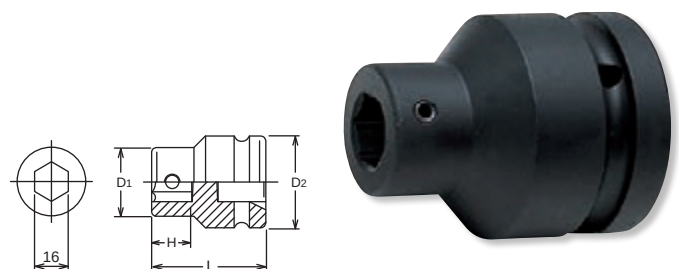
18106-16(T) TORX® Bit Sockets Vasos con Punta TORX®



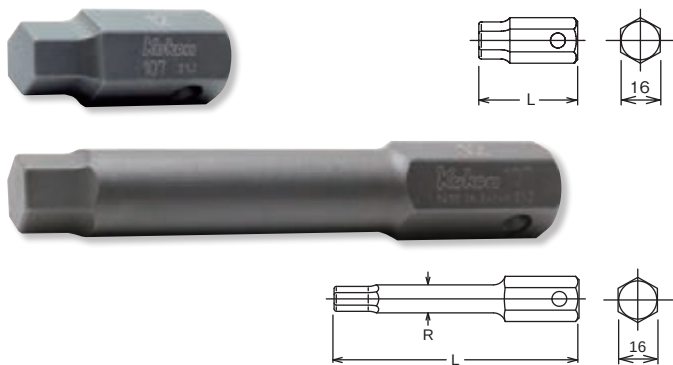
18106-16(XZN) XZN Bit Sockets Vasos con Punta XZN



18106 Bit Holder Porta Punta



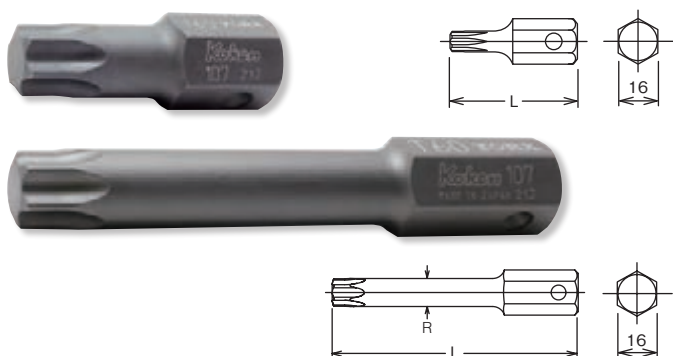
107-16 Bits for Inhex Screws Puntas para Tornillos Inhex



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



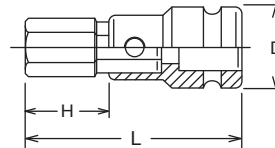
107.16 (XZN)	L (mm)	(g)	(pcs.)	
M14	60	83	10	
M16	60	93	10	
M18	60	103	10	
107.16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

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 → P270-271

⚠ 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



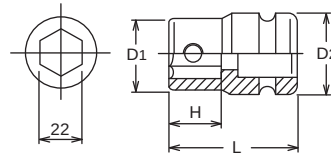
	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18107	44	54	22	70	770	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

16107-SC

Replacement Screw : M8x14, 4mm

18107 Bit Holder Porta Punta



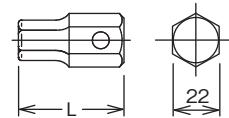
107.22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

107.22 (inch)	L (mm)	(g)	(pcs.)
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.

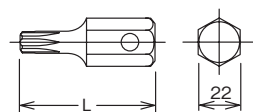
107-22 Bits for Inhex Screws Puntas para Tornillos Inhex



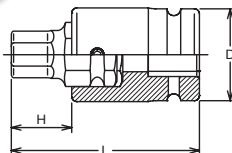
107.22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

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®



18108-32



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

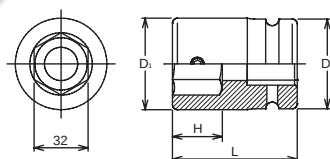
*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271



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



	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18108	55	54	30	75	930	2	*1

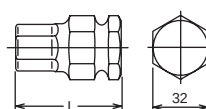
*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

18108-SC



Replacement Screw : M8×12,  4mm

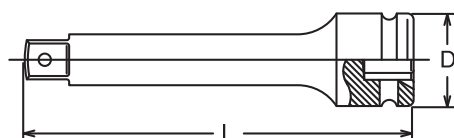
107-32



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)	(pce.)	
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 → P270-271

	L (mm)	(g)	(pcs.)	
18888AL	95	980	2	*1

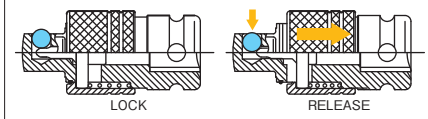
*1 C-Ring=C81, Pin/O-Ring=A81/B81

→ P270-271



LOCKING
ADAPTOR

Lock & Quick Release

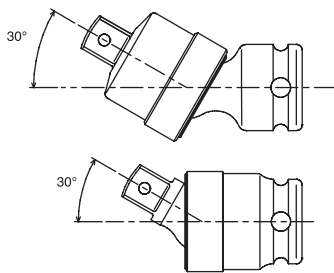


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	L (mm)	(g)	(pce.)	
18770	127	1350	1	*1
18771	115	1210	1	*1

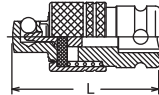
*1 C-Ring=C81, Pin/O-Ring=A81/B81

→ P270-271



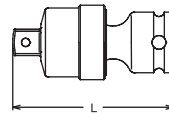
18888AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)



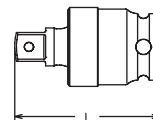
18770

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

→ P270-271

⚠ 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.

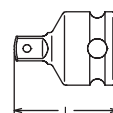
18866A

Adaptors
Adaptadores

No Warranty
Sin Garantía

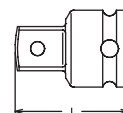


18866A-200



18877A

Adaptor
Adaptador



Impact Sockets 1-1/2"

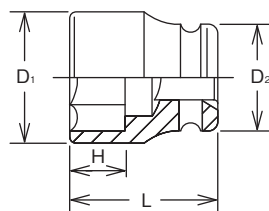
17400M • 17400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



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
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
5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
6. 1/2	205	127	94	175	17500	1	*2

*1 C-Ring=C71, Pin/O-Ring=A71/B71

*2 Pin/O-Ring=A72/B72



1-1/2" Impact Sockets

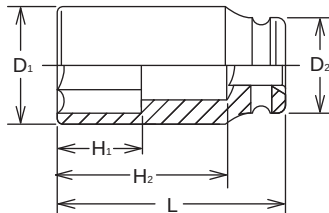
17405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
55	85	86	44	90	2450	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	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

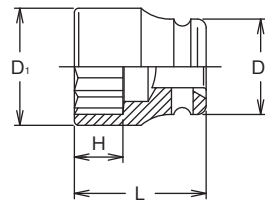
*1 C-Ring=C71, Pin/O-Ring=A71/B71

*2 Pin/O-Ring=A72/B72

➔ P270-271



17405M • 17405A 12-point Sockets Vasos BiHexagonales



17300M • 17300A 6-point Deep Sockets Vasos Hexagonales Largos



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

➔ P270-271

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

➔ P270-271

Impact Sockets 1-1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

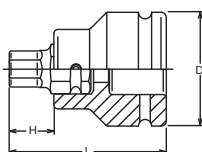
PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

CONSTRUCTION
CONSTRUCCIÓN

17108-32 Hex Bit Sockets Vasos con Punta Hexagonal

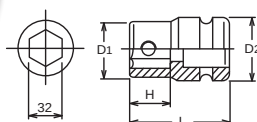


17108.32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pce.)	
19	86	30	115	2500	1	*1
22	86	30	115	2520	1	*1
24	86	30	115	2530	1	*1
27	86	30	115	2560	1	*1
30	86	30	115	2590	1	*1
32	86	30	115	2610	1	*1
36	86	30	115	2660	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P270-271



17108 Bit Holder, For 107-32 Porta Punta



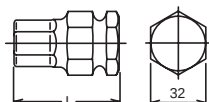
	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
17108	60	86	30	85	2200	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P270-271

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.

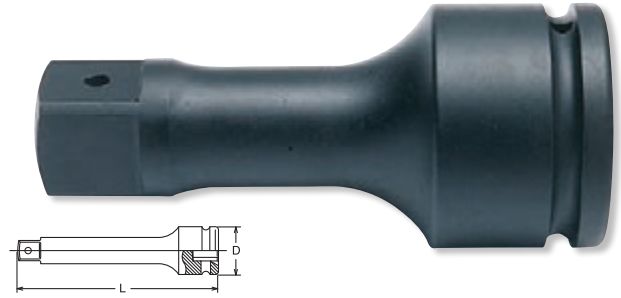


1-1/2" Impact Sockets

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 → P270-271

17760 Extension Bars Alargaderas



	L (mm)	(g)	(pce.)	
17770	200	4700	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P270-271

17770 Universal Joint Articulación Universal



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17788A	1.1/2"	1"	98	2600	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P270-271

⚠ 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 **⚠**



	(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 → P270-271

17799A Adaptor Adaptador



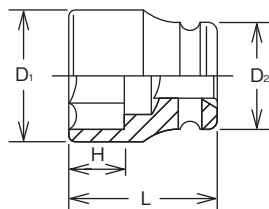
Impact Sockets 2-1/2"

19400M • 19400A

6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



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



2-1/2" Impact Sockets

19300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	
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

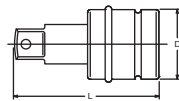
*2 Pin/O-Ring=A92/B92

→P271

19760	D (mm)	L (mm)	(g)	(pce.)	
250	127	250	17800	1	*1
500	127	500	27800	1	*1

*1 Pin/O-Ring=A91/B91

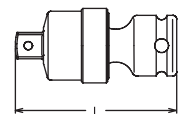
→P271



	L (mm)	(g)	(pce.)	
19770	303	21360	1	*1

*1 Pin/O-Ring=A91/B91

→P271

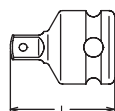


	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
19977A	2.1/2"	1.1/2"	145	7210	1	*1

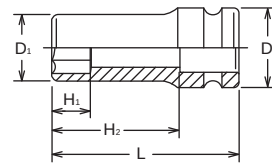
*1 Pin/O-Ring=A91/B91

→P271

⚠ 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

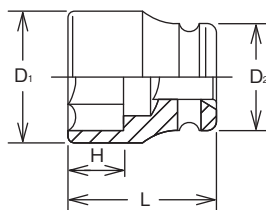
Impact Sockets 3-1/2"

10400M • 10400A

6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



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

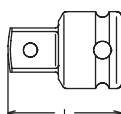
*2 Pin/O-Ring=A02/B02

➔ P271

10099A

Adaptor
Adaptador

No Warranty
Sin Garantía



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
10099A	3.1/2"	2.1/2"	182	16870	1	*1

*1 Pin/O-Ring=A01/B01

➔ P271

⚠ 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.



Sleeve Drive Sockets

3/8"

1/2"

3/4"



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.

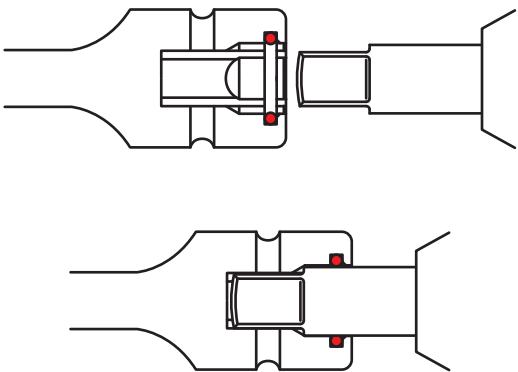
Sleeve Drive Sockets

Wrenches

O-Ring

SLEEVE DRIVE SOCKET

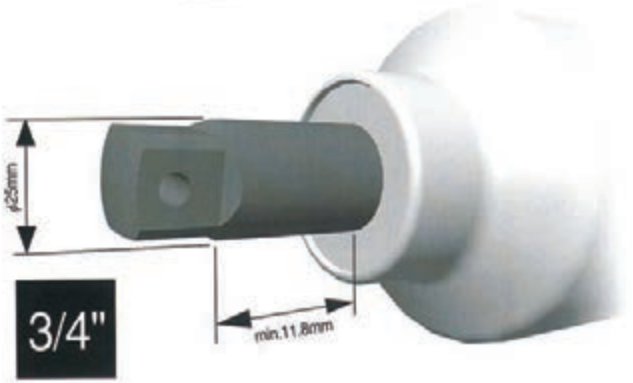
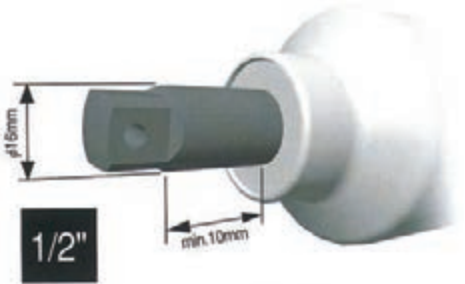
PULSE TOOL



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

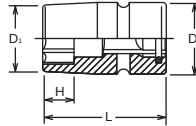
➔ P270-271



FLAT DRIVE®

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

➔ P270-271

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

➔ P270-271

NV13145-100 • -150 • -200

Extended Sockets
Vasos con Alargadera



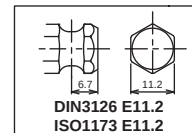
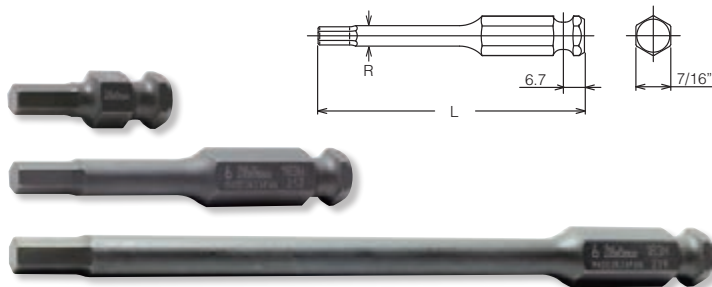
NV13760-P

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 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

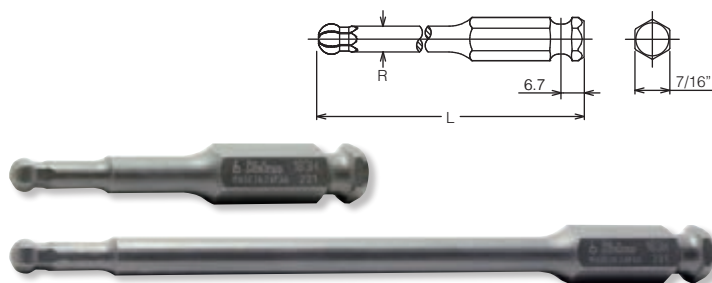
⚠ The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

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

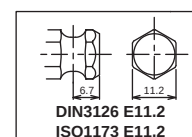
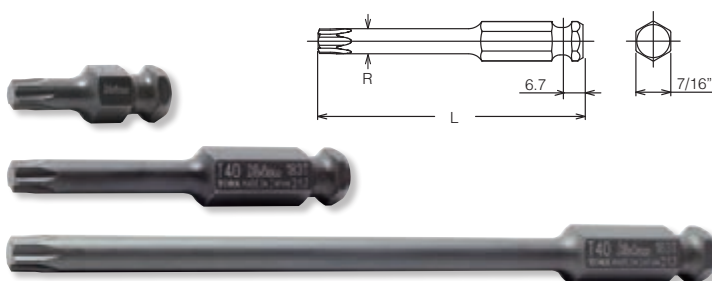
Ball point Hex Bits
Puntas Hexagonales con bola

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

⚠ 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 • -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.

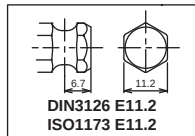
3/8", 1/2"

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

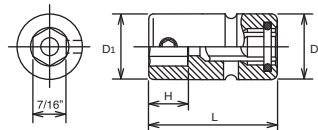
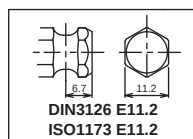
183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

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.

	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 ➔ P270-271

For
DIN3126 / ISO1173 E11.2 Bits



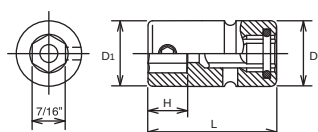
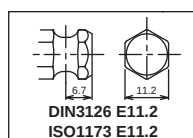
13134-SC

Replacement Screw : M8x6, ● 4mm

	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 ➔ P270-271

For
DIN3126 / ISO1173 E11.2 Bits



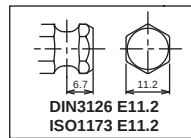
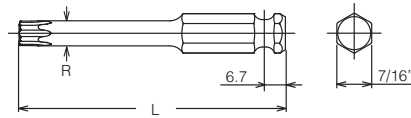
13134-SC

Replacement Screw : M8x6, ● 4mm

183T-35 · -75 (IP)

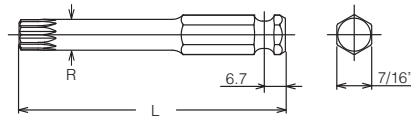
TORXPLUS® Bits
Puntas TORXPLUS®

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

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

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

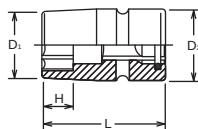
NV14400



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



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

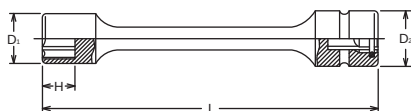
*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P270-271

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

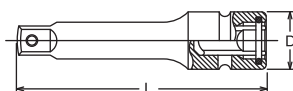
NV14145-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	200	236	1	*1
12	18	25	12	200	250	1	*1
13	19	25	13	200	260	1	*1
14	21	25	14	200	270	1	*1
15	22	25	15	200	275	1	*1
16	24	25	15	200	287	1	*1
17	25	25	15	200	300	1	*1
18	26	25	15	200	310	1	*1
19	28	25	15	200	320	1	*1

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

➔ P270-271

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

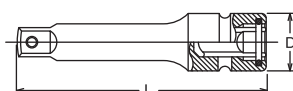
*1 C-Ring=C41, Pin/O-Ring=A41/B41

➔ P270-271

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

➔ P270-271

⚠ 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

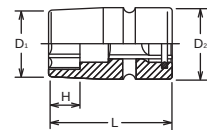
NV16400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	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 ➔ P270-271

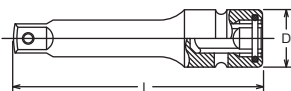


FLAT DRIVE®

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 ➔ P270-271

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

C-Ring Lock Clamps and Pullers

Aro de Sujeción en C y Extractor

Z-SERIES

HAND

MANUALES

TITANIUM

DE TITANIO

ACCESSORIES

ACCESORIOS

IMPACT

DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL

INDUSTRIALES

PROTECTOR

PROTECTORES

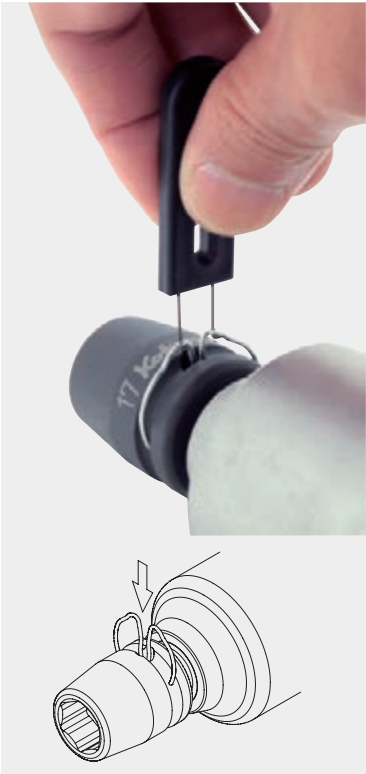
AUTOMOTIVE

CONSTRUCTION

CONSTRUCCIÓN

RENEWAL KITS

JUEGOS DE PIEZAS REPUESTO



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.

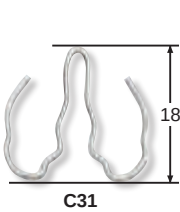


C-RING

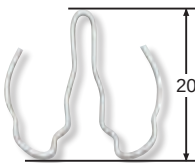


C-Ring

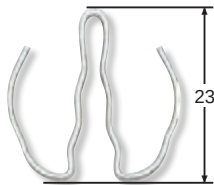
No.	Opening (mm)	Opening (mm)	(pcs.)
C31	3/8"	≤12	100
C32	3/8"	>12	100
C41	1/2"	≤14	100
C42	1/2"	>14	100
C61	3/4"	≤46	100
C81	1"	≤46	100
C82	1"	47-70	50
C83	1"	>70	50
C71	1-1/2"	≤90	50



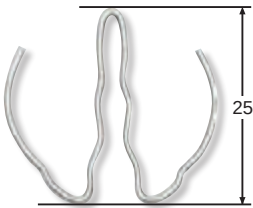
C31



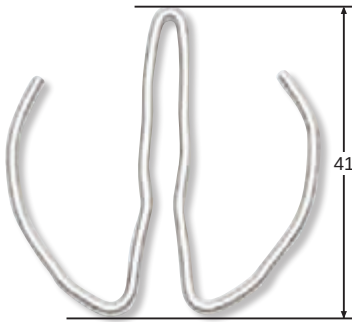
C32



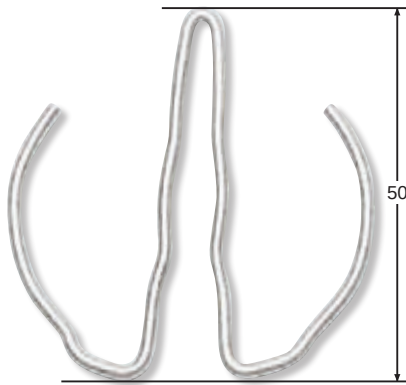
C41



C42



C61



C81

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

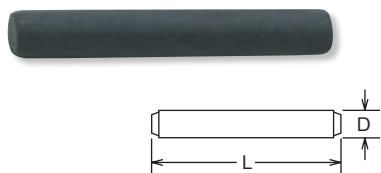
No.	Opening (mm)	Opening (mm)	(pcs.)
149	3/8"	1/2"	10
152	3/4"	1"	10



149

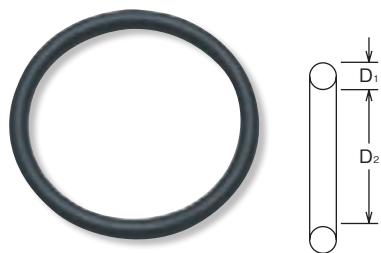


152



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)	D1 (mm)	D2 (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



Pins & O Rings/C-Ring Lock Clamps

Pasadores y Juntas Tóricas/Aros de Sujeción en C

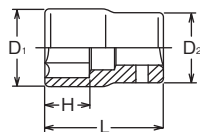
IMPACT Standard Sockets	Sq. Dr. size													
		1/4"		3/8"		1/2"		3/4"		1"			1-1/2"	
		C-Ring		C31	C32	C41	C42	C61		C81	C82	C83	C71	
		Pin/O-Ring	A21/B21	A31/B31	A32/B32	A41/B41	A42/B42	A61/B61	A62/B62	A81/B81	A82/B82	A83/B83	A71/B71	A72/B72
4			●											
4.5	3/16		●											
5			●											
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"

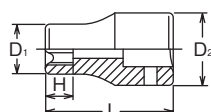
22400M

6-point Sockets
Vasos Hexagonales

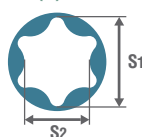
FLAT DRIVE®

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

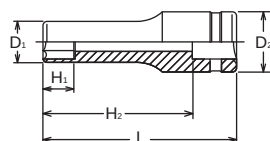
TORX® Sockets
Vasos TORX®

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

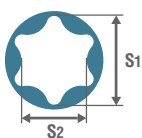
23400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.3	6.9	26	22	10
3/8	13.9	17.3	8	26	22	10
7/16	15.8	17.3	9.3	26	25	10
1/2	18	17	9.4	26	24	10
9/16	19.5	18.5	11	27	31	10
11/16	24.6	22.5	13	30	51	10
3/4	26	23.5	13.5	30	63	10

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)



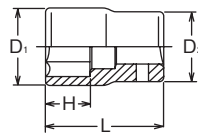
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3



FLAT DRIVE®

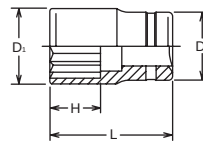
23400M • 23400A

6-point Sockets
Vasos Hexagonales



23405M

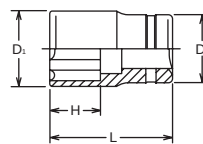
12-point Sockets
Vasos Bihexagonales



SURFACE DRIVE

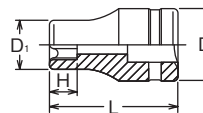
23410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



23425

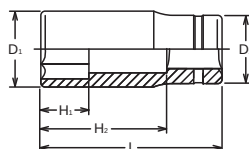
TORX® Sockets
Vasos TORX®



23300M • 23300A

6-point Sockets, Deep
Vasos Hexagonales, largos

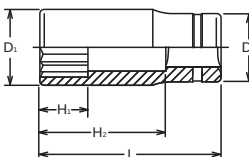
FLAT DRIVE®



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

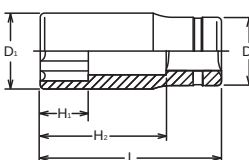
12-point Deep Sockets
Vasos Bihexagonales Largos

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

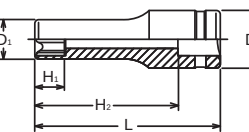
Surface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos

SURFACE DRIVE



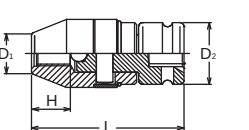
23310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	80	10
17	23.5	22	18	40.5	55	96	10

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.)	
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 → P270-271

This item is not suitable for impact drivers.

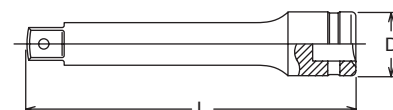


Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.

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

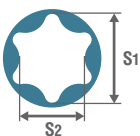
24400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	5

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)



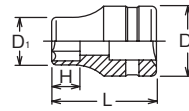
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3



FLAT DRIVE®

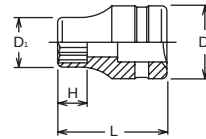
24400M • 24400A

6-point Sockets
Vasos Hexagonales



24405M

12-point Sockets
Vasos Bihexagonales

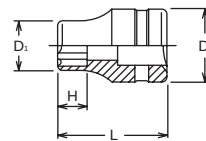


24410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

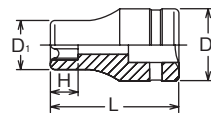


SURFACE DRIVE



24425

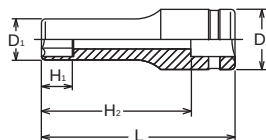
TORX® Sockets
Vasos TORX®



24300M • 24300A

6-point Sockets, Deep
Vasos Hexagonales, largos

FLAT DRIVE®



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

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

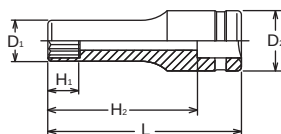
24310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	160	10
19	26.5	25	20	58	77	177	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 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	(°)
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 → P270-271

⚠ 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.

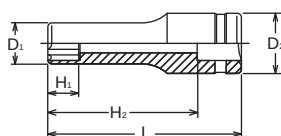
24305M

12-point Deep Sockets
Vasos Bihexagonales Largos

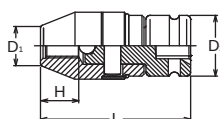
24310M

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

SURFACE DRIVE



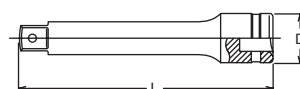
24103M

Stud Bolt Setters
Vasos para apretar pernos

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



Sockets with Turnable Plastic Protectors

3/8"
1/2"
◆ 1/4"

10 Koken

10 Koken

Plastic Protector Protectores Plásticos

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



PROTECTOR
SOCKET

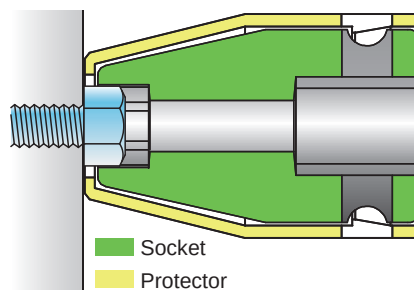
Safety

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.

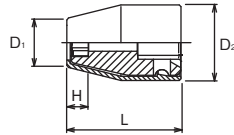


3/8" Plastic Protector Protectores Plásticos

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



FLAT DRIVE®



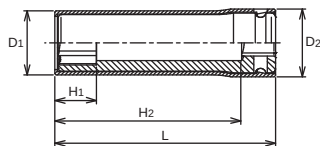
13400M-FR



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



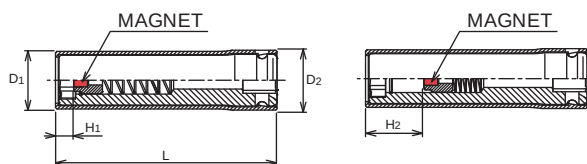
13300M-FR



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



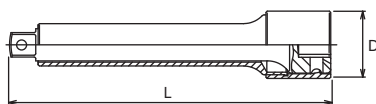
Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo



	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.

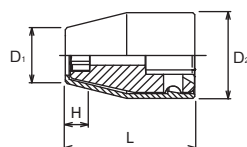
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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
15FR	26.6	33	11	39.3	135
16FR	27	33	10	39.3	135
17FR	28.2	33	12	39.3	135
18FR	30.2	33	13	39.3	135
19FR	31	33	13	39.3	130

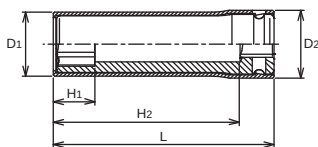


14300M-FR

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
18FR	29.8	33	18	62	81.3	237
19FR	31	33	20	62	81.3	245



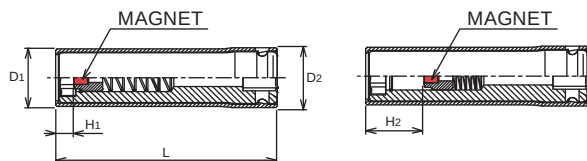
14300G-FR



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

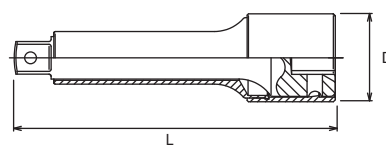


14760-P.FR

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

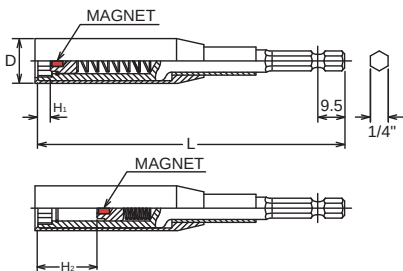
113.100 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	100	43
10SV	16.9	7	100	47
12SV	19.4	8	100	54
13SV	20.4	8	100	55
14SV	21.3	9	100	55

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

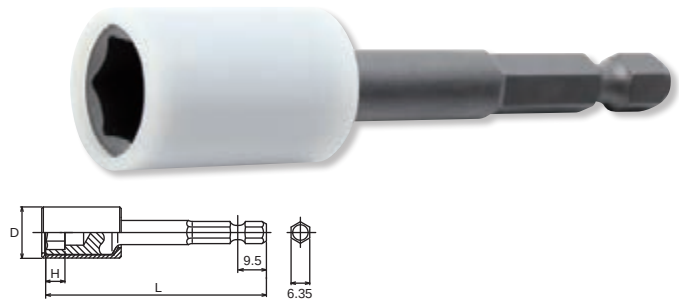


115G.100 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	100	55
10FR	16.9	4.5	26	100	60
12FR	19.3	6	26	100	80
13FR	20.4	6.5	25	100	85
14FR	21.3	7	24	100	85

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

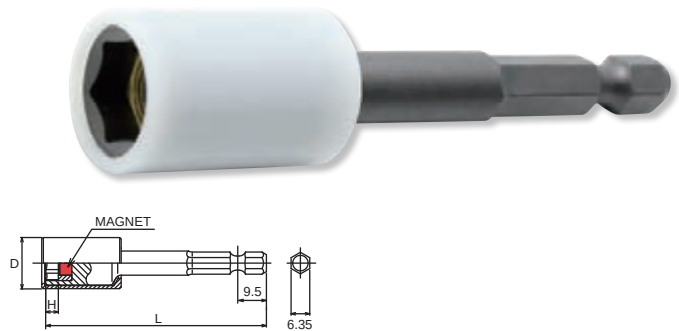
113-75SV · -100SV · -150SV

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.

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



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

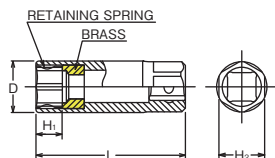
Remove a damaged Protector and put a new Protector on socket / extension bar by pressing.
For your safety, worn out or cracked Protector must be replaced.

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

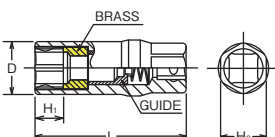


3300C • 4300CSpark Plug Sockets with Spring Clips
Llaves de Bujía con PresillasSPARK PLUG
SOCKET

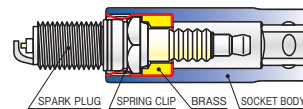
3300C (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
13		17.5	11	17	70	66	10
14	3/8"	19	11	17	70	82	10
16		20.5	13	17	70	91	10
18		23.9	12	21	70	140	10
20.8		26.9	13.5	22	70	132	10

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.

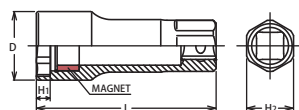
3300CBSpark Plug Socket (BMW)
Llave de Bujía (BMW)SPARK PLUG
SOCKET

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.

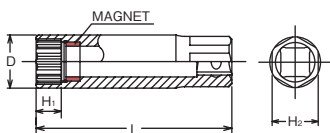
3300PSpark Plug Socket with Magnet
Llaves de bujía con Imán

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.

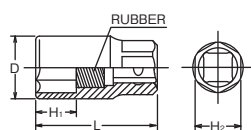
3305PSpark Plug Socket with Magnet, 12-point Opening
Llaves de bujía con Imán, Boca Bi-hex

3305P (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
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

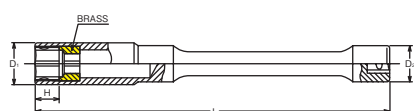


The magnet could be broken with any impacts. Please handle with care.

3300S • 4300SSpark 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



SPARK PLUG SOCKET

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.

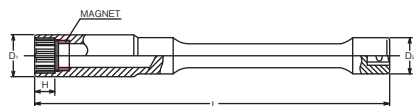
3300C-180 • -250

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



3305P-250

⚠ Spark Plug Socket with Magnet, 12-point Opening
Llave de bujía con Imán, Boca Bihex



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.

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

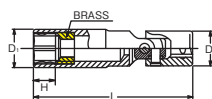
⚠ Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

3340C • 4340C

⚠ Universal Spark Plug Sockets with Spring Clips
Llaves de bujía con Presillas con Articulación Universal ⚠



SPARK PLUG SOCKET



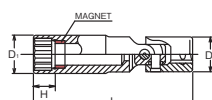
3345P

⚠ Universal Spark Plug Socket with Magnet, 12-point opening
Llave de bujía con Imán con Articulación Universal, Boca Bihex



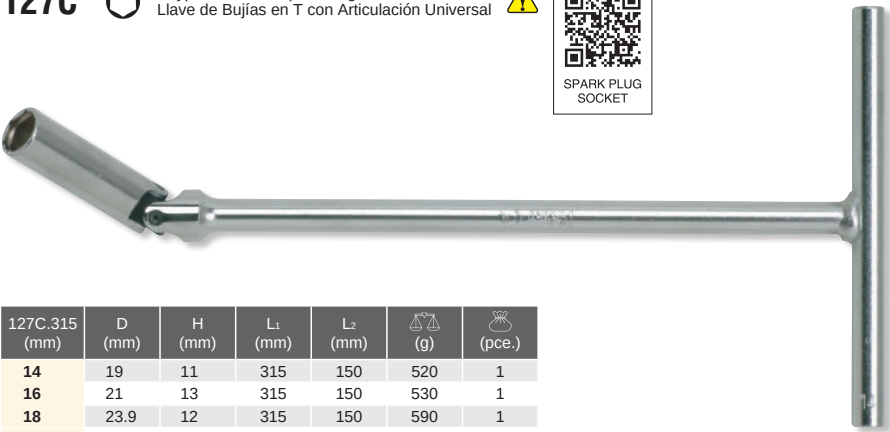
3345P (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	19	8	88	110	10

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



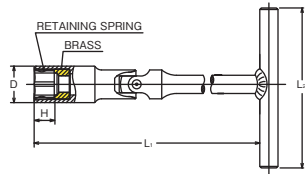
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
SLEEVES
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

127C T-type Universal Spark Plug Socket Wrench
Llave de Bujías en T con Articulación Universal

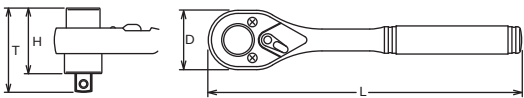


127C.315 (mm)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
14	19	11	315	150	520	1
16	21	13	315	150	530	1
18	23.9	12	315	150	590	1
20.8	26.8	13.5	315	150	590	1

 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



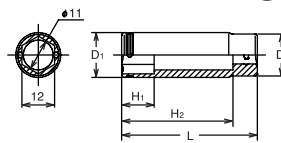
3225A 4 Pieces Set/△=960g	
METAL CASE:W215×H80×T47mm	
Sockets	Accessories
 3300C Spark Plug Sockets 16, 20.8	 3751J-25  3763-125



2350G-PSG (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
12	1/4"	16.5	15.5	12	41	50	41	10



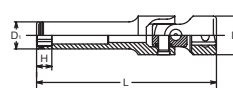
NUT GRIP®

2350G-12PSGSockets for PSG-Glow Plugs
Vasos para PSG-Bujías de pre-calentamiento


3341G-70 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10		14.5	19	6	70	76	10
11	3/8"	15.8	19	6	70	80	10
12		17	19	6	70	85	10



NUT GRIP®

3341G-70 · -89Universal 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)	(g)	(pcs.)
8		12	19	7.5	89	82	10
9	3/8"	13.3	19	7.5	89	87	10
10		14.5	19	6	89	92	10
12(DP52)		17	19	14	89	101	10

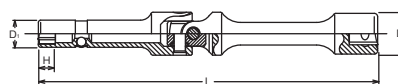
GLOW PLUG SOCKETS, NUT GRIP®

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

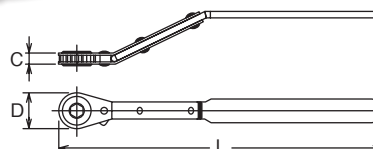
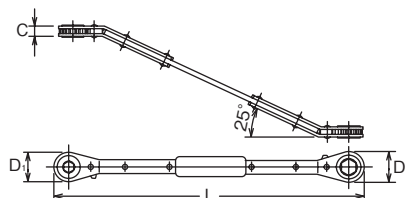
El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable



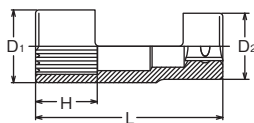
3342G-150 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	12	18	7.5	150	137	10

3342G-150Deep length universal Glow Plug Socket
Llave de Calentador Larga con Articulación Universal


144KM (mm)	L (mm)	D ₁ (mm)	C (mm)	(g)	(pce.)
8	200	22.7	7.5	95	1
12	200	22.7	7.5	102	1

144KMFor Glow Plugs
Para Calentadores
**148KM**For Glow Plugs
Para Calentadores


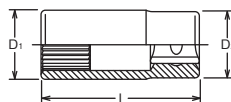
148KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pce.)
8S×12	245	23.6	24.6	9	187	1

SP4305M-77Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel

SP4305M.77 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
27	1/2"	36.5	33	28	77	212	5

SP4305M.77-27

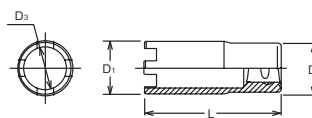
For fuel injection pump of BMW diesel cars.

4133Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel

		D ₁ (mm)	D ₂ (mm)	L (mm)	 (g)	 (pcs.)
4133	1/2"	23.9	23	55	86	10

4133

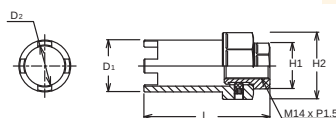
For fuel injection pump of M.B diesel cars.

4122-72Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel

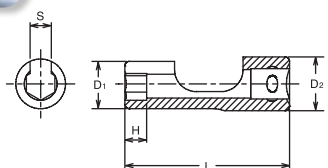
4122.72 (mm)		D ₁ (mm)	D ₂ (mm)	D ₃ (mm)	L (mm)	 (g)	 (pcs.)
22	1/2"	28.5	27	22	72	150	10

4122.72-22

For M.B Trucks, Holder nut of injection post.

SP4122-69Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel

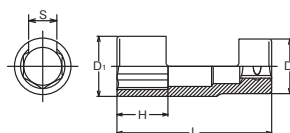
SP4122.69 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
22	28.4	22	22	32	69	185	5

3300FNFlare Nut Sockets
Llaves de vaso para entubar

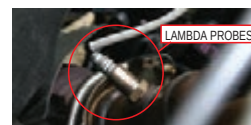
3300FN (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)	 (g)	 (pcs.)
8	3/8"	14.5	17.3	6	53	6.4	38	10
9		16	17.3	7	53	6.8	41	10
10		16.8	17.2	7.5	53	7.2	42	10
11		18	17	8.5	53	8.3	42	10
12		20	18	9	53	8.8	50	10
13		21.1	20	9.5	62	9.4	66	10
14		22	20	10.5	62	10.5	66	10
15		23	22	11	70	11.5	82	10
16		24	23	11.5	70	12	90	10
17		25	24	12.5	80	13	110	10
18		27	25	13	80	13.5	120	10
19		28	26	14	80	14.5	130	10
21		30	27.5	15	80	15.5	170	10
22		32	29.5	16	80	16	180	10
24		34.5	31.5	17	80	17	200	10

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

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

SP4300M-85Special socket for Lambda Probes
Vaso Especial para Sensores Lambda**SP4300M-110**

		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)	 (g)	 (pcs.)
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

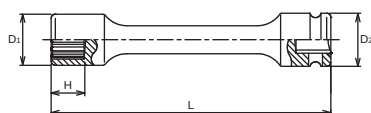


Cylinder head bolt socket for TOYOTA
4010M(12P) is Double Hex bit socket.
XZN(Triple Square) bit socket has different shape.

		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.

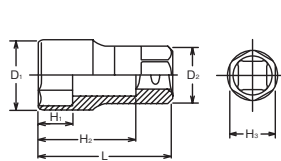
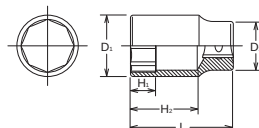
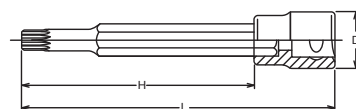
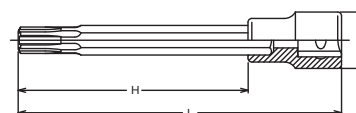


13145M.150 (12P) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	3/8"	15.8	19	10	150	120	1	*1
12		18.3	19	12	150	128	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡ P270-271

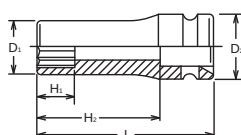
16305M (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
14	3/4"	26.3	44	14	74	100	500	2	*1
17		30	44	17	74	100	544	2	*1
19		32.5	44	19	74	100	655	2	*1
22		36.3	44	22	74	100	700	2	*1

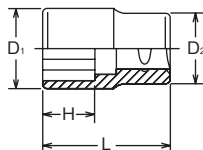
*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡ P270-271

4300H Oil Pressure Switch Sockets
Vasos para Presostatos de Aceite**4300H (8P)** 8-point Socket
Vaso Octagonal**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

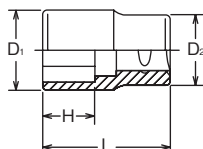
*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡ P270-271

16305M 12-point Sockets, Deep
Vasos BiHexagonales Largos

4109M Double Square Sockets
Vasos Octagonales

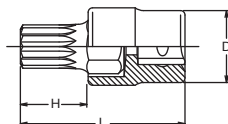
4109M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		26.8	26	11	38	110	10
17		30	28	12.5	40	140	10
19		31.5	29	14	40	150	10
21.5		35	32	16	40	170	10
23		37	34	16.5	43	180	10

4109M series
For Lubrication service

4111M 6-point Socket
Vaso Hexagonales

4111M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
24		32	30	17	40	133	10

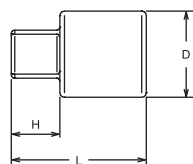
4111M
For Lubrication service

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		24	20	60	135	10

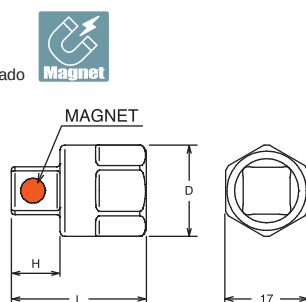


4020-60-MH16
Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

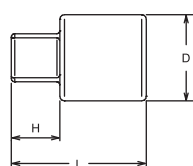
3110M • 3110A 4-point Male Sockets
Vasos con Macho Cuadrado

3110M (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
6		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		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.)
8		19	10	28	31	10
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		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
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		24	10	32	62	10
1/2		24	10	32	64	10

158

For Lubrication Service
Para Lubricación



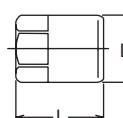
158 (mm)	L ₁ (mm)	L ₂ (mm)	d (mm)	(g)	(pcs.)
8S×10S	63	230	13	319	1



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/7 Piezas Set/426g

METAL CASE: W190×H59×T45mm

Sockets



106 Drain Plug Keys
8S×10S, 8H×3/8H, 10H×11H, 12H×13H, 14H×17H, 19H



4102 Drain Plug Key Adaptor

4202

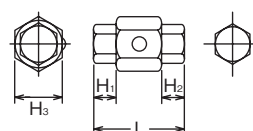
Drain Plug Keys Set
Juego de Llaves de Tapón de Vaciado



106 (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
8S×10S	8	8	17	32	40	10
8H×3/8H	8	8	17	32	38	10
10H×11H	8	8	17	32	42	10
12H×13H	8	8	17	32	47	10
14H×17H	8	8	17	32	55	10
19H	-	8	17	24	49	10

106

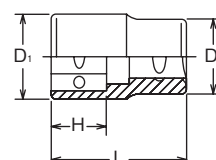
4-point / 6-point Male bits
Puntas Macho Cuadrado / Hexagonal



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

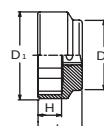


3400M.24 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
27		36.5	21.5	13.5	24	76	10
30	3/8"	40	25	13.5	24	91	10
32		42.8	28	13.5	24	108	10
36		47.2	32	13.5	24	135	10

3400M.24 Series
For Oil Filter

3400M-24

6-point Sockets
Vasos Hexagonales



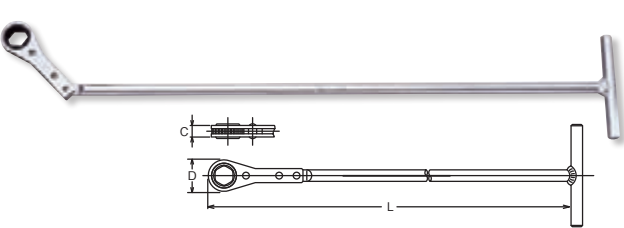
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
RENEWAL KITS
CONSTRUCTION
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

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

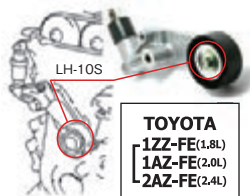


150.14H (mm)	D (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10

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

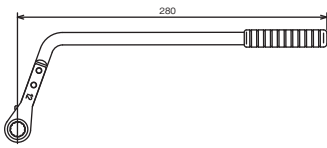


4282		4 Pieces Set/⚖️=449g
PLASTIC BAG		
Sockets		
4020.100-M10 4020.140-M10		
4025.100R-T50		
185		



Generator Service Set
For removing and installing belt pulley at the generator.

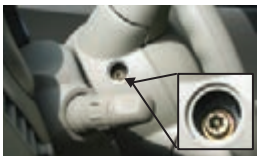
1210 • 1210E

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	

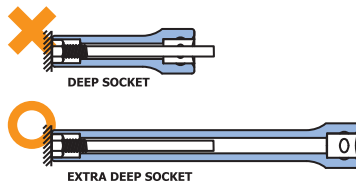


BUMPER BOLT



DOOR HINGE

Extra Deep Socket
Extra deep socket can be used to fasten or loosen longer bolts such as Bumper bolt and Door hinge etc.

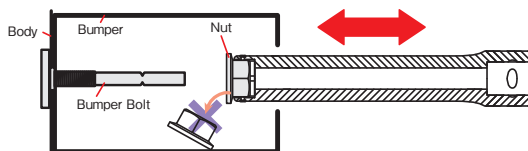


3300M/4-L120

Socket Set
Juego de Vasos

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

Nut Grip Extra Deep Socket

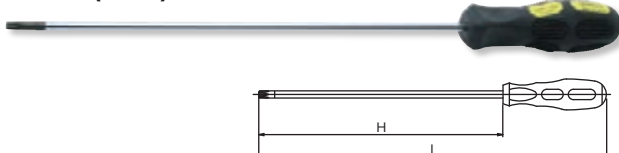
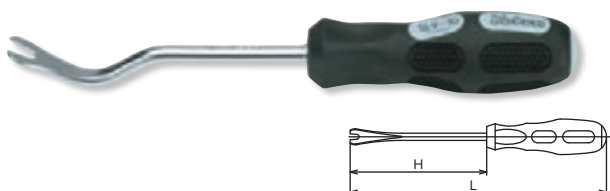
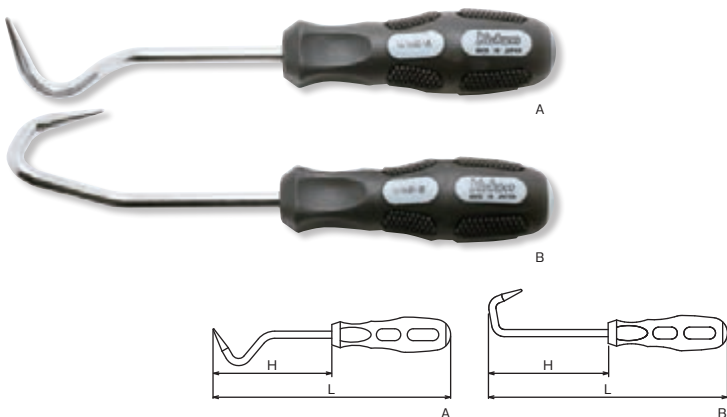


3350M/2-L120

Socket Set
Juego de Vasos

NUT GRIP®



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



Long shank Screw Screwdriver

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

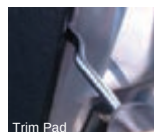
169/2 2 Pieces Set/⚖️=200g

PLASTIC BAG

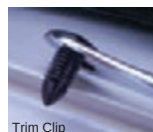
Clip Handles

169
6, 10

169	H (mm)	L (mm)	(g)	(pcs.)
6	115	215	80	2
10	120	230	110	2



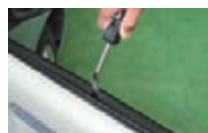
Trim Pad



Trim Clip

Clip Handle

169WM	H (mm)	L (mm)	(g)	(pcs.)
169WM	100	210	90	2



Window Molding Remover

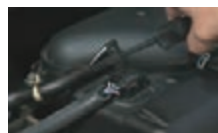
169HR/2 2 Pieces Set/⚖️=180g

PLASTIC BAG

Hose Remover

169HR
A, B

169HR	H (mm)	L (mm)	(g)	(pcs.)
A	100	200	75	2
B	100	200	90	2



Hose Remover

169BP	T×W (mm)	H (mm)	L (mm)	(g)	(pcs.)
1.8×13	1.8×13	50	150	60	2



For Battery screw



Quick Fastener

TORX is a registered trademark of CAMCAR Innovations®.
TORX es una marca registrada de CAMCAR Innovations®.
TORX is a registered trademark of CAMCAR Innovations®.
TORX es una marca registrada de CAMCAR Innovations®.

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 → P270-271

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 → P270-271

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

*2 C-Ring=C41, Pin/O-Ring=A41/B41



UNIVERSAL
DOUBLE JOINT

⚠ 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

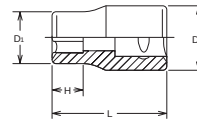
*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271



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

		T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6101	3/4"	6.4×33.5	35	50	205	5

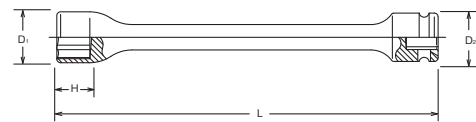
4425-N TORX® Sockets For Nut/Low Profile Head Bolt



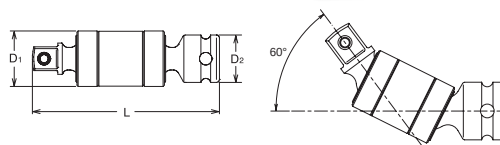
RS4425/6-N Socket Set on Rail Juego de Vasos en Regleta



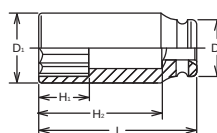
13145A-150 14145A-150 Extra Long Sockets Vasos Extra-Largos



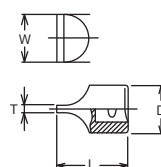
13772 14772 Universal Double Joint Articulación Universal



14305M 12-point Deep Sockets Vasos Bihexagonales Largos



4101 · 6101 Sockets for Slotted Heads Vasos para Cabeza Ranurada



4400M-DU Rear Wheel Nut Socket



4400M		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
41DU	1/2"	53	45	15	28	240	5
46DU		59	48	15	28	280	5



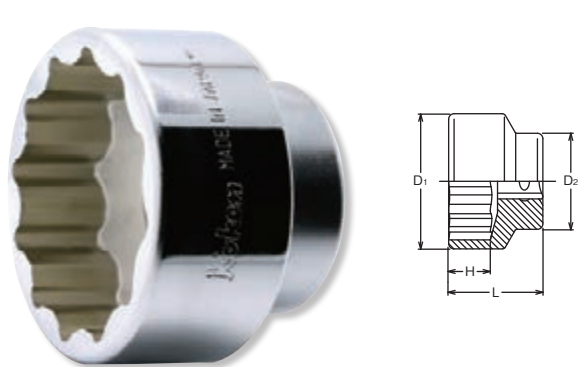
4405M-DU Rear Wheel Nut Socket



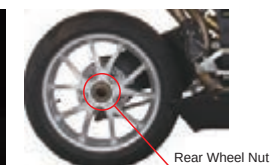
4405M		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
36DU	1/2"	47.3	41	15	28	200	5
55DU		71	52	16	31	410	5



6405A-MV Rear Wheel Nut Socket



6405A		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
2.3/16MV	3/4"	74.6	53	23	52	790	2



Rear Wheel Nut

4012M-43 Inhex Sockets Vasos Inhex



4012M.43 (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
20	1/2"	26	11.5	43	130	10
21		26	11.5	43	140	10
22		26	11.5	43	145	10
24		28	11.5	43	170	10
27		32	11.5	43	226	10



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



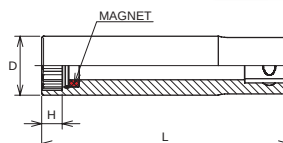
 The magnet could be broken with any impacts. Please handle with care.

	D (mm)	d (mm)	L (mm)	(g)	(pcs.)
155	22	10	170	100	10

3305P-12

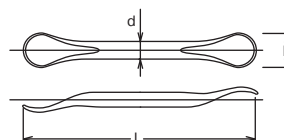


Spark Plug Socket with Magnet, 12-point Opening
Llaves de bujía con Imán, Boca Bihex



155 Tyre Lever

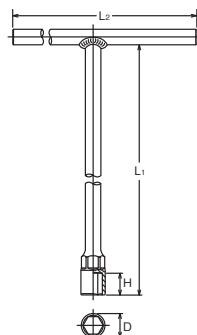
Llave de Neumáticos



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



For PH Screws
Para Tornillos PH

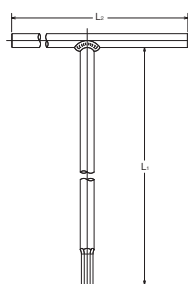
157T



For TORX® Screws
Para Tornillos TORX®

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

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



14201M

14145PM-110

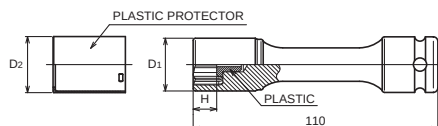
- Wheel Nut Sockets Set
Juego de Vasos para Rueda
- Wheel Nut Sockets
Vasos para Rueda



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.

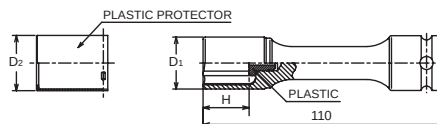
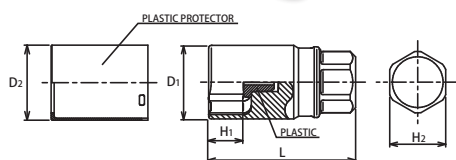
14145M-110MB

- Wheel Bolt Socket



280PM

- Adaptor Socket for Low Profile Wheel Nut
Vaso Adaptador para tuercas de Llantas de perfil bajo



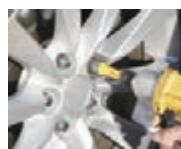
14201M 3 Pieces Set/△=690g
CARDBOARD BOX:W125×H95×T34mm

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 → P270-271



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.

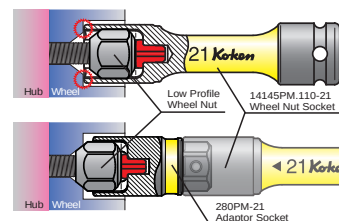
198-22 : Spare Plastic Protector for 14145PM.110-22 : 10 pcs.

14145M.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 (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		23.8	25	21	60	98	10
19		25.8	25	21	60	100	10
21		27.6	25	21	60	102	10

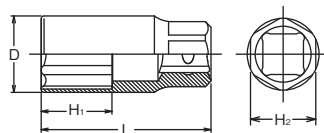


Wheel Nut Sockets

 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

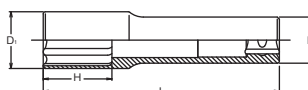


4300M(L110) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
17		23.8	22	32	110	155	5
19		25.8	22	32	110	170	5
21		27.6	22	32	110	165	5
22		29.1	22	32	110	165	5

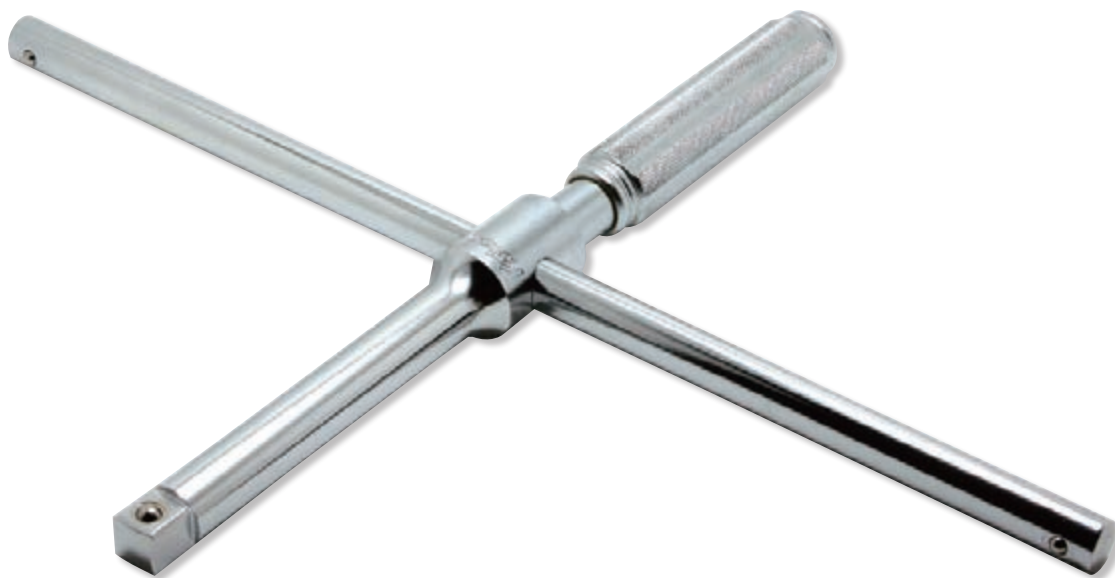
 Please note that thin walled design is only for wheel nut work and Torque rating is limited.

4300M (L110)

Wheel Nut Sockets (Long)
Vasos para Ruedas (Largos)

**4711X**

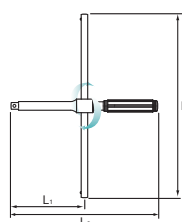
Spinning Cross Wrench

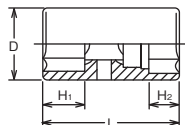


FREE-TURN
CROSS WRENCH



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



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.)
17×19		28	15.5	13	48	150	10
19×21		31	17.5	13	57	177	10
19×22		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 19×21	 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.

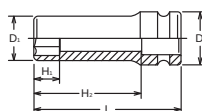
Socket is not completely locked with the Ball-type connection.

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

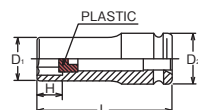
CARDBOARD BOX

Sockets	Accessory
 14118M 18.5×19.5SV, 20.5×21.5SV	 14760-100B

**AN14300** Impact Sockets, Aluminium Alloyed, for Aluminium Wheel Nuts
Vasos de Impacto, de Aleación de Aluminio, para tuercas de rueda de aluminio

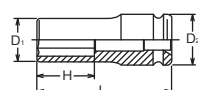
AN14300 (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)	
17		25.7	30	17	62	80	85	10	*2
19		28.2	30	19	61	80	89	10	*2
21		30.7	30	21	61	80	93	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P270-271

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 → P270-271

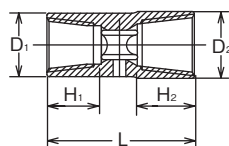
14113M For Hub Cap Screws
Para Tornillos de Tapacubos

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 → P270-271

14124 (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
21×24.5	1/2"	28	29.5	24	25	65	157	10
26×27.5		31.5	35	24.5	24.5	65	197	10

14124 Lock Nut Busters (Double Ended) Tronzador de Tuercas (Dos Bocas)



14124/3		3 Pieces Set/ =580g
CARDBOARD BOX:W125×H91×T43mm		
Sockets	Accessory	
14124 21×24.5 26×27.5		14760-75B



14124/3 Lock Nut Busters (Double Ended) in set Juego Tronzador de Tuercas (Dos Bocas)



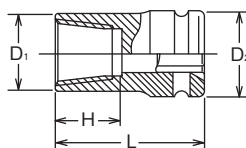
14124 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
17	1/2"	20.5	25	15	50	83	10	*1
18		21	25	15	50	83	10	*1
18.5		23	25	15	50	95	10	*1
19		25	30	20.5	50	140	10	*2
21		28	30	20.5	50	153	10	*2
24.5		29.5	30	23	50	138	10	*2
26		31.5	30	23	50	147	10	*2
27.5		35	30	23	50	181	10	*2

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

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

➔ P270-271

14124 Lock Nut Busters Tronzador de Tuercas



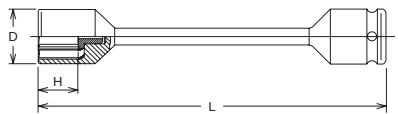
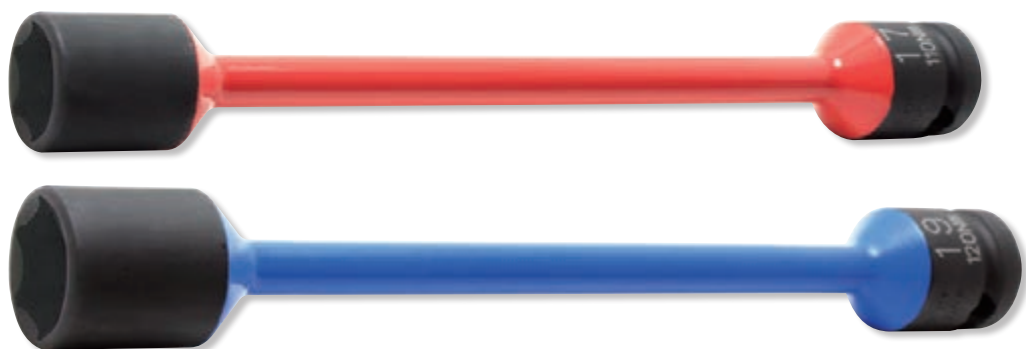
RS14124/7	7 Pieces Set/Rail 250mm	 (g)
18, 18.5, 19, 21, 24.5, 26, 27.5		980

RS14124/7 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
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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 varia según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

14101MP (mm×Nm)	D (mm)	H (mm)	L (mm)	Shaft Color	 (pcs.)	
 17× 95Nm	25	16	214		10	*1
 17×110Nm	25	16	204		10	*1
 17×120Nm	25	16	203		10	*1
 19× 90Nm	27	18	259		10	*1
 19×100Nm	27	18	233		10	*1
 19×120Nm	27	18	204		10	*1
 19×140Nm	27	18	199		10	*1
 21×100Nm	29	22	216		10	*1
 21×120Nm	29	22	205		10	*1
 22×150Nm	30	22	220		10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41  P270-271

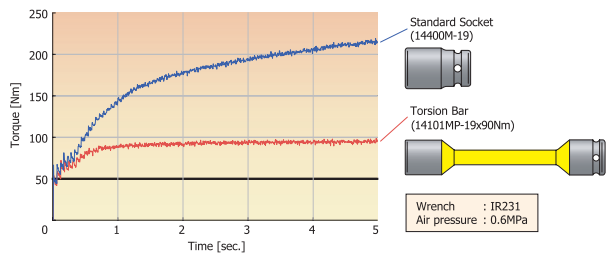
14101MP/8H Metal-Wall-Hanger for Workshops
Colgador de Pared Metálico para Talleres



14101MP/8H	8 Pieces Set/  =2,300g
HANGER	
Torsion Bar	
	14101MP Impact Torsion Bars 17×95Nm, 17×110Nm, 17×120Nm, 19×90Nm, 19×100Nm, 19×120Nm, 19×140Nm, 21×100Nm

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.



14112 Torsion Extension Bars (for tightening only)

Alargaderas de Torsión (solamente para apriete)



14112		D (mm)	L (mm)	(g)	(pce.)	
90NmP		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)

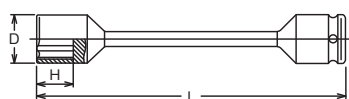


14101M (mm×Nm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
17× 60Nm		25	16	216	227	1	*1
17× 75Nm		25	16	228	240	1	*1
17× 95Nm		25	16	214	256	1	*1
17×110Nm		25	16	204	285	1	*1
17×120Nm		25	16	203	284	1	*1
17×140Nm		25	16	200	290	1	*1
19× 60Nm		27	18	219	237	1	*1
19× 90Nm		27	18	259	275	1	*1
19×110Nm		27	18	214	278	1	*1
19×120Nm		27	18	204	297	1	*1
19×135Nm		27	18	204	339	1	*1
19×170Nm		27	18	193	332	1	*1
21×100Nm		29	22	216	288	1	*1
21×120Nm		29	22	205	288	1	*1
22×160Nm		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 (mm×Nm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
24×180Nm		38.8	24	235	850	1	*1
27×450Nm		42.5	27	280	1236	1	*1
32×600Nm		48.8	32	280	1370	1	*1
33×600Nm		50	33	280	1370	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 

 As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede variar según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

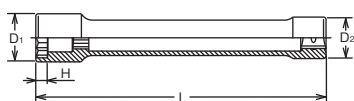
18101M (mm×Nm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
24×350Nm		43.5	24	300	1380	1	*1
27×350Nm		47	27	300	1401	1	*1
27×450Nm		47	27	300	1579	1	*1
30×500Nm		51	30	300	1563	1	*1
32×450Nm		53.5	32	300	1600	1	*1
32×550Nm		53.5	32	300	1602	1	*1
32×600Nm		53.5	32	300	1602	1	*1
32×650Nm		51.5	32	300	1620	1	*1
32×700Nm		51.5	32	300	1630	1	*1
33×550Nm		55	33	300	1638	1	*1
33×600Nm		55	33	300	1638	1	*1
33×650Nm		52.8	33	300	1650	1	*1
36×600Nm		58.5	36	300	1718	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 

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		58	40	14	400	1880	1
32	3/4"	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		58	49.9	14	400	2610	1
32	1"	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 or impact wrench.



Combination type.
41Wx21W

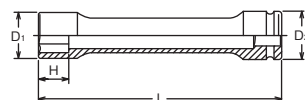
Extra long Socket for wheel nut

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		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	3/4"	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 ➔ P270-271

18102M.270 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
23		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	1"	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 ➔ P270-271

16102M.400 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
24		38.8	44	24	400	1430	1	*1
27		42.5	44	27	400	1460	1	*1
30	3/4"	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 ➔ P270-271

18102M.400 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
23		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	1"	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 ➔ P270-271

PW6P (mm×mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	
32×17	47	44	12	75		621	2	*1
35×17	50	44	12	75		655	2	*1
38×20	55	44	12	75		705	2	*1
41×19	58	44	12.5	80		813	2	*1
41×20	58	44	12.5	80		813	2	*1
41×21	58	44	12.5	80		779	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

PW8P (mm×mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	
35×17	50	54	12	83		867	2	*1
38×20	55	54	12	83		941	2	*1
41×19	58	54	12.5	87		1033	2	*1
41×20	58	54	12.5	87		1033	2	*1
41×21	58	54	12.5	87		997	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

PW8P/4	4 Pieces Set/△=4,250g
CARDBOARD BOX:W240×H95×T70mm	
Sockets	
PW8P Impact Rear Wheel Nut Sockets	
35×17, 38×20, 41×19, 41×21	

PW8L (mm×mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
41×21	1"	58	54	15	105	1263	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

PS6 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	40	44	19	60	433	5	*1
19	40	44	19	60	419	5	*1
20	44	44	21	60	483	5	*1
21	44	44	23	60	491	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

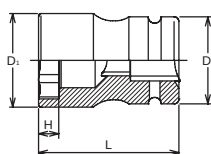
PS8 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	40	54	19	65	621	2	*1
19	43	54	19	65	648	2	*1
20	45	54	21	65	687	2	*1
21	45	54	23	65	696	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

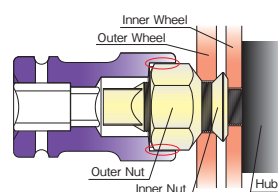
PW6P PW8P



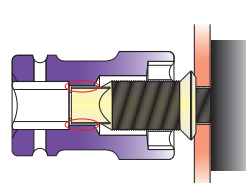
Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna



Tightening / Loosening Outer Nut



Tightening / Loosening Inner Nut



PW8P/4



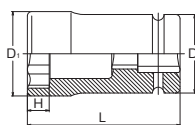
Socket set of Rear Wheel Nut Sockets
Juego de Vasos de Tuerca de Rueda Interna



PW8L



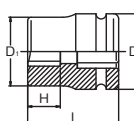
Rear Wheel Nut Socket (long)
Vasos de Tuerca de Rueda Interna (largos)



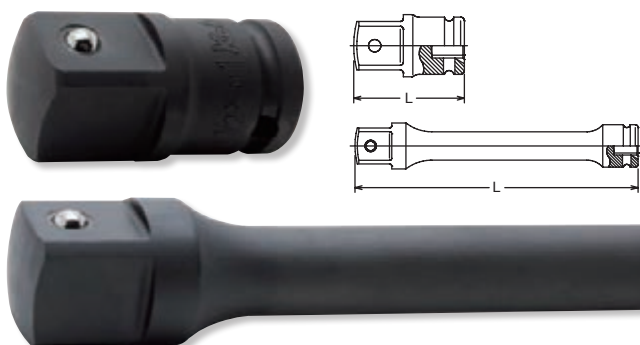
PS6 PS8



Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna



14466A-200B 14488A-B • -200B

Adaptors
AdaptadoresNo 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 → P270-271

(PW8P-41X21 + 14488A-200B + 1/2" SQ. Impact wrench)



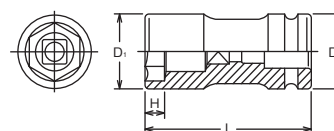
14466A-B / 14488A-B

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 • 16316A 18316M • 18316A

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

16316M (mm×mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
35×17		52	44	10	90	865	1	*1
38×20		56	44	13	100	952	1	*1
41×19		59	44	12	100	1037	1	*1
41×21		59	44	15	100	963	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

16316A (inch×inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
1.1/2×13/16		56	44	13	100	940	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271

18316M (mm×mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
35×17		52	54	10	108	1153	1	*1
38×20		56	54	13	108	1133	1	*1
41×19		59	54	12	108	1200	1	*1
41×21		59	54	15	108	1155	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

18316A (inch×inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
1.1/2×13/16		59	54	13	108	1120	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

16317M • 16317A 18317M • 18317A

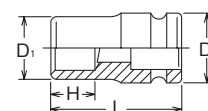
Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

16317M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
17		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 → P270-271

16317A (inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
13/16		44	44	22.5	67	489	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P270-271



18317M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
17		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

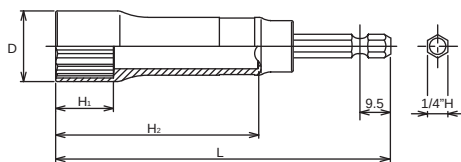
*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271

18317A (inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
13/16		45	54	22.5	72	703	1	*1

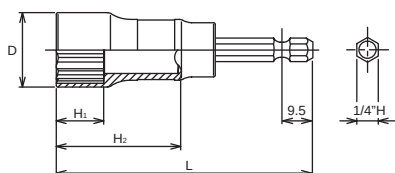
*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P270-271



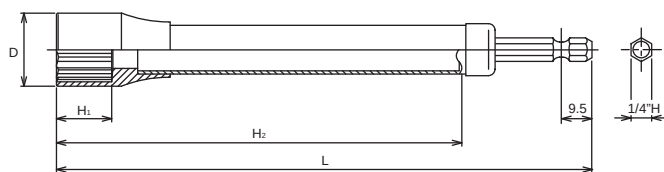
Construction

BD014E 12-point Nut Setters, Deep
Vasos Bi-hex para Apretar Tuercas, largos

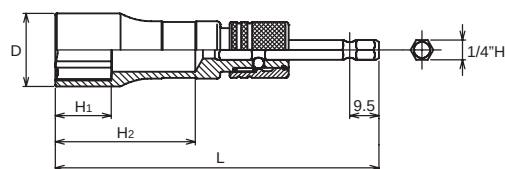
BD014E (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	12	63	104	45	10
10	14	12	63	104	52	10
12	16.5	18	63	104	61	10
13	17.5	18	63	104	65	10
14	19	18	63	104	72	10
17	22.5	18	60	104	80	10
19	24.5	18	60	104	95	10
21	27	18	60	104	110	10
22	28	18	60	104	112	10
24	30.3	18	60	104	123	10

BD014SE 12-point Nut Setters
Vasos Bi-hex para Apretar Tuercas

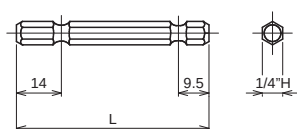
BD014SE (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

BD008E-165 (12P) 12-point Nut Setters, Extra Long
Vasos Bi-hex 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

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

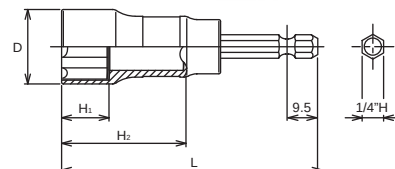
BD008E-700 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	645	700	292	2

BD014XE-SF

Surface Drive Nut Setters, Semi-Deep
Vasos semi-largos con Mango



SURFACE DRIVE

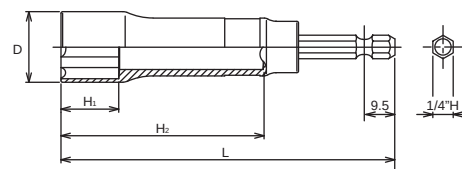


BD014E-SF

Surface Drive Nut Setters
Vasos con Mango

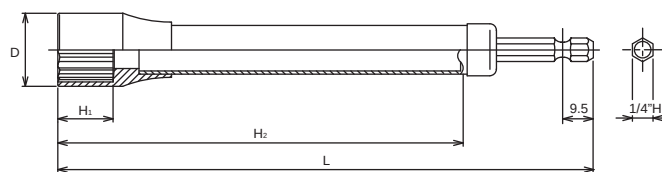
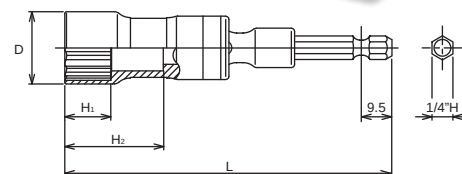


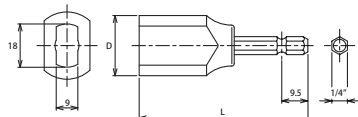
SURFACE DRIVE



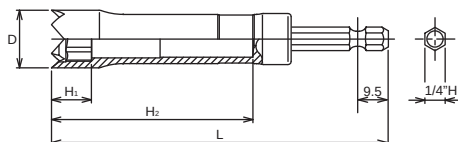
BD011SE

12-point Universal Joint Nut Setters
Vasos Bihex para Apretar Tuercas con Articulación Universal



BD003E-I

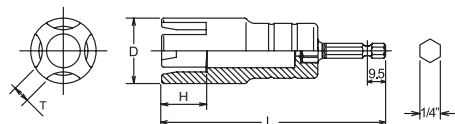
	D (mm)	L (mm)	(g)	(pcs.)
BD003E-I	25	70	95	10

BD013E

BD013E (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
12	17.8	12.5	63	105	69	10

BD017E

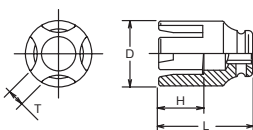
Wing Bolt Socket for Electric Drill
Vaso para Tuerca de Orejetas para Taladro eléctrico



	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

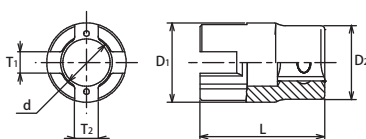


		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)	
BD018	3/8"	31	7.3	21	45	113	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P270-271

3119

Wing Bolt Socket
Vaso para Tuerca de Orejetas



3119 (mm)		T1×T2 (mm)	D1 (mm)	D2 (mm)	d (mm)	L (mm)	(g)	(pcs.)
3 × 5	3/8"	3 × 5	17	17.3	11	30	30	10
5.5×6		5.5×6	21	19.5	14	33	45	10



For Wing Bolt
Para Tuercas de Mariposa



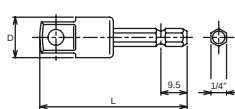
For Drain Plug in Radiator
Para conectores de drenaje en Radiadores

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

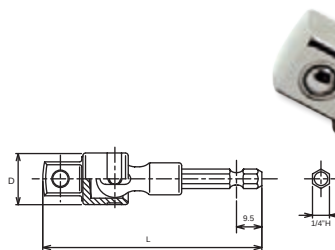
BD023E

 Adaptor
Adaptador

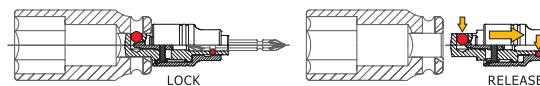


BD024E

 Universal Adaptors
Adaptadores Universal



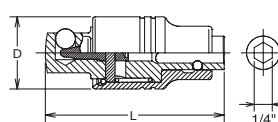
BD030W		D (mm)	L (mm)	(g)	(pcs.)
1/2	1/2"	23	57	115	10



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

BD030W-1/2

 Adaptor (Quick Release)
Adaptador (Extracción Rápida) 



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.)
3/8×24UNF	12.5	14.5	13	9.5	64	34	10
1/2×20UNF	12.5	15.5	13	9.5	64	40	10

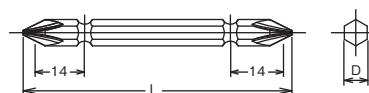
184.64	D (mm)	H ₁ (mm)	H ₂ (mm)	G (mm)	L (mm)	(g)	(pcs.)
3/8×24UNF	12.5	14.5	13	14	64	34	10
1/2×20UNF	12.5	15.5	13	14	64	40	10

123PN-65 · -110 · -150

 Double ended Bits
Puntas PH, simétricas

123PG-65 · -110 · -150

 Magnetic type

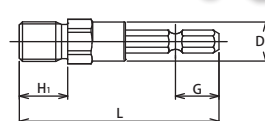


184E.64

Drill Chuck Adaptor
Adaptador porta-brocas para Taladro

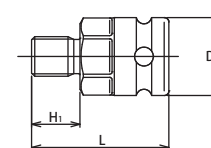
184.64

Drill Chuck Adaptor
Adaptador porta-brocas para Taladro



14184

Drill Chuck Adaptor
Adaptador porta-brocas para Taladro

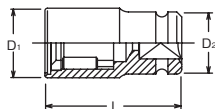


14184		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
3/8×24UNF	1/2"	25	14.5	22	44	85	10	*1
1/2×20UNF	1/2"	25	15.5	22	44	88	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P270-271

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.)	
12.5×10	1/2"	30	25	70	236	5	*1
12.5×13		38	30	75	388	5	*2
12.5×16		38	30	75	369	5	*2
20 ×19	3/4"	48	44	90	775	2	*3
20 ×22		48	44	90	752	2	*3
20 ×25		62	44	95	1184	2	*3
20 ×29		62	44	95	1148	2	*3

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

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

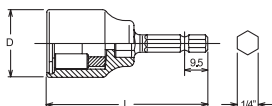
*3 C-Ring=C61, Pin/O-Ring=A61/B61

→ P270-271



162E Stud Setters

Vasos de Atornillar Espárragos



162E (mm)	D (mm)	L (mm)	 (g)	 (pcs.)
10	28	66	107	10

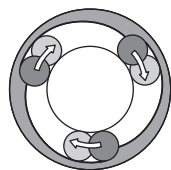
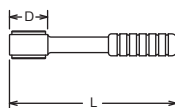
162E (inch)	D (mm)	L (mm)	 (g)	 (pcs.)
1/4	23	66	83	10
5/16	23	66	82	10
3/8	28	66	107	10
1/2	28	66	108	10

*Renewal Kits → 162RK

→ P323

141S 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

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

1201 Stud Puller Ratchets Set

Juego de Extractores de Espárragos de Carraca



1201 4 Pieces Set/△△=973g

METAL CASE:W240×H100×T32mm

Pullers

 141S Stud Puller Ratchets
6, 8, 10, 12



BD14400MJ (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
13		20.7	25	5	38	140	10	*1
15	1/2"	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

→ P270-271

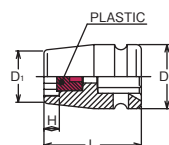
BD016E (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

BD016JE (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

BD14400MJ



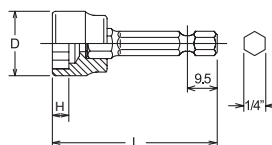
6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje



BD016E



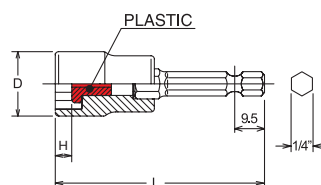
6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje



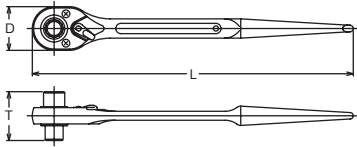
BD016JE



6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje

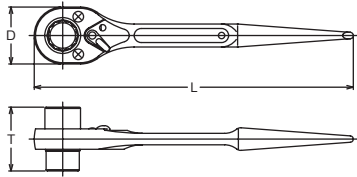


170S Spud Handle Ratchets
Llaves de Carraca con Mango de Cola



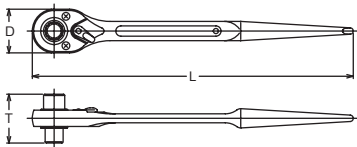
170S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
10×12	34	38	250	260	1
10×13	34	38	250	260	1
10×14	34	38	250	260	1
11×13	34	38	250	260	1
12×14	34	38	250	260	1

171S Spud Handle Ratchets(Short)
Llaves de Carraca con Mango de Cola(Cortas)



171S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
13×17	44.6	50	250	460	1
14×17	44.6	50	250	460	1
17×19	44.6	50	250	460	1
17×21	44.6	50	250	460	1
17×22	44.6	50	250	460	1
19×21	44.6	50	250	460	1
19×22	44.6	50	250	460	1

171 Spud Handle Ratchets(Long)
Llaves de Carraca con Mango de Cola(Largas)

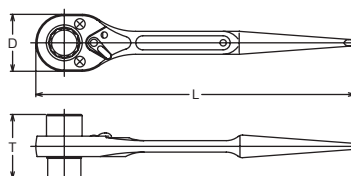


171 (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
13×17	44.6	50	380	630	1
14×17	44.6	50	380	630	1
17×19	44.6	50	380	630	1
17×21	44.6	50	380	630	1
17×22	44.6	50	380	630	1
19×21	44.6	50	380	630	1
19×22	44.6	50	380	630	1

172 Spud Handle Ratchets Llaves de Carraca con Mango de Cola



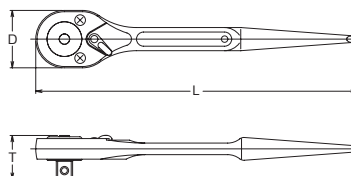
172 (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
19×24	68	58	380	1100	1
21×26	68	58	380	1100	1
22×24	68	58	380	1100	1
23×26	68	58	380	1100	1
24×27	68	58	380	1100	1
24×30	68	58	380	1100	1
26×32	68	63	380	1100	1
27×32	68	58	380	1100	1
30×32	68	58	380	1100	1



171SB-1/2 Spud Handle Ratchet with Push Button(short) Llave de Carraca con Mango de Cola con Botón(corta)



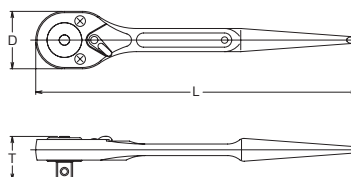
	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
171SB-1/2 	44.6	33	250	480	1



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 	44.6	33	380	650	1



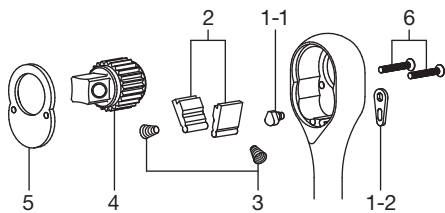
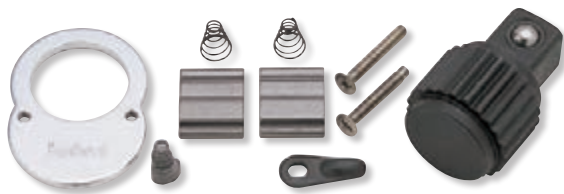


Ko-ken welcomes customer enquiries for special tools.
New items can be designed and manufactured according to
customers requirements. Please enquire through your distributors.

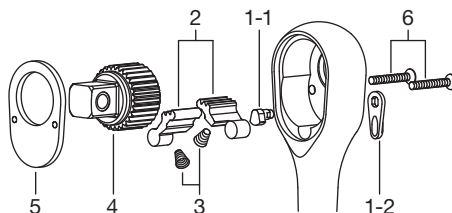
Ko-ken da la bienvenida a todas las solicitudes por herramientas
especiales de nuestros clientes.
Productos nuevos pueden ser diseñados y fabricados de acuerdo
a sus necesidades. Por favor haga su solicitud a través nuestra
red de distribuidores.

Renewal Kits





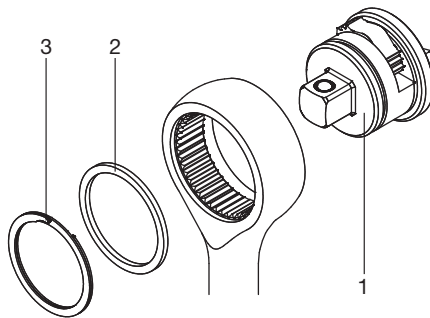
- | | |
|-----|-----------------|
| 1-1 | Reversion Cam |
| 1-2 | Reversion Lever |
| 2 | Dog |
| 3 | Spring |
| 4 | Square Drive |
| 5 | Cover Plate |
| 6 | Screw |



- | | |
|-----|-----------------|
| 1-1 | Reversion Cam |
| 1-2 | Reversion Lever |
| 2 | Dog |
| 3 | Spring |
| 4 | Square Drive |
| 5 | Cover Plate |
| 6 | Screw |

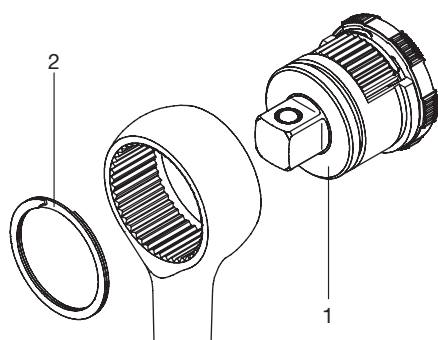
	☑	Products	(g)	(pce.)
2749RK		2749N/P/J	30	1
2753RK	1/4"	2753N/P/J, 2753PS/PSKR, 2753P-160, 2774PS/J.S, 2774N/P/J	30	1
2753BRK		2753NB/PB/JB	31	1
2749RK-3/8		2749PS-3/8, 2749N-3/8, 2749P-3/8, 2774PS-3/8, 2774JS-3/8	45	1
3749RK	3/8"	3749S, 3749N	70	1
3749BRK		3749SB	84	1
3753RK		3753N/P/J, 3753SM, 3753P-250, 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



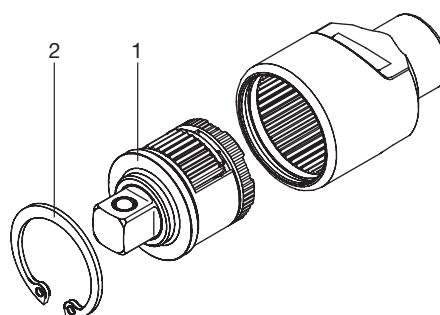
- | | |
|---|----------------|
| 1 | Head |
| 2 | Ring |
| 3 | Retaining Ring |

	☑	Products	(g)	(pce.)
2752RK	1/4"	2752N	42	1



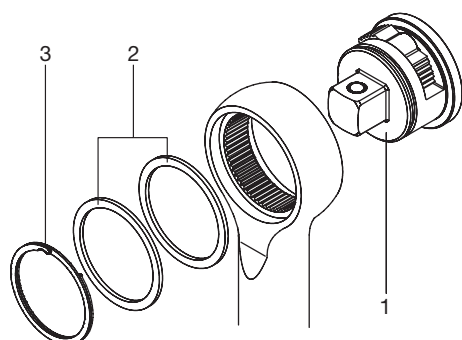
1 Head
2 Retaining Ring

	□	Products	(g)	(pce.)
3752RK	3/8"	3752N/J, 3757, 3776N/P/J	84	1
4752RK	1/2"	4752N/J	140	1



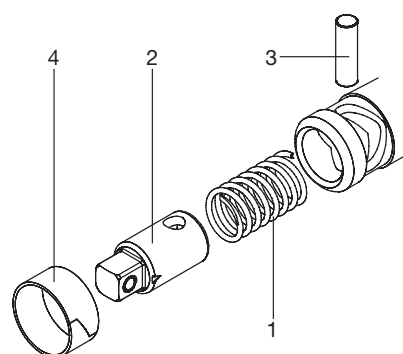
1 Head
2 Retaining Ring

	□	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



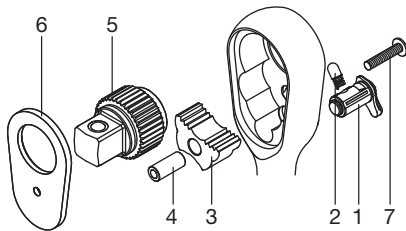
1 Head
2 Ring
3 Retaining Ring

	□	Products	(g)	(pce.)
6752RK	3/4"	6752	600	1



1 Spring
2 Square Drive
3 Pin
4 Retaining Ring

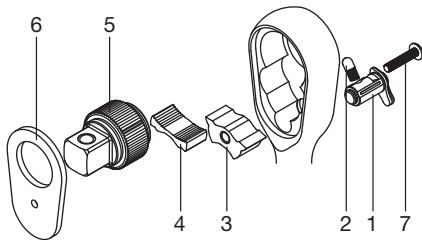
	□	Products	(g)	(pce.)
3112RK	3/8"	3112N	106	1
4112RK	1/2"	4112N	116	1
6112RK	3/4"	6112	445	1



- | | |
|---|-----------------|
| 1 | Reversion Lever |
| 2 | Pin+Spring |
| 3 | Pawl |
| 4 | Sleeve |
| 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-1(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



- | | |
|---|-----------------|
| 1 | Reversion Lever |
| 2 | Pin+Spring |
| 3 | Pawl (Large) |
| 4 | Pawl (Small) |
| 5 | Square Drive |
| 6 | Cover Plate |
| 7 | Screw |

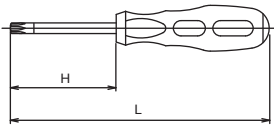
For 72 Tooth

	□	Products	(g)	(pce.)
2725RK-2	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
2725RK-2(3/8)	3/8"	2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
2725BRK-1(3/8)	3/8"	2725ZB-3/8, 2725ZB-3/8(L160), 2726ZB-3/8, 2726ZB-3/8(L160)	45	1
3725RK-2	3/8"	3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
3725BRK-1	3/8"	3725ZB, 3725ZSB, 3725ZB-280, 3726ZB, 3726ZSB, 3726ZB-280	50	1
4725RK-2	1/2"	4725Z	120	1
4725BRK-1	1/2"	4725ZB	120	1

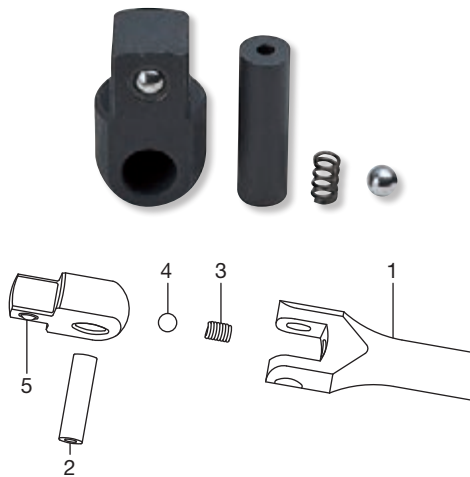
⚠ 72 Tooth RK do not fit on 36 Tooth Ratchet.



TORXPLUS® 6IP Screwdriver for 2725RK
TORXPLUS® 8IP Screwdriver for 3725RK
TORXPLUS® 10IP Screwdriver for 4725RK

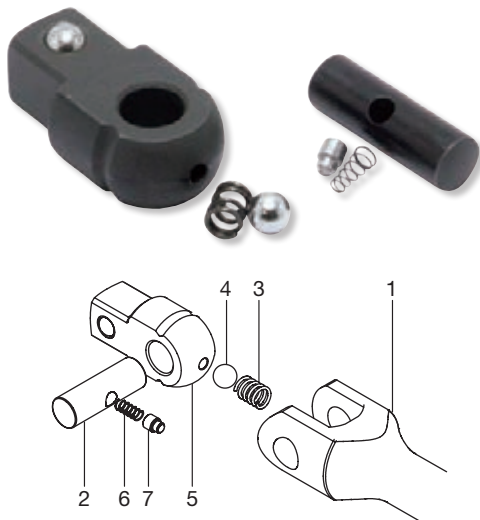


168T (IP)	H (mm)	L (mm)	(g)	(pce.)
6IP(40)	40	110	20	1
8IP(40)	40	110	20	1
10IP(40)	40	110	22	1



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

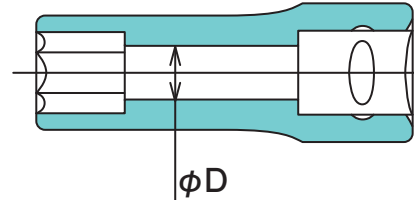
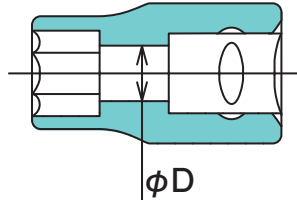
162RK	Products	(pce.)
5/16	162E-5/16	1
3/8	162E-3/8	1
1/2	162E-1/2	1
10	162E-10	1

HAND SOCKETS / Diameter of Bore

Standard Socket

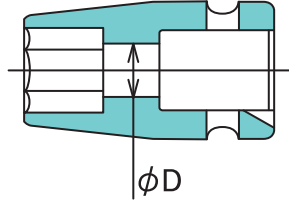


Deep Socket

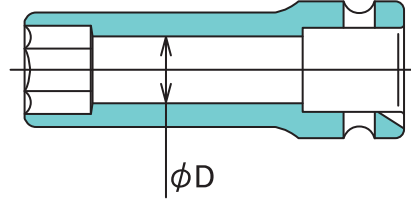


SOCKET		1/4"		3/8"		1/2"		3/4"		1"
		Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	Standard
		2400M 2400A	2300M 2300A	3400M 3400A	3300M 3300A	4400M 4400A	4300M 4300A	6400M 6400A	6300M 6300A	8400M 8400A
		2405M 2405A	2305M 2305A	3405M 3405A	3305M 3305A	4405M 4405A	4305M 4305A	6405M 6405A	6305M 6305A	8405M 8405A
(mm)	(inch)	φ D								
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" 	3/8" 		1/2" 		3/4" 		1" 		
		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)	φ D									
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			

[illegible]



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)

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TORX® / TORXplus® BITS

		S1 (mm)	S2 (mm)
T6	6IP	1.7	1.2
T7	7IP	2.0	1.4
T8	8IP	2.3	1.7
T9	9IP	2.5	1.8
T10	10IP	2.7	2.0
T15	15IP	3.3	2.3
T20	20IP	3.9	2.8
T25	25IP	4.5	3.2
T27	27IP	5.0	3.6
T30	30IP	5.6	4.0
T40	40IP	6.7	4.8
T45	45IP	7.9	5.6
T50	50IP	8.9	6.2
T55	55IP	11.3	8.0
T60	60IP	13.3	9.5
T70	70IP	15.6	11.1
T80	80IP	17.6	12.7
T90	90IP	20.0	14.2
T100	100IP	22.2	15.8

TORX® / TORXplus® SOCKETS

		S1 (mm)	S2 (mm)
E4	4EP	3.7	2.7
E5	5EP	4.6	3.3
E6	6EP	5.6	4.0
E7	7EP	6.1	4.3
E8	8EP	7.4	5.3
E10	10EP	9.3	6.8
E11	11EP	9.9	7.1
E12	12EP	11.0	7.9
E14	14EP	12.8	9.2
E16	16EP	14.6	10.5
E18	18EP	16.5	11.9
E20	20EP	18.3	13.2
E22	22EP	20.1	14.8
E24	24EP	22.0	15.7
E26	26EP	23.7	17.5
E28	28EP	25.5	18.3
E30	30EP	27.3	20.0
E32	32EP	29.0	21.3

TORXplus® 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

LHStix® (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

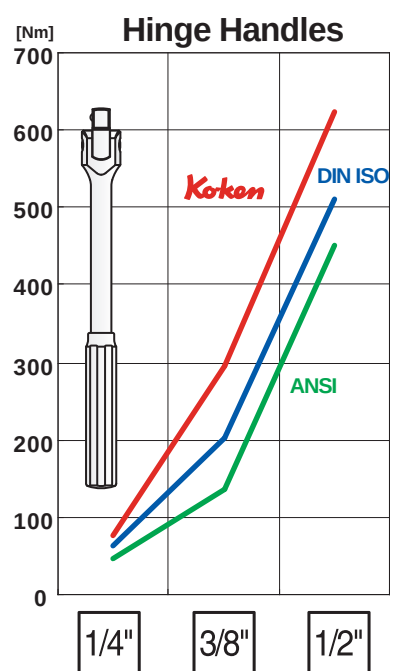
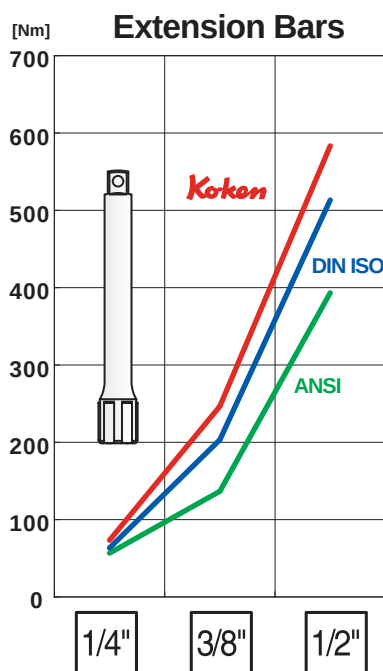
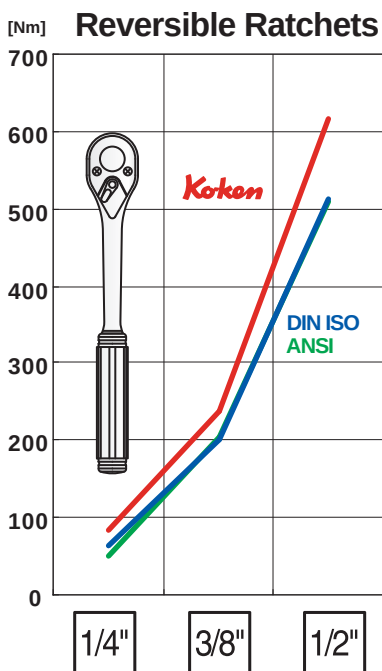
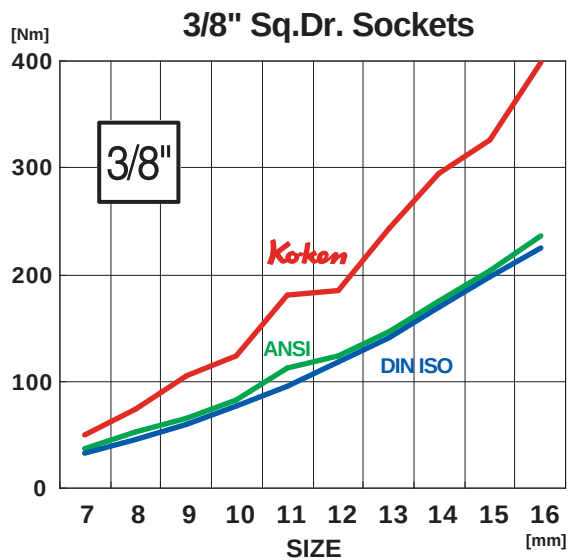
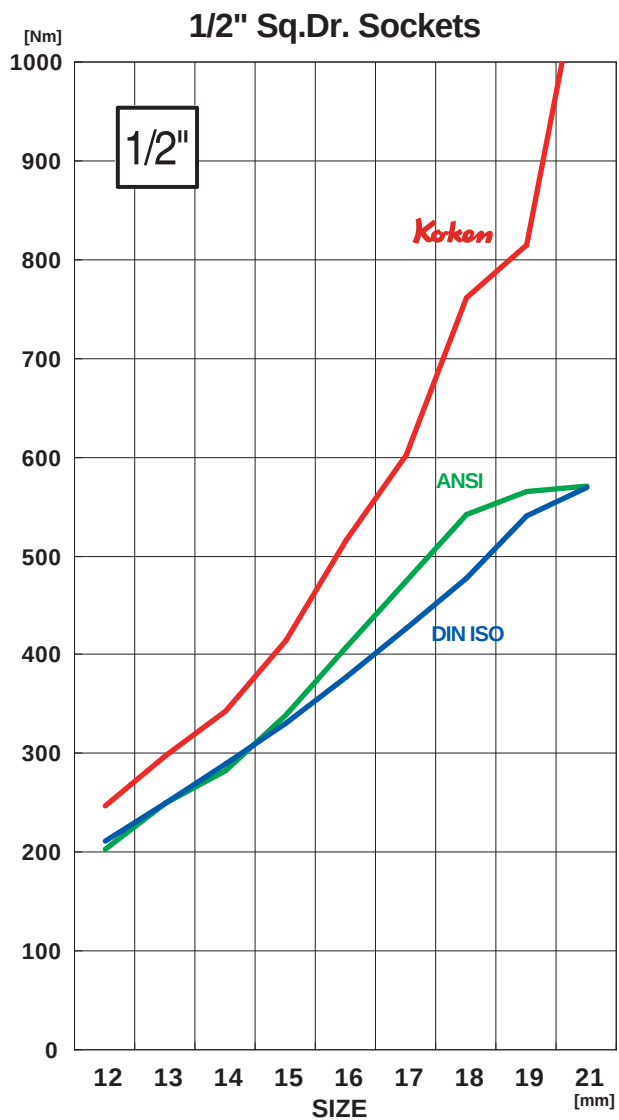
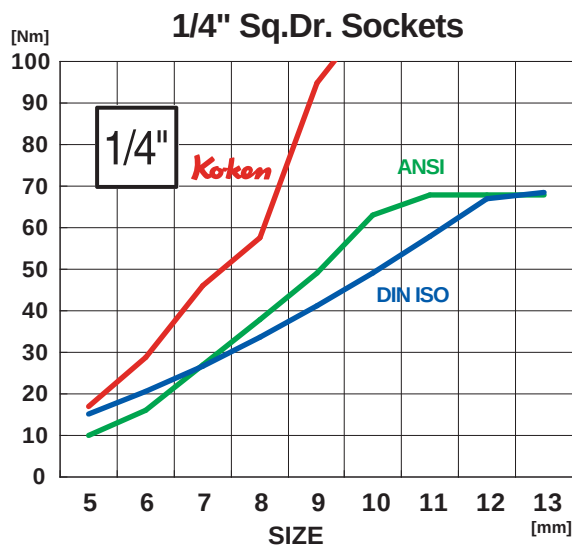
XZN BITS

	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

 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	25.4000	50.8000	76.2000	101.6000	127.0000	152.4000	177.8000	203.2000	228.6000	254.0000	279.4000
1/32	0.01563	0.3969	25.7969	51.1969	76.5969	101.9969	127.3969	152.7969	178.1969	203.5969	228.9969	254.3969	279.7969
3/64	0.03125	0.7938	26.1938	51.5938	76.9938	102.3938	127.7938	153.1938	178.5938	203.9938	229.3938	254.7938	280.1938
	0.04688	1.1906	26.5906	51.9906	77.3906	102.7906	128.1906	153.5906	178.9906	204.3906	229.7906	255.1906	280.5906
1/16	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	229.1875	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)											
	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
1/32	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
1/16	0.06250	306.3875	331.7875	357.1875	382.5875	407.9875	433.3875	458.7875					



Numerical Index

10099A	262	12400AG	196	135AL	185	14406M	216
100H	174	12400MG	196	135E	185	14410M	217
100P	174	12410M	196	137	166	14415M	218
100P (PZ)	174	12425	197	13760	213	14425	218
100S	174	12460A	197	13760-P	213	14425-EPL	218
100T (T)	174	12460AG	197	13760-P.FR	281	14433A	230
100T (TH)	175	12460M	197	13770	214	14440A	222
100X (XZN)	175	12460MG	197	13771	214	14440M	222
101A	169	12465M	197	13772	214, 297	14444AL	229
101B	168	124M (2B)	159	138	166	14444WA	230
101H	168	12760	198	139	166	14455A	230
101P	168	12760-P	198	14012M	223	14465M	218
101S	168	12770	198	14025	223	14466A	230, 308
101T (T)	168	127C	288	14100A	151	14466AL	229
101T (TH)	168	128H	169	14100M	151	14488A-B	308
102KA	164	128T	169	14101M	305	144KM	289
102KM	164	13012M	208	14101MP	304	145KM-10H	166
102KM.BH	164	13025	208	14101MP/8H	304	145LH3/8F	294
102KT	164	13103M	153	14103M	153	14760	229
102NA	164	13134	183, 208	14106	227	14760-P	229
102NM	164	13134M	211	14112	305	14760-P.FR	282
103KA	165	13134T (IP)	211	14113J	302	14770	230
103KA.BH	165	13134T (T)	211	14113M	302	14771	230
103KM	165	13134X (XZN)	211	14118M	302	14772	230, 297
103KT	165	13137E	177	14124	303	148KM	289
10400A	262	13137H	177	14124/3	303	150-10H	166
10400M	262	13139	173	14134	183, 223	150-14H	294
104A	158	13140	175	14134M	226	15300M	234
104M	158, 299	13142-D6.3	173	14134T (IP)	226	15310M	234
106	293	13142-F11.2	183, 208	14134T (T)	226	15400A	233
107-16	227, 242, 252	13142-F6.3	177	14134X (XZN)	226	15400M	233
107-16 (IP)	227, 242, 252	13145A-150	297	14137E	177	15410M	233
107-16 (T)	227, 242, 252	13145M	212	14139	173	154K	294
107-16 (XZN)	227, 242, 252	13145M (12P)	212, 291	14140	175	154M	165
107-22	243, 253	13145MG	212	14142-D6.3	173	154ML	165
107-22 (T)	243, 253	13146M	213	14142-F11.2	183, 223	155	299
107-32	254, 258	13147M	213	14142-F6.3	177	15544A	234
108A	172	13242M	214	14145A-150	297	15555AL	234
108H	172	13300A	205	14145M	228	15566A	234
108P	172	13300G	206	14145M-110MB	300	156M	158
108S	172	13300G-FR	281	14145MG	228	15770	234
108T (T)	172	13300M	205	14145PM-110	300	157H	160, 299
108T (TH)	172	13300M-FR	281	14146M	228	157P	160, 299
110	184	13300XG	205	14147M	229	157S	160
110AL	184	13301A	205	14184	313	157T	160, 299
112	184	13301M	205	141S	152, 314	158	293
112AL	185	13301X	204	14201M	300	160K	163
113	179	13305M	206	14207M	231	16101M	305
113 (2B)	179	13306M	206	14208M	231	16102M	306
113 (E)	179	13310M	206	14209M	231	16106	241
113-SV	283	13322A	214	14210M	231	16106-16	241
113UN	181	13325	207	14210T	231	16106-16 (T)	241
115	180	13333AL	213	14210X	231	16106-16 (XZN)	241
115-SV	283	13333WA	214	14218M	302	16107	243
115G	181	13344A	214	14219M	302	16107-22	243
115G-FR	283	13365M	206	14241A	232	16134	183
117	186	13400-WN	204	14241M	232	16201A	245
120	186	13400A	199	14242M	232	16201M	245
1201	152	13400AG	201	14245M	232	16245M	245
1202	169	13400M	199	14300A	220	162E	314
1203	166	13400M-FR	281	14300G	222	162RK	323
1206	294	13400MG	201	14300G-FR	282	16300A	238
1210	295	13401A	200	14300M	220	16300M	238
1210E	295	13401LH	204	14300M-FR	282	16301A	239
1212	296	13401M	200	14301A	220	16301M	239
12137E	177	13401MS	201	14301M	220	16301X	238
12139	173	13405A	199	14301X	219	16305M	239, 291
12140	175	13405M	199	14305M	221, 297	16310M	240
12142-F6.3	177	13406A	200	14306M	221	16316A	308
121H	176	13406M	200	14310M	221	16316M	308
121P	176	13410M	201	14325	222	16317A	308
121T (IP)	177	13425	203	14365M	222	16317M	308
121T (T)	176	13425-EPL	203	14400-WN	219	16325	240
121T (TH)	177	13425-EPL	203	14400A	215	16400A	235
12222AL	198	13425EG	203	14400M	215	16400M	235
12233A	198	13430M	207	14400M-FR	282	16401A	236
12300G	198	13440A	207	14400MG	217	16401M	236
12300M	198	13440M	207	14401A	216	16405A	235
12365M	198	13440T	207	14401LH	219	16405M	235
123PG	178, 313	13460A	202	14401M	216	16410M	236
123PN	178, 313	13460AG	202	14401MS	217	16425	237
123PT	178	13460M	202	14405A	215	16425-EPL	237
12400A	196	13460MG	202	14405M	215	1658M	178
12400M	196	13465M	202	14406A	216	165LM	178

16644A	244	186	186	2415M	049	2774JS	060
16644AL	244	18760	254	2425	051	2774JS-3/8	092
16655A	244	18770	255	24300A	278	2774N	061
16666AL	244	18771	255	24300M	278	2774P	061
16688A	244	18866A	255	24305M	278	2774P-1/4HF	173
166P	190	18877A	255	2430M	055	2774P-5/16HF	175
166PS/6	190	18888AL	255	2430T	055	2774PS	060
166S	190	19300M	261	24310M	278	2774PS-3/8	092
16760	243	19400A	260	24400A	277	2780	064
16770	244	19400M	260	24400M	277	2785	064
16771	244	19760	261	24405M	277	280PM	300
167A	188	19770	261	2440A	054	3000-60 (PH)	080
167C (2B)	188	19977A	261	2440M	054	3000-50 (PZ)	080
167M	188	2000 (PH)	055	2440T	054	3005	080
168C	191	2000 (PZ)	055	24410M	277	3010A	081
168CS	191	2000Z	025	2441M	054	3010M	081
168H-B	189	2005	055	2441MZ	025	3010MZ	032
168P	191	2005Z	025	24425	277	3011M	083
168P (PZ)	189	2010A	056	2445A	054	3012A	082
168PS/6	191	2010M	056	2445M	054	3012M	082
168S	191	2010MZ	025	2450AS	050	3012M-25	082, 293
168T (250)	296	2011M	056	2450MS	050	3015M	083
168T (IP)	322	2020	057	2455AS	050	3020	084
168T (TH)	189	2025 (IP)	058	24760-P	278	3025 (IP)	087
168T/7 (TH)	189	2025 (T)	057	2715	161	3025 (IPR)	087
169	296	2025 (TH)	057	2725BRK-1 (3/8)	322	3025 (T)	085
169/2	296	2025-28 (IPR)	058	2725RK-1	322	3025 (TH)	086
169BP	296	2025Z	026	2725RK-1 (3/8)	322	3025-100R (T)	085
169HR	296	2120	061	2725RK-2	322	3025-100R (TH)	086
169HR/2	296	2127	154	2725RK-2 (3/8)	322	3025Z	032
169WM	296	2137	173	2725Z	027	3027	084
170S	316	2138	175	2725Z-160	027	3110A	292
171	316	2201AM	065	2725Z-3/8	033	3110M	292
17108	258	22300A	274	2725Z-3/8 (L160)	033	3110MGH	292
17108-32	258	22300M	274	2725ZB-3/8	034	3112G	170
171B-1/2	317	2233A	064	2725ZB-3/8 (L160)	034	3112N	170
171S	316	22400M	274	2726Z	027	3112RK	321
171SB-1/2	317	22425	274	2726Z-160	027	3116M	159
172	317	2250A	065	2726Z-3/8	035	3117M	080
17300A	257	2250M	065	2726Z-3/8 (L160)	035	3119	312
17300M	257	2254M	169	2726ZB-3/8	036	3127	154
17400A	256	2257M	066	2726ZB-3/8 (L160)	036	3128	155
17400M	256	2260M	066	2749N-3/8	088	3129	156
17405A	257	2261M	066	2749P-1/4HF	173	3131A	163
17405M	257	2275	067	2749P-3/8	088	3131E	163
17760	259	2276	067	2749P-5/16HF	175	3132	163
17770	259	2277	067	2749PS-3/8	088	3137	173
17788A	259	2277A-12P	067	2749RK	320	3138	175
17799A	259	2285ZE	029	2749RK-3/8	320	3200A	100
18101M	305	2286Z	029	2752N	060	3200M	100
18102M	306	2300A	052	2752RK	320	3201AMW	100
18104M	248	2300M	052	2753BRK	320	3206A	100
18106	251	2300MZ	024	2753J	059	3206AM	100
18106-16	251	2300W-BA	053	2753JB	060	3206M	100
18106-16 (T)	251	2300X	051	2753N	059	3210M	101
18106-16 (XZN)	251	2300XZ	024	2753NB	060	3217M	101
18107	253	2305A	052	2753P	059	3220M	101
18107-22	253	2305M	052	2753P-160	059	3221M	101
18108	254	23103M	153, 276	2753PB	060	3225A	288
18108-32	254	2310M	053	2753PS	059	3244	101
18300A	249	2325	053	2753RK	320	3247	086, 295
18300M	249	23300A	276	2755	061	3250M	102
18301A	250	23300M	276	2755RK	321	3252M	102
18301M	250	23305M	276	2756	061	3264	163
18301X	249	23310M	276	2756Z	028	3275	103
18310M	250	23325	276	2756Z-1/2	028	3276	103
18316A	308	23400A	275	2756Z-3/8	028	3277	103
18316M	308	23400M	275	2760	062	3279AM	103
18317A	308	23405M	275	2760Z	028	3285Z	039
18317M	308	23410M	275	2762	061	3285ZA	039
183H	182, 209, 224, 266	23425	275	2763	062	3285ZE	039
183H-B	182, 209, 224, 266	2350G-12PSG	289	2768J	062	3286Z	039
183T (IP)	183, 210, 225, 267	2350M	053	2768N	062	3300A	074
183T (T)	182, 210, 225, 266	2350X	051	2768P	062	3300C	286, 287
183X (XZN)	183, 210, 225, 267	23760-P	276	2768RK	323	3300CB	286
184.64	313	2400A	048	2769F	063	3300CZ	031
18400A	246	2400M	048	2769H	063	3300FN	076, 290
18400M	246	2400MZ	024	2769N	063, 192	3300M	074
18401A	247	2400W-BA	049	2769NWF	063, 192	3300M (L120)	077
18401M	247	2405A	048	2770	064	3300M/4-L120	077, 295
18405A	247	2405M	048	2771	064	3300MZ	031
18405M	247	24103M	153, 278	2771Z	028	3300P	286
18410M	248	2410M	049	2772Z	028	3300S	286
184E.64	313	2415A	049	2774J	061	3300W	075

Numerical Index

3300X	073	3752J	089	4112N	170	4445M	110
3300XA	073	3752N	089	4112RK	321	4450M	107
3300XZ	030	3752RK	321	4117M	111	4466A	127
3305A	074	3753BRK	320	4122-72	290	4711X	162, 301
3305M	074	3753J	090	4127	155	4711XZ	041
3305M (L120)	077	3753JB	091	4128	155	4715	162
3305M/4-L120	077	3753N	090	4129	157	4715S	162
3305P	286, 299	3753NB	091	4131A	163	4715SL	162
3305P-250	287	3753P	090	4132	163	4725BRK-1	322
3305PZ	031	3753P-250	090	4133	290	4725RK-1	322
3305W	075	3753PB	091	4137	173	4725RK-2	322
3305X	073	3753RK	320	4138	175	4725Z	040
3305XA	073	3753SM	090	4202	293	4725ZB	040
3310M	075	3753SMB	091	4203M	153	4747	127
3322A	099	3755	095	4203MF	153	4749J-380	118
3322AZ	038	3755RK	321	4211A	150	4749N-250	118
3325	076	3756	095	4211M	150	4749N-380	118
3340C	287	3756Z	038	4214M	150	4749RK	320
3340M	079	3756Z-1/2	038	4222M	128	4750BRK	320
3341G	289	3756ZS	038	4223M	128	4750J	119
3342G-150	289	3757	095	4227M	128	4750JB	119
3344A	099	3760	096	4230A	128	4750N	119
3345P	287	3760LZ	037	4230M	128	4750NB	119
3350A (L120)	077	3760Z	037	4232M	129	4750P	119
3350M	076	3762	095	4238AM	129	4750PB	119
3350M (L120)	077	3763	096	4241A	130	4750RK	320
3350M/2-L120	077, 295	3768J	097	4241M	130	4752J	120
3350X	073	3768N	097	4244A	130	4752N	120
3400A	069	3768P	097	4244M	130	4752RK	321
3400LH	071	3768RK	323	4248M	131	4753BRK	320
3400M	069	3768Z	037	4250M	131	4753J	120
3400M-24	293	3768ZRK	323	4251A	131	4753JB	121
3400MZ	030	3769H	098	4251M	131	4753N	120
3400W	070	3769N	098, 192	4252A	131	4753NB	121
3405A	069	3769NWF	098, 192	4252M	131	4753P	120
3405M	069	3770	098	4254	131	4753P-410	120
3405W	070	3771	098	4261M	132	4753PB	121
3410M	070	3771Z	037	4263M	132	4753RK	320
3415A	071	3772Z	037	4273AM	132	4755	125
3415M	071	3774J	092	4275	133	4755RK	321
3425	071	3774JB	093	4276	133	4756	125
3425 (2B)	072	3774JBL	094	4277	133	4756Z	043
3430M	079	3774JL	094	4279AM	133	4760	126
3440A	078	3774N	092	4282	294	4760LZ	042
3440M	078	3774NB	093	4285Z	044	4760Z	042
3440T	078	3774NL	094	4285ZE	044	4763	126
3441M	079	3774P	092	4289M	133	4768J	124
3441MZ	032	3774P-SR	093	4300A	108	4768N	124
3445A	078	3774PB	093	4300C	286	4768P	124
3445M	078	3774PL	094	4300H	291	4768RK	323
3445W	078	3774PS	092	4300H (8P)	291	4768Z-430	041
3450A	072	3776J	089	4300M	108	4768ZRK	323
3450M	072	3776N	089	4300M (L110)	301	4770	125
3450MH	072	3776P	089	4300M (L120)	108	4771	125
3715	161	3780	099	4300M (L60)	301	4771Z	042
3715S	161	3785	099	4300PMZ	041	4772Z	043
3715SL	161	4000 (PH)	111	4300S	286	4774J	122
3715SLK	161	4000 (PZ)	111	4305A	108	4774JB	123
3716	161	4005	111	4305M	108	4774N	122
3725BRK-1	322	4010A	112	4310M	109	4774NB	123
3725RK-1	322	4010M	112	4325	109	4774P	122
3725RK-2	322	4010M (12P)	291	4325 (L140)	109	4774P-450	122
3725Z	033	4012A	117	4325 (L140)-2B	109	4774PB	123
3725Z-280	033	4012M	116	4340C	287	4780-400	126
3725ZB	034	4012M-43	298	4400A	105	4781N-450	125
3725ZB-280	034	4020	113	4400LH	107	4785	127
3725ZS	033	4020-60 (MH)	292	4400M	104	4788	127
3725ZSB	034	4025 (IP)	115	4400M-DU	298	6012M	135
3726Z	035	4025 (T)	114	4400MZ	040	6100M	151
3726Z-280	035	4027	115	4400W	105	6100MRK	323
3726ZB	036	4100A	150	4405A	105	6101	297
3726ZB-280	036	4100ARK	323	4405M	104	6102M-400	306
3726ZS	035	4100M	150	4405M-DU	298	6112	170
3726ZSB	036	4100MRK	323	4405W	105	6112RK	321
3749BRK	320	4101	297	4410M	106	6201A	140
3749N	088	4102	293	4425	106	6201M	140
3749RK	320	4103A	152	4425-EPL	107	6212A	140
3749S	088	4103M	152	4425-EPRL	107	6212M	140
3749S-1/2	118	4104	152	4425-N	106, 297	6260A	141
3749SB	088	4109M	292	4433A	127	6260M	141
3749SB-1/2	118	4110A	292	4440A	110	6268M	141
3749SBRK-1/2	320	4110M	292	4440M	110	6300A	135
3749SRK-1/2	320	4111M	292	4440T	110	6300M	135
3751J	288	4112G	170	4445A	110	6305A	135

6305M	135	BD030W-1/2	313	RS2127/10	154	RS3400MZ/8	030
6400A	134	BD042E	310	RS2127/6	154	RS3400W/7	070
6400M	134	BD14400MJ	315	RS2300A/9	052	RS3405A/9	069
6405A	134	BIT-60E	310	RS2300M/12	052	RS3405M/12	069
6405A-MV	298	C-Ring	270	RS2300MZ/12	024	RS3405M/8	069
6405M	134	C-Ring Set	270	RS2300X/12	051	RS3405W/7	070
6425	134	CLIP.P/5	044	RS2300XZ/9	024	RS3410M/12	070
6644A	139	D3753J	090	RS2305A/9	052	RS3425/4 (2B)	072
6688A	139	D4753J	120	RS2305M/12	052	RS3425/9	071
6749	136	NV13134	267	RS2310M/12	053	RS3430M/6	079
6749-HEAD	136	NV13145	265	RS2350M/4	053	RS3440A/8	078
6749RK	320	NV13400	265	RS2350X/4	051	RS3440M/8	078
6752	136	NV13760-P	265	RS2400A/9	048	RS3440T/8	078
6752-HEAD	136	NV14134	267	RS2400M/12	048	RS3441M/11	079
6752RK	321	NV14145	268	RS2400MZ/12	024	RS3441M/5	079
6755	137	NV14400	268	RS2400W/9-BA	049	RS3441MZ/6	032
6755RK	321	NV14433A-P	268	RS2405A/9	048	RS3445W/7	078
6760	137	NV14760-P	268	RS2405M/12	048	RS3450A/9	072
6768	138	NV16400	269	RS2410M/12	049	RS3450M/10	072
6768-HEAD	138	NV16760	269	RS2425/6	051	RS3450M/8	072
6768RK	323	O-Ring	271	RS2441M/11	054	RS3450MH/6	072
6770	139	P2201AM	068	RS2441MZ/5	025	RS3X00MZ/12	031
6785	138	P2251M	068	RS2445A/9	054	RS4010A/10	112
6788	138	P2258M	068	RS2450AS/6	050	RS4010M/10	112
8012M	143	P2281A-12P	068	RS2450MS/11	050	RS4012A/10	117
8102M-400	306	P2285Z	029	RS2450MS/6	050	RS4012M/10	116
8200A	146	P3262M-6P	102	RS2455AS/6	050	RS4020/6	113
8200M	146	Pin	271	RS3010A/8	081	RS4025/9	114
8225M	146	PIPE	136, 138, 144	RS3010M/8	081	RS4025/9-IP	115
8400A	142	PK166PS/6	190	RS3010MZ/8	032	RS4027/6	115
8400M	142	PK168PS/6	191	RS3012A/8	082	RS4127/6	155
8405A	142	PK2346/6	099	RS3012M/8	082	RS4129/5	157
8405M	142	PK2760/6	062	RS3015M/8	083	RS4300A/10	108
8749	144	PK2763/6	062	RS3020/6	084	RS4300M/10	108
8749-HEAD	144	PK3760/6	096	RS3020/7	084	RS4305A/10	108
8749RK	320	PK3763/6	096	RS3025/8	085	RS4305M/10	108
8760	143	PK4760/5	126	RS3025/8-IP	087	RS4310M/10	109
8768	144	PK4763/5	126	RS3025/8-L100R	085	RS4325/7	109
8768-HEAD	144	PS6	307	RS3025/8-L100RH	086	RS4400A/10	105
8768RK	323	PS8	307	RS3025/9-HOLE	086	RS4400LH/6	107
8770	143	Puller	270	RS3025/9-IPR	087	RS4400M/10	104
8785	144	PW6P	307	RS3025Z/8	032	RS4400MZ/10	040
8788	144	PW8L	307	RS3027/5	084	RS4400W/8	105
8866A	143	PW8P	307	RS3127/8	154	RS4405A/10	105
AG112A	171	PW8P/4	307	RS3129/6	156	RS4405M/10	104
AG112F	171	R810	165	RS3300A/9	074	RS4405W/8	105
AG112H	171	R810A	167	RS3300FN/6	076, 290	RS4410M/10	106
AG318A	171	R810B	167	RS3300M/12	074	RS4425/6-EPL	107
AN112A	171	R810C	167	RS3300M/8	074	RS4425/6-N	106, 297
AN112C	171	R810D	167	RS3300MZ/12	031	RS4425/7	106
AN14300	302	R810E	167	RS3300MZ/8	031	RS4450M/10	107
AN318A	171	RS13025/8	208	RS3300W/7	075	RSAL	044
AS2305A	052	RS13301X/9	204	RS3300X/8	073	RSAL200	044
AS2405A	048	RS13400M/11	199	RS3300XA/9	073	RSAL300	044
AS2445A	054	RS13401M/9	200	RS3300XZ/12	030	RSAS2305A/10	052
BD003E-I	312	RS13401MS/11	201	RS3300XZ/8	030	RSAS2405A/10	048
BD004	314	RS14012M/10	223	RS3305A/9	074	RSX025/11-IP	087
BD008E (12P)	311	RS14025/6	223	RS3305M/12	074	RSX025/11-IPR	087
BD008E-165 (12P)	310	RS14124/7	303	RS3305M/8	074	RSX772Z/3	043
BD011SE	311	RS14301X/10	219	RS3305W/7	075	S14240M	232
BD013E	312	RS14401M/10	216	RS3305X/8	073	S3240A	102
BD014E	310	RS14401MS/10	217	RS3305XA/9	073	S3240M	102
BD014E-SF	311	RS2010A/8	056	RS3310M/12	075	S4240A	129
BD014SE	310	RS2010M/6	056	RS3325/9	076	S4240M	129
BD014XE-SF	311	RS2010M/7	056	RS3340M/8	079	SP4122-69	290
BD016E	315	RS2010MZ/6	025	RS3350M/5	076	SP4300M	290
BD016JE	315	RS2025/7	057	RS3350X/4	073	SP4305M-77	290
BD017E	312	RS2025/7-HOLE	057	RS3400A/9	069	ST4027-140	291
BD018	312	RS2025/7-IP	058	RS3400LH/7	071	TI4261M	148
BD022-120P	186	RS2025/7-IPR	058	RS3400M/12	069		
BD023E	313	RS2025Z/7	026	RS3400M/8	069		
BD024E	313	RS20XXZ/9	026	RS3400MZ/12	030		

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