

Koken®



Koken TOOL CO., LTD.



4763-425



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Z-SERIES

HAND
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IMPACT
DE IMPACTO

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INDUSTRIAL
PROTECTORES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Pictograms Socket openings / Bit shape

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

Pictograms Mechanics / Specification

	S.O.D.H-System®		Thin-Walled			1/4"(6.35mm) Sq. Dr.
	S.O.D.H-System® (4750 series)		with Magnet			3/8"(9.5mm) Sq. Dr.
	Two-Step Dog		20 tooth Gear			1/2"(12.7mm) Sq. Dr.
	Three-Step Dog		24 tooth Gear			5/8"(16.9mm) Sq. Dr.
	Quick Release Button		30 tooth Gear			3/4"(19.0mm) Sq. Dr.
	Flexible Head		36 tooth Gear			1"(25.4mm) Sq. Dr.
	Swivel Head		44 tooth Gear			1.1/2"(38.1mm) Sq. Dr.
	L/R Marking		45 tooth Gear			2.1/2"(63.5mm) Sq. Dr.
	Oval Shape Shank		60 tooth Gear			3.1/2"(88.9mm) Sq. Dr.
	Wobble-Fix					Caution



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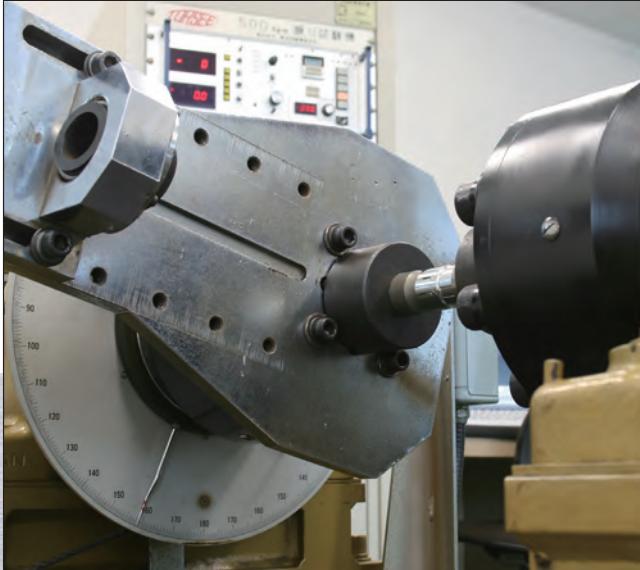
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■ TEST AND LABORATORY

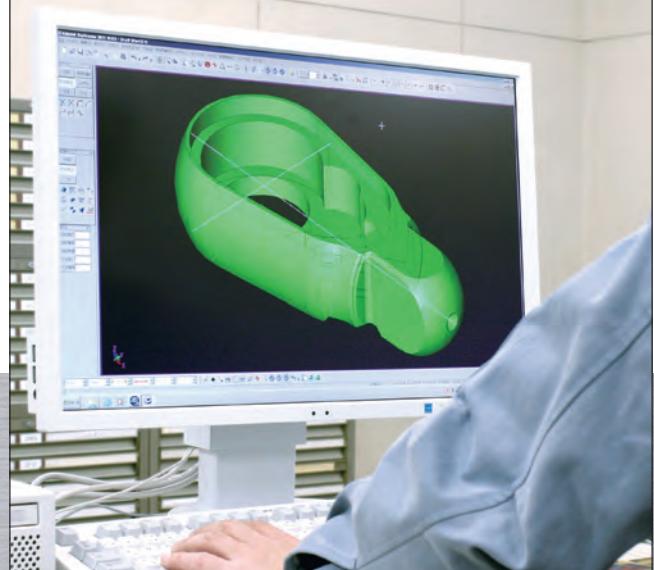


Ko-ken uses a variety of test equipment. Strength is measured by the Static Load Test Machine that can measure torque load up to 5,000Nm. Durability is measured by the Cyclic Test Machine and corrosion resistance testing is done by the Salt Spray Test Machine. The test results are used to improve our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

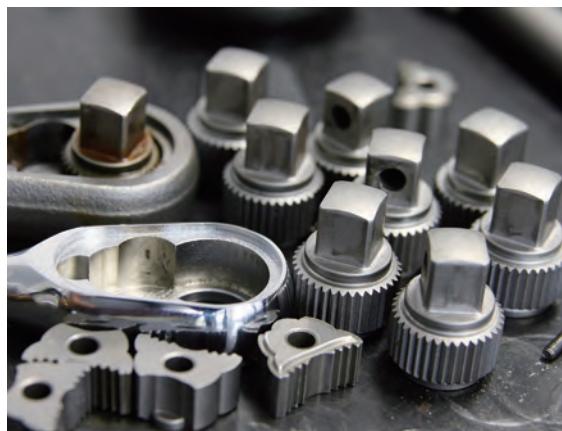


TEST AND LABORATORY

■ 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.



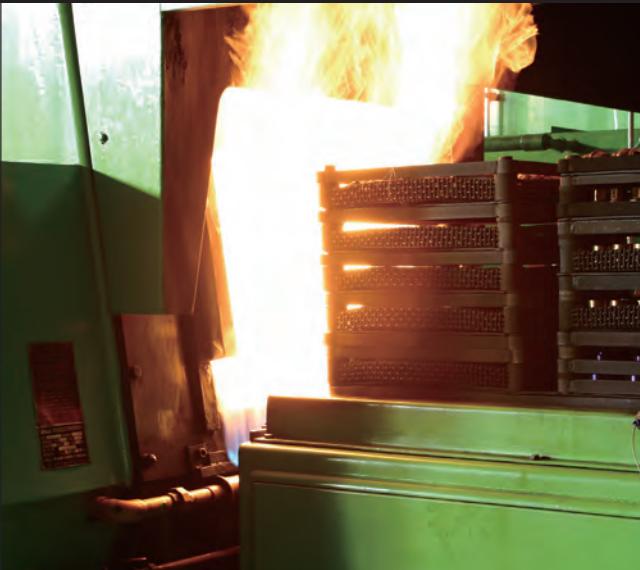
■ TURNING



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.



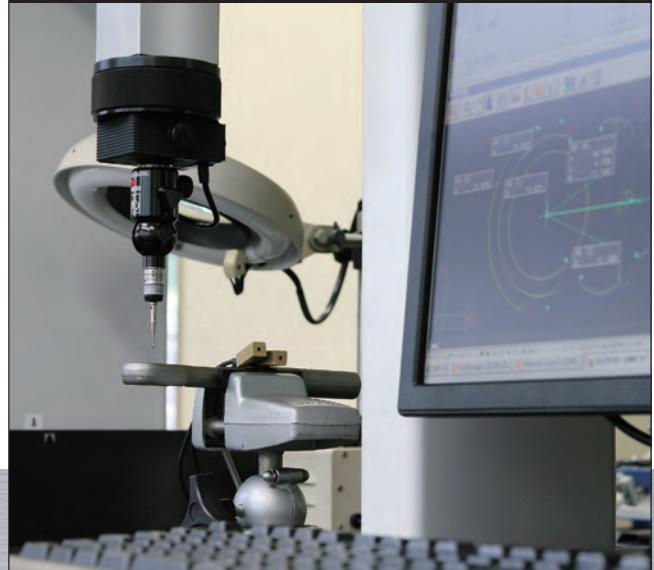
■ HEAT TREATMENT



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.

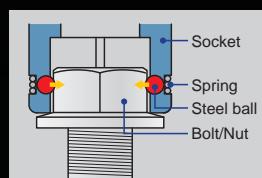
SOCKETS



NUT GRIP®



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

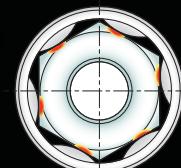


El perno/tuerca se sujetta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable.

SURFACE DRIVE



SURFACE DRIVE



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

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

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

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

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

RATCHET HANDLE



S.O.D.H-System®

Two dogs are located in the ratchet body so that the dogs and springs are held securely in place while allowing the reversing lever and dog to switch smoothly. The torque load on the gear it is transmitted vertically to the dog, and in turn, down the ratchet handle. This mechanism locks gears tightly in place while torque is being applied, thus avoiding any gear slippage.

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

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.



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



OVAL SHAPE
SHANK



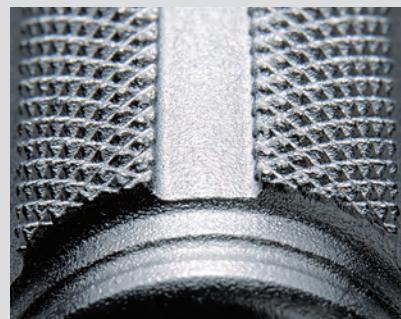
Unique designed oval shape shank provides extra strength and durability.

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

KNURLING



SERRATION GRIP



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



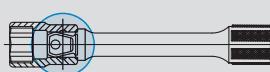
WOBBLE-FIX
EXTENSION BAR



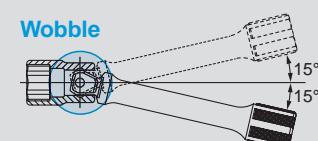
One use as a flexible extension bar permitting movement up to 15°angle and the other as a normal extension bar.

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

Fix



Wobble





STUD BOLT PULLER/SETTER

STUD BOLT PULLER



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



RATCHET PULLER



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

Three-roller protects the bolt from damage.

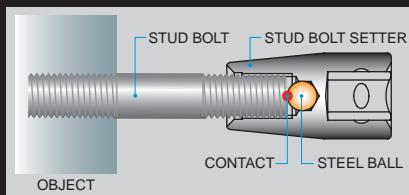


STUD BOLT
PULLER



STUD BOLT SETTER

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



STUD BOLT
SETTER



ATTACK DRIVER®

1 BLACK FINISHED HEAD

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



1 3 HEAT TREATMENT FOR ANTI-CRACK

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

3 SPRING

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



2 BODY SHAPE

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





FREE TURN
CROSS WRENCH

FREE-TURN GRIP



SPINNING CROSS WRENCH

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



FLEXIBLE SPEEDER

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



SPINNING SLIDE T-HANDLE

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



IMPACT WHEEL NUT SOCKET



► 22 Ko-ken

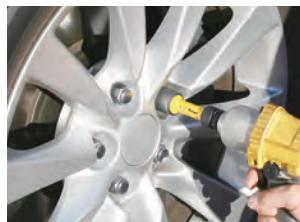


WHEEL NUT
SOCKET

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

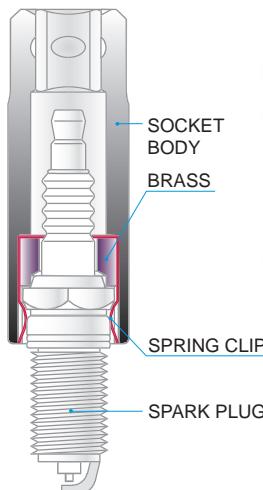
SPARK PLUG SOCKET

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.

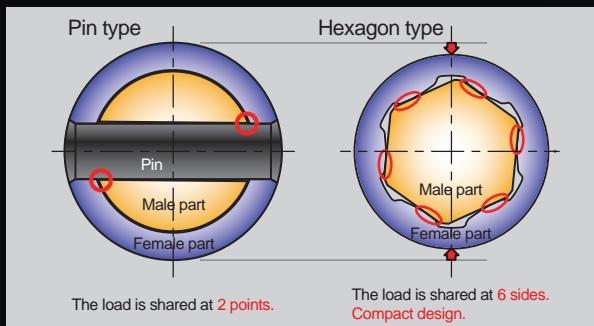
The brass guide also eliminates stress loading and possible damage to the ceramic insulator.





UNIVERSAL JOINT

**Hexahedral engagement
achieved with compact design**



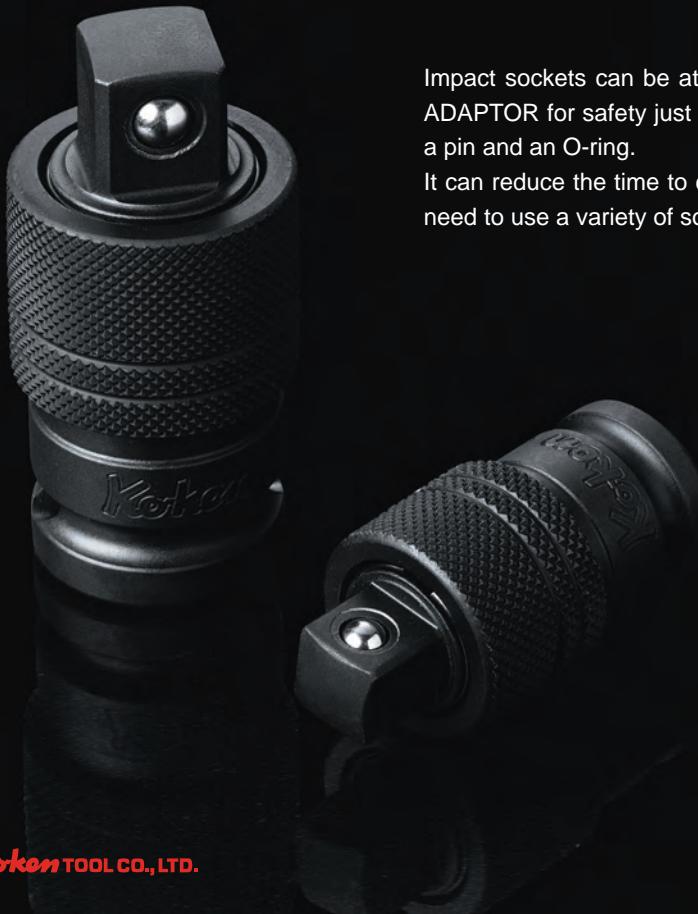
Ball type universal joints use a new structure of joint mechanism without a pin.

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

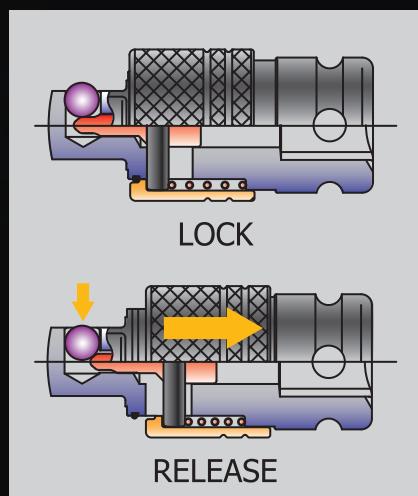


Impact sockets can be attached or detached on the LOCKING ADAPTOR for safety just by sliding the holder rather than using a pin and an O-ring.

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.

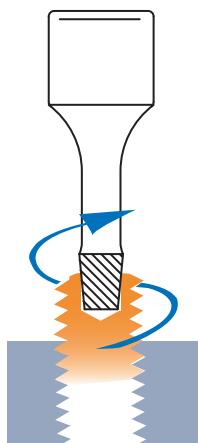
BOLTTWISTER®



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.



License



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.

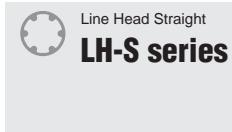
TORX® & TORXPLUS®



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Registered Trademarks

Koken®



Koken TOOL CO., LTD. ®

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

山下工業研究所®

山下工研®

S.O.D.H-System®

Flatdrive®

ATTACK DRIVER®

HANDY-ENDY®

PATHFINDER®

Nut Grip®

LOCK NUT BUSTER®

NUT TWISTER®

BOLT TWISTER®

Aerial Photograph



Warranty

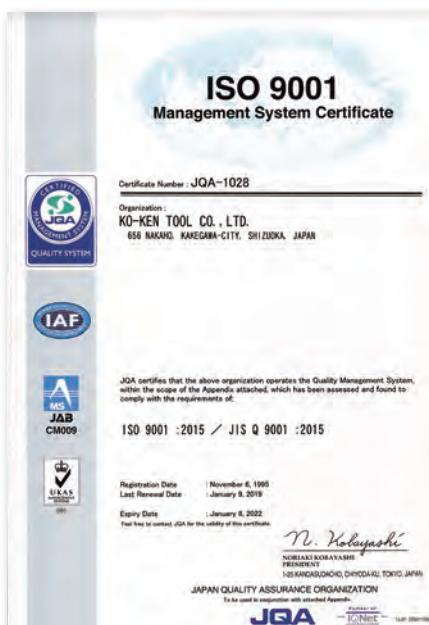
WARRANTY

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

GARANTIA

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

ISO9001





SAFETY
ADVISER



GENERAL / CONSIDERACIONES GENERALES

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

SOCKETS / VASOS

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

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

HANDLES / MANGOS

A ratchet is not a hammer

Una llave de carraca no es un martillo.

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

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

EXTENSION BARS / ALARGADERAS

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

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

ADAPTORS / ADAPTADORES

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

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



Z-series



Z-Series : Feature

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

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



1/4"



3/8"

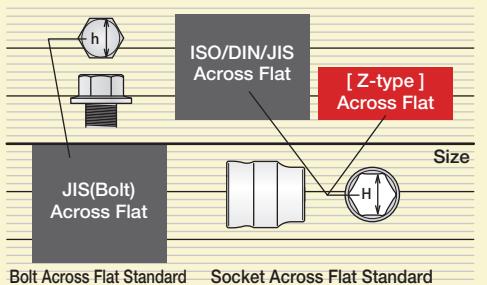


Z-series

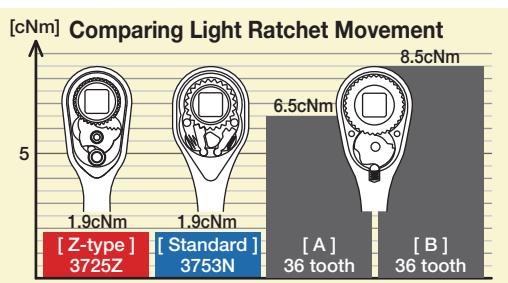
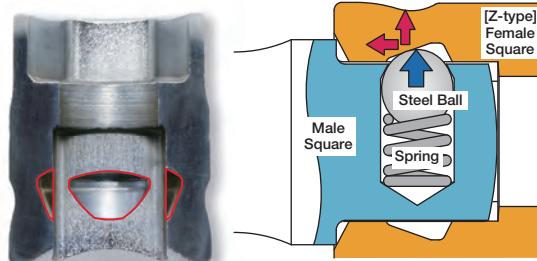
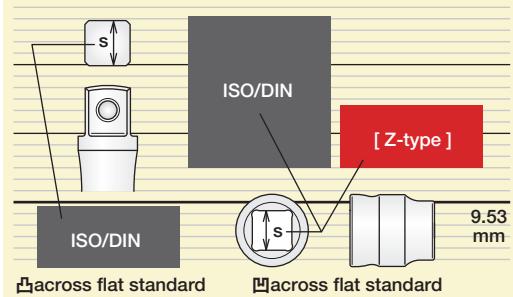
COMPACT

2400MZ, 3400MZ and 4400MZ are designed 5-14mm shorter than standard 2400M, 3400M and 4400M. Ideal for working in confined and tight areas.

Tolerance - Across Flat



Tolerance - Across Flat



* A, B : Other Brand

TOLERANCE-Hexagon Opening

Ko-ken standard sockets are manufactured according to DIN/ISO standards. The tolerances of Z-Series sockets are precisely controlled to achieve a more positive fit between bolt and socket.

TOLERANCE-Square Drive

Manufacturing tolerance of Male and Female Square are precisely controlled to achieve a more secure fit between Socket and Handle.

BALL HOLDING GROOVE

Original Ball Holding system is applied on Z-series. This mechanism gives secure connection between Socket and Handle.



RATCHET HANDLE

Smaller head with 36 tooth gear and light ratchet movement allow working in narrow space and confined areas.

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1/4"

Z-series

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
CONSTRUCCION

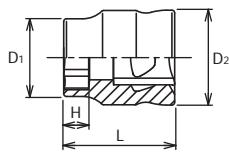
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

CONSTRUCCION
JUEGOS DE PIEZAS REPUESTO

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

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

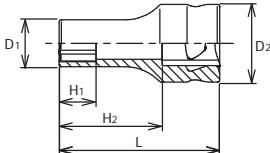
2400MZ ◎ 6-point Sockets Vasos Hexagonales



2300XZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (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	9 Pieces Set/Rail 200mm	g (g)
5.5, 6, 7, 8, 10, 11, 12, 13, 14	290	

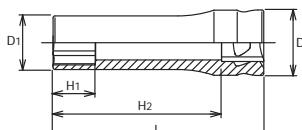
2300XZ ◎ 6-point Sockets, Semi-Deep Vasos Hexagonales, Medianos



2300MZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
4	6.4	11	5	41	50	14	10
4.5	7	11	5.5	41	50	16	10
5	7.6	11	6	41	50	16	10
5.5	8.2	11	6.5	41	50	16	10
6	8.8	11	7	41	50	17	10
7	9.9	11	8	41	50	20	10
8	11.1	11.7	9	41	50	22	10
10	13.5	12.5	11	41	50	29	10
11	14.7	13.2	12	41	50	33	10
12	15.9	14.4	13	41	50	40	10
13	17.1	15.6	14	41	50	45	10
14	18.3	16.8	16	41	50	51	10

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

2300MZ ◎ 6-point Deep Sockets Vasos Hexagonales Largos



RS2300MZ/12 ◎ Socket Set on Rail Juego de Vasos en Regleta



Z-series

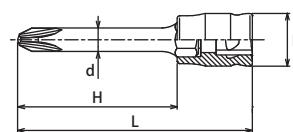
1/4"

Z-SERIES

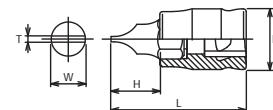
HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALPROTECTOR
PROTECTORESAUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO**2000Z-28 · -50**Phillips Bit Sockets
Vasos con Punta Phillips

2000Z.28 (PH)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
1	11.2	12	28	9	10
2	11.2	12	28	10	10
3	11.2	12	28	10	10

2000Z.50 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
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**Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada

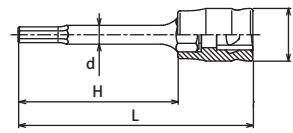
2005Z.25	T x W (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
5	1.0 x 5.5	11.2	9	25	9	10
6	1.2 x 6.5	11.2	9	25	10	10

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

2010MZ.25 (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3	11.2	9	25	9	10
4	11.2	9	25	9	10
5	11.2	9	25	10	10
6	11.2	9	25	10	10



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

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

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

1/4"

Z-series

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
PROTECTORES

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

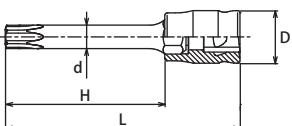
2025Z.28 (T)	D (mm)	H (mm)	L (mm)		(g)		(pcs.)
T10	11.2	12	28		9		10
T15	11.2	12	28		9		10
T20	11.2	12	28		9		10
T25	11.2	12	28		10		10
T27	11.2	12	28		10		10
T30	11.2	12	28		10		10
T40	11.2	12	28		11		10

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

2025Z-28 · -50



TORX® Bit Sockets
Vasos con Punta TORX®



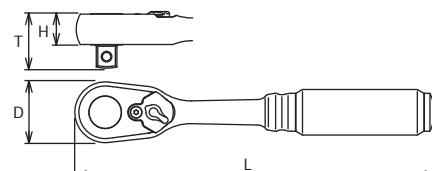
RS2025Z/7-L28	7 Pieces Set/Rail 200mm		(g)
T10, T15, T20, T25, T27, T30, T40		195	

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

RS2025Z/7-L28 • RS2025Z/7-L50



Socket Set on Rail
Juego de Vasos en Regleta



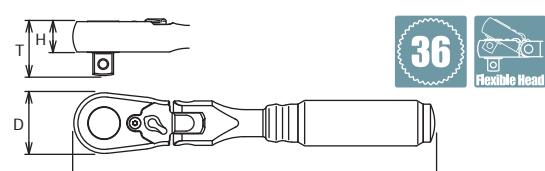
36

	D (mm)	T (mm)	H (mm)	L (mm)		(g)		(pcs.)
2725Z	20.5	17.1	9.5	114		79		2
2725Z-160	20.5	17.1	9.5	160		120		2

* Renewal Kits → 2725RK ➔ P305

2725Z 2725Z-160

Reversible Ratchet
Llave de Carraca Reversible



36



	D (mm)	T (mm)	H (mm)	L (mm)		(g)		(pcs.)
2726Z	20.5	17.1	9.5	114		103		2
2726Z-160	20.5	17.1	9.5	160		150		2

* Renewal Kits → 2725RK ➔ P305

2726Z 2726Z-160

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



Z-series

1/4"

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

SLEEVE-DRIVE

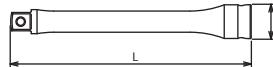
INDUSTRIAL

PROTECTOR
PROTECTORES

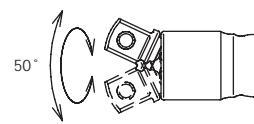
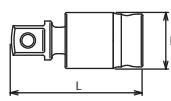
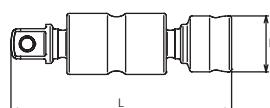
AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO**2760Z**Extension Bars
Alargaderas

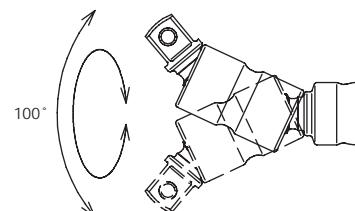
2760Z	D (mm)	L (mm)	(g)	(pcs.)
50	11.5	50	21	10
100	11.5	100	39	10
150	11.5	150	58	10

**2771Z**Universal Joint
Articulación Universal

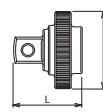
2771Z	D (mm)	L (mm)	(g)	(pcs.)
2771Z	11.7	29.9	15	10

**2772Z**Universal Joint
Articulación Universal

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

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

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

**2756Z-3/8**

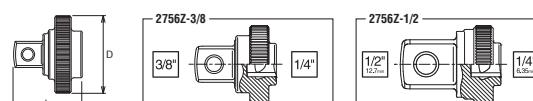
Quick Spinner, Adaptor

2756Z-1/2

2756Z-3/8

2756Z-1/2

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



1/4"

Z-series

Z-SERIES

HAND
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AUTOMOTIVE

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

P2285Z
PLASTIC CASE:W245xH120xT45

26 Pieces Set/ Δ =660g

Sockets	Accessories	
2400MZ 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14	2725Z	
2000Z.28 1, 2, 3	2756Z	
2005Z.25 5, 6	2771Z	
2010MZ.25 3, 4, 5, 6	2760Z-50	
	2760Z-100	
	2760Z-150	

2286Z
BLACK METAL CASE:W240xH100xT32mm

17 Pieces Set/ Δ =780g

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	

2285ZE
Rail 200mm/PLASTIC BAG

10 Pieces Set/ Δ =300g

Sockets	Accessories	
2400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14	2725Z	
	2756Z	

P2285Z
Socket Set
Juego de Vasos



2286Z
Socket Set
Juego de Vasos



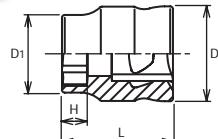
2285ZE
Socket Set
Juego de Vasos



Z-series

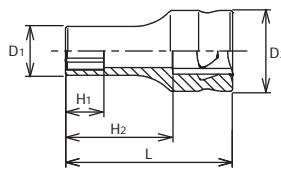
3/8"

Z-SERIES

3400MZ6-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/8Socket Set on Rail
Juego de Vasos en Regleta**RS3400MZ/12****3300XZ**6-point Sockets, Semi-Deep
Vasos Hexagonales, Medianos

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	

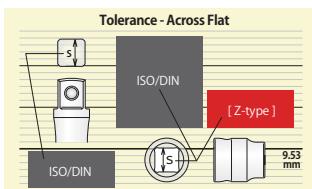
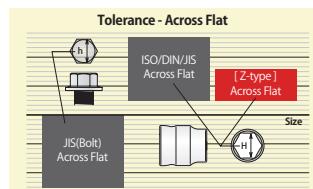
RS3300XZ/8Socket Set on Rail
Juego de Vasos en Regleta**RS3300XZ/12**

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

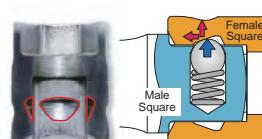
RS3300XZ/8Socket Set on Rail
Juego de Vasos en Regleta**RS3300XZ/12**

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	



Manufacturing tolerance is precisely controlled to achieve a secure fitting.

**BALL HOLDING GROOVE**

Original Ball Holding system is applied on Z-series. This mechanism gives secure connection between Socket and Handle.

3/8"

Z-series

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

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ACCESORIOS

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INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
PROTECTOR

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

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	

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.



3300PZ (mm)	D (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)
14	17.9	8	70	56	10
16	20	8	70	55	10

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

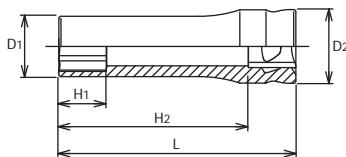


 The magnet could be broken with any impacts. Please handle with care.

3300MZ



6-point Deep Sockets
Vasos Hexagonales Largos



RS3300MZ/8



Socket Set on Rail
Juego de Vasos en Regleta

RS3300MZ/12



RS3X00MZ/12



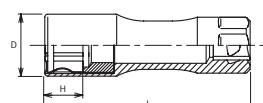
Socket Set on Rail
Juego de Vasos en Regleta



3300CZ



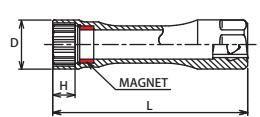
Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

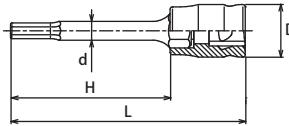


3305PZ



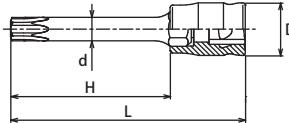
Spark Plug Socket with Magnet, 12-pt. opening
Llaves de bujía con Imán, Boca Bihex



3010MZ-50 · -75Inhex 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-L50Socket Set on Rail
Juego de Vasos en Regleta**RS3010MZ/8-L75****3025Z-50 · -75**TORX® Bit Sockets
Vasos con Punta TORX®

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

RS3025Z/8-L50Socket Set on Rail
Juego de Vasos en Regleta**RS3025Z/8-L75**

3025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	17	3	23.5	50	27	10
T15	17	3.5	23.5	50	28	10
T20	17	3.9	23.5	50	28	10
T25	17	4.5	23.5	50	29	10
T27	17	5	23.5	50	30	10
T30	17	5.6	23.5	50	31	10
T40	17	6.7	23.5	50	35	10
T45	17	7.83	23.5	50	38	10
T50	17	8.90	23.5	50	48	10
T55	19	11.3	23.5	50	70	10

3025Z.75 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
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	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

3/8"

Z-series

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

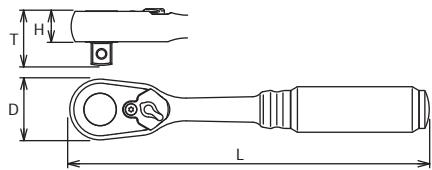
IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
PROTECTORES

CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



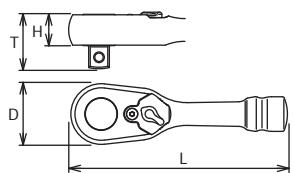
36

	D (mm)	T (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
2725Z-3/8	20.5	20.5	9.5	114	83	2
New 2725Z-3/8 (L160)	20.5	20.5	9.5	160	120	2

* Renewal Kits → 2725RK-3/8 ➔ P305

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

2725Z-3/8 (L160)

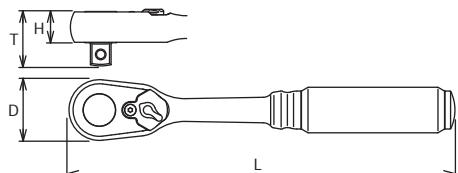


36

	D (mm)	T (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3725ZS	28	24.5	13.7	100	157	2

* Renewal Kits → 3725RK ➔ P305

3725ZS
Reversible Ratchet Short
Llave de Carraca Reversible Corta



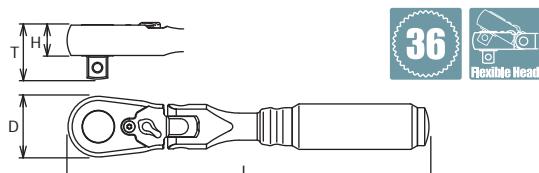
36

	D (mm)	T (mm)	H (mm)	L (mm)	 (g)	 (pce.)
3725Z	28	24.5	13.7	178	254	1
3725Z-280	28	24.5	13.7	280	360	1

* Renewal Kits → 3725RK ➔ P305

3725Z
3725Z-280

Reversible Ratchet
Llave de Carraca Reversible



36



	D (mm)	T (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
2726Z-3/8	20.5	20.5	9.5	114	107	2
New 2726Z-3/8 (L160)	20.5	20.5	9.5	160	130	2

* Renewal Kits → 2725RK-3/8 ➔ P305

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

2726Z-3/8 (L160)



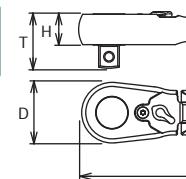
Z-series

3/8"

Z-SERIES

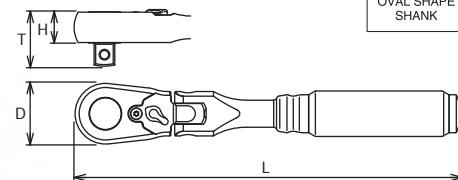
HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
SLEEVE-DRIVEINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO**3726ZS**Flexible Ratchet, Reversible (Short)
Llave de Carraca Flexible, Reversible (Corta)**36**

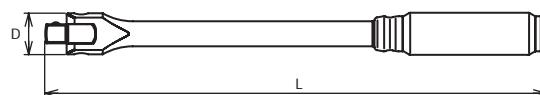
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3726ZS	28	24.5	13.7	120	196	2

* Renewal Kits → 3725RK ➔ P305

3726ZFlexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible**3726Z-280****36**OVAL SHAPE
SHANK

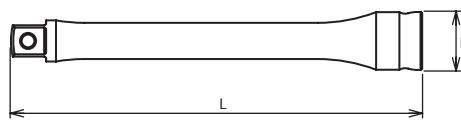
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3726Z	28	24.5	13.7	178	317	1
3726Z-280	28	24.5	13.7	280	420	1

* Renewal Kits → 3725RK ➔ P305

3768Z-250Hinge Handle
Mango Articulado**3768Z-400**OVAL SHAPE
SHANKRENEWAL KIT FOR
HINGE HANDLE

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

* Renewal Kits → 3768ZRK ➔ P306

3760ZExtension Bars
Alargaderas

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

3/8"

Z-series

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

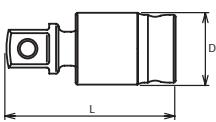
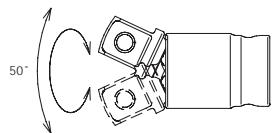
SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

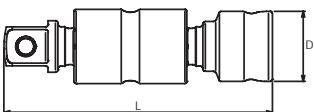
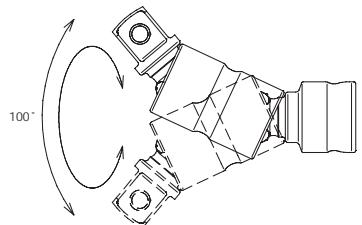
	D (mm)	L (mm)		(g)		(pcs.)
3771Z	18	42.5		44		10



3771Z Universal Joint
Articulación Universal



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



3772Z Universal Double Joint
Articulación Universal

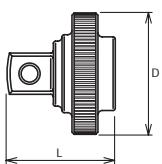


	D (mm)	L (mm)		(g)		(pcs.)
3756Z	28	25		40		10

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



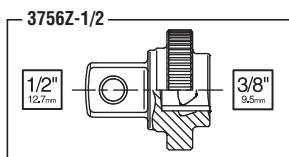
3756Z Quick Spinner
Disco de Giro Rápido



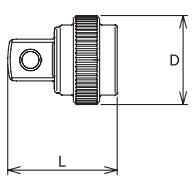
	D (mm)	L (mm)		(g)		(pcs.)
3756ZS	20.3	25		26		10

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

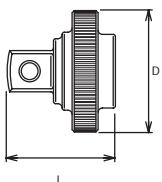
	D (mm)	L (mm)		(g)		(pcs.)
New 3756Z-1/2	28	29		52		10



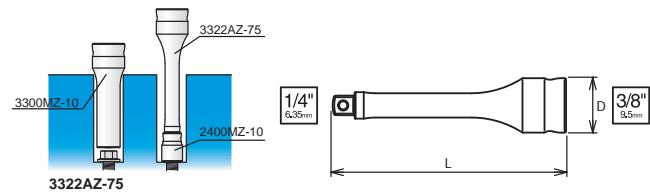
3756ZS Quick Spinner
Disco de Giro Rápido



3756Z-1/2 Quick Spinner, Adaptor



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



3322AZ-75 Extension Adaptor
Adaptador Alargadera



Z-series

3/8"

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
SLEEVE-DRIVEINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO**3285Z**Socket Set
Juego de Vasos**3285ZA**Socket Set
Juego de Vasos**3286Z**Socket Set
Juego de Vasos**3285ZE**Socket Set
Juego de Vasos**RSAL200**Rail
Regleta**RSAL300****RSAL
CLIP.P/5****3285Z**

PLASTIC TRAY:W390xT180xH25

Sockets

3400MZ 6-pt. Sockets
5, 5, 6, 7, 8, 10, 12, 13, 14,
17, 19, 21, 223300MZ 6-pt. Deep
Sockets
8, 10, 12, 143300CZ Spark Plug
Sockets
14, 16, 20.826 Pieces Set/ $\Delta\Delta=2,100g$

Accessories

3725Z
3756Z
3771Z
3768Z-2503760Z-75
3760Z-125
3760Z-250**3285ZA**

PLASTIC TRAY:W300xT90xH25

Sockets

3400MZ 6-pt. Sockets
5.5, 6, 7, 8, 10, 12, 13, 14,
17, 19, 21, 2215 Pieces Set/ $\Delta\Delta=750g$

Accessories

3725Z
3756Z
3771Z**3286Z**

BLACK METAL CASE:W415xH120xT50mm

Sockets

3400MZ 6-pt. Sockets
7, 8, 10, 11, 12, 13, 14,
15, 16, 17, 18, 19, 21, 2221 Pieces Set/ $\Delta\Delta=2,600g$

Accessories

3725Z
3756Z
3771Z
3768Z-250
3760Z-75
3760Z-125
3760Z-250**3285ZE**

Rail 200mm/PLASTIC BAG

Sockets

3400MZ 6-pt. Sockets
8, 10, 12, 13, 14, 17, 199 Pieces Set/ $\Delta\Delta=600g$

Accessories

3725Z
3756Z**RSAL200**RAIL
(mm)CLIP
(pcs.)

(g)

(pce.)

RSAL200		RAIL (mm)	CLIP (pcs.)	(g)	(pce.)
1/4×12		200	12	125	1
3/8×8		200	8	130	1

RSAL300RAIL
(mm)CLIP
(pcs.)

(g)

(pce.)

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

RAILRAIL
(mm)

(g)

(pce.)

RSAL200	200	110	1
RSAL300	300	145	1
RSAL400	400	210	1

CLIPCLIP
(p/5)

(g)

(pcs.)

CLIP.P/5		(g)	(pcs.)
1/4		10	5
3/8		13	5
1/2		20	5

1/2"

Z-series

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE

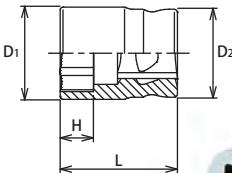
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4400MZ (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)
8	12.6	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	10 Pieces Set/Rail 300mm	⚖ (g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		830

4400MZ

6-point Sockets
Vasos Hexagonales



RS4400MZ/10

Socket Set on Rail
Juego de Vasos en Regleta



4725Z

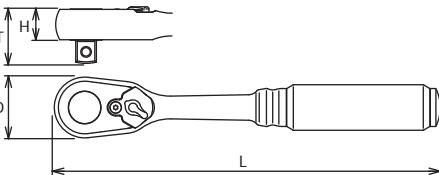
Reversible Ratchet
Llave de Carraca Reversible



	D (mm)	T (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)
4725Z	36.5	32.8	18.2	253	590	1

* Renewal Kits → 4725RK ➔ P305

36



	D (mm)	L (mm)	⚖ (g)	📦 (pce.)
4768Z-430	28	430	720	2

* Renewal Kits → 4768ZRK ➔ P306



RENEWAL KIT FOR
HINGE HANDLE

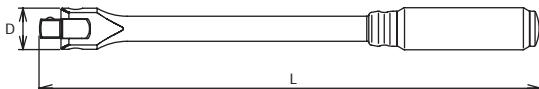


OVAL SHAPE
SHANK



4768Z-430

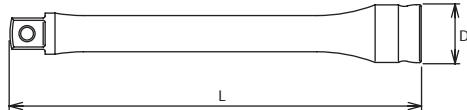
Hinge Handle
Mango Articulado



4760Z	D (mm)	L (mm)	⚖ (g)	📦 (pce.)
125	22.5	125	180	5
250	22.5	250	340	5

4760Z

Extension Bars
Alargaderas



Z-series

1/2"

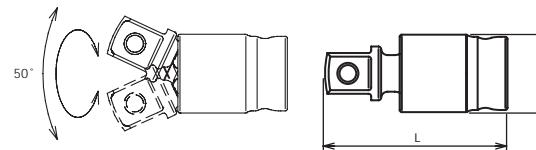
Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

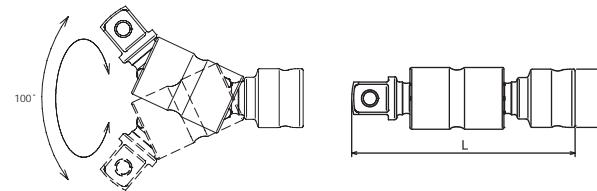
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

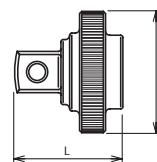
AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO**4771Z** Universal Joint
Articulación Universal

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

4772Z Universal Double Joint
Articulación Universal

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

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**4285Z** 21 Pieces Set/ $\Delta\Delta=4,800\text{g}$

METAL CASE: W445xT190xH50

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

4285ZE Socket Set
Juego de Vasos**4285ZE** 11 Pieces Set/ $\Delta\Delta=1,380\text{g}$

Sockets	Accessories
4400MZ 6-pt. Sockets 10, 12, 13, 14, 17, 19, 21, 22, 24	4725Z
	4756Z

1/4"

3/8"

1/2"

3/4"

1"

Hand Sockets



Hand Sockets

RENEWAL KITS CONSTRUCTION AUTOMOTIVE
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN AUTOMÓVIL

HAND MANUALES

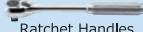
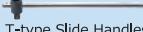
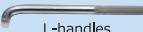
ACCESORIES ACCESORIOS

IMPACT DE IMPACTO

SLEEVE-DRIVE INDUSTRIAL

AUTOMOTIVE PROTECTOR PROTECTORES

Hand Sockets		Square Drive									
		1/4"(6.35mm)SQ.		3/8"(9.5mm)SQ.		1/2"(12.7mm)SQ.		3/4"(19mm)SQ.		1"(25.4mm)SQ.	
No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
 Standard Sockets	6-point	2400M mm 40 2400A inch 40 2400W BA 41	3400M mm 60 3400A inch 60 3400W BSW 61	4400M mm 96 4400A inch 97 4400W BSW 97	6400M mm 126 6400A inch 126	8400M mm 134 8400A inch 134					
	12-point	2405M mm 40 2405A inch 40 AS2405A inch 40	3405M mm 60 3405A inch 60 3405W BSW 61	4405M mm 96 4405A inch 97 4405W BSW 97	6405M mm 126 6405A inch 126	8405M mm 134 8405A inch 134					
	Surface	2410M mm 41	3410M mm 61	4410M mm 98							
	NUT GRIP®	2450MS mm 42	3450M mm 63 3450MH mm 63	4450M mm 99							
	TORX® (E)	2425 TORX® 42	3425 TORX® 62	4425 TORX® 98 4425-N TORX® 98	6425 TORX® 126						
	TORX®(E) (NUT GRIP®)		3425(2B) TORX® 63	4425-EPL TORXplus® 99							
	TORXplus® (EP)										
	LH-S		3400LH LH-STIX® 62	4400LH LH-STIX® 99							
 Semi Deep Sockets	Double Square	2415M mm 41 2415A inch 41	3415M mm 62 3415A inch 62								
	6-point	2300X mm 42	3300X mm 64 3300XA mm 64								
	12-point		3305X mm 64 3305XA mm 64								
 Deep Sockets	NUT GRIP®	2350X mm 42	3350X mm 64								
	6-point	2300M mm 43 2300A inch 43 2300W BA 44	3300M mm 65 3300A inch 65 3300W BSW 66	4300M mm 100 4300A inch 100	6300M mm 127 6300A inch 127						
	12-point	2305M mm 43 2305A inch 43 AS2305A inch 43	3305M mm 65 3305A inch 65 3305W BSW 66	4305M mm 100 4305A inch 100	6305M mm 127 6305A inch 127						
	Surface	2310M mm 44	3310M mm 66	4310M mm 101							
	NUT GRIP®	2350M mm 44	3350M mm 67								
	TORX® (E)	2325 TORX® 44	3325 TORX® 67	4325 TORX® 101							
 Extra Deep Sockets	Flare Nut		3300FN mm 67								
	6-point		3300M(L120) mm 68	4300M(L120) mm 100							
	12-point		3305M(L120) mm 68								
	NUT GRIP®		3350M(L120) mm 68								
	TORX® (E)			4325(L140) TORX® 101							
 Extension Sockets	TORX®(E) (NUT GRIP®)			4325(L140)-2B TORX® 101							
	12-point		3117M mm 71	4117M mm 102							
 Universal Sockets	6-point	2440M mm 45 2440A inch 45	3440M mm 69 3440A inch 69	4440M mm 102 4440A inch 102							
	12-point	2445M mm 45 2445A inch 45 AS2445A inch 45	3445M mm 69 3445A inch 69 3445W BSW 69	4445M mm 102 4445A inch 102							
	NUT GRIP®	2441M mm 45	3441M mm 70								
 Universal Deep Sockets	TORX® (E)	2440T TORX® 45	3440T TORX® 69	4440T TORX® 102							
	6-point		3340M mm 70								
 Bit Sockets	PH	2000 PH 46	3000 PH 71	4000 PH 103							
	PZ	2000(PZ) PZ 46	3000(PZ) PZ 71	4000(PZ) PZ 103							
	Slotted	2005 Slotted 46	3005 Slotted 71	4005 Slotted 103							
		3006 Slotted 79	4006 Slotted 103								
	Hexagon	2010M mm 47 2010A inch 47	3010M mm 72 3010A inch 72 3012M mm 73 3012A inch 73	4010M mm 104 4010A mm 104 4012M mm 108 4012A mm 109	6012M mm 127	8012M mm 135					
	Hexagon (Grip Ring)		3015M mm 74								
	Hexagon (Ball Point)	2011M mm 47	3011M mm 74								
	XZN (Triple Square)	2020 XZN 47	3020 XZN 75	4020 XZN 105							
	TORX® (T)	2025(T) TORX® 48	3025(T) TORX® 76	4025(T) TORX® 106							
	TORX® (TH)	2025(TH) TORX® 48	3025(TH) TORX® 77								
	TORXplus® (IP)	2025(IP) TORXplus® 49	3025(IP) TORXplus® 78	4025(IP) TORXplus® 107							
	TORXplus® (IPR)	2025(IPR) TORXplus® 49	3025(IPR) TORXplus® 78								
	Ribe CV		3027 Ribe CV 79	4027 Ribe CV 107							
 Universal Bit Sockets	Hexagon	2430M mm 46	3430M mm 70								
	TORX® (T)	2430T TORX® 6									

Handles/Accessories		Square Drive									
		1/4"(6.35mm)SQ. No. Page		3/8"(9.5mm)SQ. No. Page		1/2"(12.7mm)SQ. No. Page		3/4"(19mm)SQ. No. Page		1"(25.4mm)SQ. No. Page	
 Ratchet Handles	Standard	2753 series 2752 series	50-51 51	3749N 3753 series 3752 series	80 82-83 81	4749N-250 4753 series 4750 series 4752 series	110 112-113 111 112	6749 6752	128 128	8749	136
	Short	2753PS series	50	3749S series	80						
	Long	2753P-160	50	3753P-250	82	4749-380 series 4753P-410	110 112	6749-1000	128	8749-1000	136
	Compact			2749-3/8 series	80	3749S-1/2 series	110				
	Others			3753SM series 3757	82-83 87						
 Flexible Ratchet Handles	Standard	2774 series	52	3774 series	84-86	4774 series	114-115				
	Short	2774PS 2774JS	51 51	3774PS	84						
	Long					4774P-450	114				
	Compact			2774-3/8 series	84						
	Swivel Head			3776 series	81						
	Speeder			3774P-SR	85						
 Hinge Handles	Standard	2768 series	53	3768-250 series	89	4768-380 series	116	6768	130	8768	136
	Short			3768N-175	89	4768N-300	116				
	Long			3768N-300	89	4768-450 series	116	6768-600	130	8768-1000	136
	Extra Long			3768P-380	89	4768-600 series	116	6768-1000	130		
 T-type Slide Handles	Standard	2785 series	55	3785	91	4785	119	6785	130	8785	136
	Long									8785-700	136
 Spin Type Handles	Standard	2769N	54	3769N	90						
	Wobble-Fix	2769NWF	54	3769NWF	90						
	Others	2769F 2769H	54 54	3769H	90						
 L-handles						4788 4747	119 119	6788	130	8788	136
 Speed Handles	Standard	2780	55	3780	91	4780-400	118				
	Flexible					4781N-450	117				
 Extension Bars	Standard	2760	53	3760	88	4760	118	6760	129	8760	135
	Wobble-Fix	2763	53	3763	88	4763	118				
	Flexible	2762	52	3762	87						
 Universal Joints	2770 2771	55 55	3770 3771	90 90	4770 4771	117 117	6770	131	8770	135	
 Adaptors	2233A	55	3322A 3344A	91 91	4433A 4466A	119 119	6644A 6688A	131 131	8866A	135	
 Ratchet Adaptors	2755	52	3755	87	4755	117	6755	129			
 Quick Spinners	2756	52	3756	87	4756	117					

Hand Sockets **1/4"**

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

IMPACT
DE IMPACTO

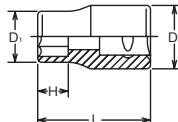
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES

PROTECTOR
AUTOMOTIVE
CONSTRUCTION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCCIÓN

2400M • 2400A

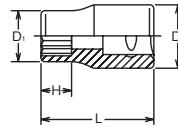
6-point Sockets
Vasos Hexagonales



2400M 2405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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 (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



RS2400M/12	12 Pieces Set/Rail 200mm	g (g)
New	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

12



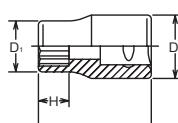
RS2405M/12	12 Pieces Set/Rail 200mm	g (g)
New	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	200

RS2400A/9	9 Pieces Set/Rail 150mm	g (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 (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 (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 (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



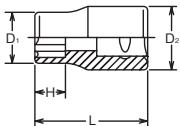
1/4" Hand Sockets

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)
New	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	222

2410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



RS2410M/12

Socket Set on Rail
Juego de Vasos en Regleta

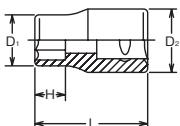


2400W (BA)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)
8	6.1	11.2	3	22	7	10
7	7.3	11.2	4	22	8	10
6	8	11.2	5	22	8	10
5	8.5	11.2	5.5	22	9	10
4	9.6	11.2	5.8	22	9	10
3	10.3	11.2	6	22	9	10
2	11.2	11.7	6.9	22	11	10
1	13	12	7.3	22	12	10
0	14.9	13.6	8	22	16	10

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

2400W-BA

6-point Sockets
Vasos Hexagonales



RS2400W/9-BA

Socket Set on Rail
Juego de Vasos en Regleta



BA



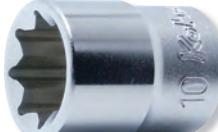
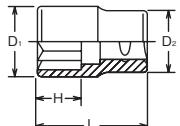
BA	8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
Across Flat (ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

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

2415M • 2415A

Double Square Sockets
Vasos Octagonales



Z-SERIES
MANUALES
HAND

TITANIUM
ACCESORIES
SCREWDRIVERS
DESTORNILLADORES

IMPACT
SLEEVE-DRIVE
INDUSTRIALES

PROTECTOR
AUTOMOTIVE

CONSTRUCTION
RENWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **1/4"**

HAND
MANUALES

TITANIUM
DE TITANIO

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
DESTORNILLADORES

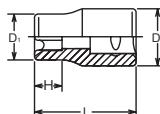
INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

2425  TORX® Sockets
Vasos TORX®



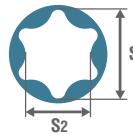
RS2425/6   Socket Set on Rail
Juego de Vasos en Regleta



2425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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

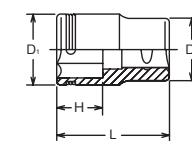
RS2425/6	6 Pieces Set/Rail 150mm	 (g)
E4, E5, E6, E7, E8, E10		85

**TORX®
(E)**



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
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

2450MS  Nut Grip Sockets **Nut Grip®**
Vasos Sujeta-tuerca Nut Grip®



NUT GRIP®

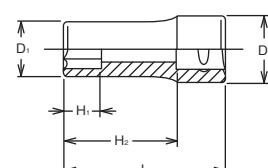
2450MS (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
7	11.3	11.2	4	18	8	10
8	12.3	11.2	5	18	9	10
10	14.3	12.9	6	19	13	10
12	17.4	16	7	20	22	10
13	18	16.4	8	20	22	10
14	19.9	18	8.5	22	31	10

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



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

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



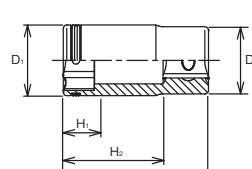
RS2300X/12   Socket Set on Rail
Juego de Vasos en Regleta



2300X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (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

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

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



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



NUT GRIP®

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



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

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX es una marca registrada de Acument Intellectual Properties, LLC.

1/4" Hand Sockets

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

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

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 (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	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	

2300M • 2300A

6-point Deep Sockets
Vasos Hexagonales Largos



FLAT DRIVE®

2305M • 2305A

12-point Deep Sockets
Vasos Bihexagonales Largos



FLAT DRIVE®

RS2300M/12

Socket Set on Rail
Juego de Vasos en Regleta

RS2305M/12

Socket Set on Rail



RS2300A/9

Socket Set on Rail
Juego de Vasos en Regleta

RS2305A/9

Socket Set on Rail



AS2305A

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



RSAS2305A/10

Socket Set on Rail
Juego de Vasos en Regleta



Z-SERIES
MANUALES

HAND
ACCESORIES
SCREWDRIVERS

IMPACT
SLEEVE-DRIVE

INDUSTRIALES
PROTECTORES

AUTOMOTIVE
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **1/4"**

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
VASES DE IMPACTO

INDUSTRIAL
INDUSTRIALES

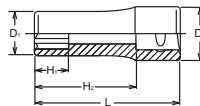
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



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 Socket Set on Rail
Juego de Vasos en Regleta



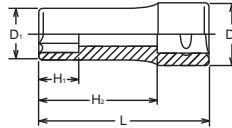
RS2310M/12 12 Pieces set/Rail 200mm

New 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14

(g)

400

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



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

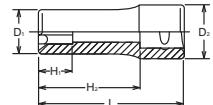
BA



BA	8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
Across Flat (ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49

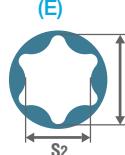
Across Flat (ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413
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2325 TORX® Deep Sockets
Vasos TORX® Largos



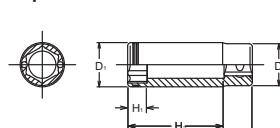
2325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	12	4.6	40	50	17	10
E 5	6.8	12	5.2	40	50	20	10
E 6	8	12	5.4	40	50	20	10
E 7	8.3	12	6.6	40	50	22	10
E 8	9.8	12	7	40	50	25	10
E10	11.6	12	8.2	40	50	29	10

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



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



RS2350M/4 4 Pieces Set/Rail 150mm

8, 10, 12, 14

(g)

220

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



1/4" Hand Sockets

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

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

2445A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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 (g)
3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16	220	

AS2445A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
E 6	8	13	5.4	31.9	20	10
E 8	9.8	13	7	33.1	20	10
E10	11.7	13	8.2	33.6	21	10
E12	14.2	13	9.3	35.1	24	10

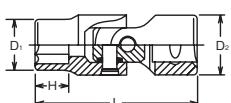
2441M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
7	11.3	13	4	33	19	10
8	12.3	13	5	32	19	10
10	14.5	13	6	32.5	21	10
12	16.8	13	7	34	21	10
13	18	13	8	35	21	10
14	20	13	8.5	37	28	10



2440M • 2440A

6-point Universal Sockets

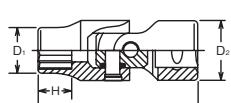
Vasos Hexagonales con Articulación Universal



2445M • 2445A

12-point Universal Sockets

Vasos Bihexagonales con Articulación Universal



RS2445A/9

Socket Set on Rail

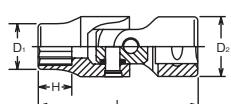
Juego de Vasos en Regleta



AS2445A

12-point Universal Sockets

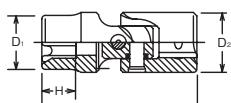
Vasos Bihex con Articulación Universal



2440T

TORX® Universal Sockets

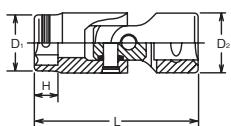
Vasos TORX® con Articulación Universal



2441M

Nut Grip Universal Sockets Nut Grip®

Vasos Sujeta-Tuerca con Articulación Universal



Hand Sockets **1/4"**

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES

ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIALES
PROTECTOR
PROTECTORES

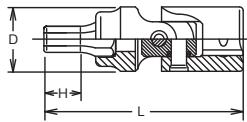
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2430M

 Universal Inhex Sockets

Vasos Hexagonales con Articulación Universal



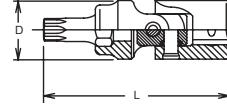
2430M (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3	13	5.5	40	18	10
4	13	5.5	40	18	10
5	13	6.5	40	20	10
6	13	7.5	40	21	10

2430T



TORX® Universal Sockets

Vasos TORX® con Articulación Universal



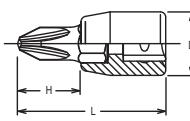
2430T (T)	D (mm)	L (mm)	 (g)	 (pcs.)
T 8	13	42	22	10
T 9	13	42	22	10
T10	13	42	22	10
T15	13	42	22	10
T20	13	42	22	10
T25	13	42	22	10
T27	13	42	22	10
T30	13	42	22	10

2000-28 (PH)



Phillips Bit Sockets

Vasos con Punta Phillips



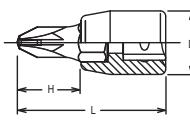
2000.28 (PH)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
1	11.9	12	28	10	10
2	11.9	12	28	11	10
3	11.9	12	28	12	10
4	13.1	11	28	14	10

2000-28 (PZ)



PZ Bit Sockets

Vasos con Punta PZ



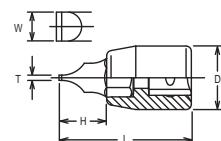
2000.28 (PZ)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
PZ1	11.9	12	28	10	10
PZ2	11.9	12	28	11	10
PZ3	11.9	12	28	12	10

2005-25



Slotted Bit Sockets

Vasos con Punta Recta para Cabeza Ranurada



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

1/4" Hand Sockets

2010M.25 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1.5	11.9	9	25	9	10
2	11.9	9	25	9	10
2.5	11.9	9	25	9	10
3	11.9	9	25	9	10
4	11.9	9	25	9	10
5	11.9	9	25	10	10
6	11.9	9	25	12	10
7	13.1	8	25	12	10
8	13.1	8	25	14	10
10	14.3	8	25	17	10
12	16.4	8	25	36	10

2010M.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2	11.9	84	100	30	10
2.5	11.9	84	100	30	10
3	11.9	84	100	30	10
4	11.9	84	100	30	10
5	13.1	83	100	30	10
6	13.1	83	100	35	10
7	13.1	83	100	35	10
8	13.1	83	100	38	10
10	14.3	83	100	45	10
12	16.4	83	100	107	10

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

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

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

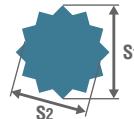
Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.



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

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

XZN

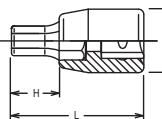


XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S ₁	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S ₂	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

2010M-25 · -100

2010A-25

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

RS2010M/7-L25

RS2010A/8-L25

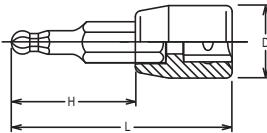
Socket Set on Rail
Juego de Vasos en Regleta



2011M-50



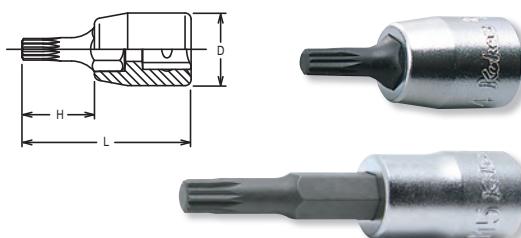
Ballpoint Inhex Bit Sockets
Vasos con Punta de Bola Inhex



2020-28 · -50



XZN Bit Sockets
Vasos con Punta XZN



Hand Sockets **1/4"**

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

PROTECTOR
PROTECTORES

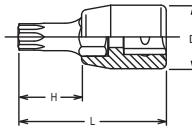
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2025-28 · -80 (T)



TORX® Bit Sockets
Vasos con Punta TORX®



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

2025.80 (T)	D (mm)	H (mm)	L (mm)		(g)	
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



Socket Set on Rail
Juego de Vasos en Regleta



RS2025/7-L28

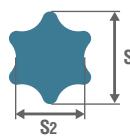
7 Pieces set/Rail 150mm

T10, T15, T20, T25, T27, T30, T40

(g)

119

**TORX®
(T)**

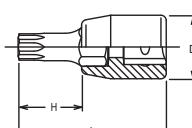


T	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S ₁ (ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S ₂ (ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

2025-28 (TH)



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



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

RS2025/7-HOLE



Socket Set on Rail
Juego de Vasos en Regleta



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

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

RS2025/7-HOLE

7 Pieces set/Rail 150mm

T10H, T15H, T20H, T25H, T27H, T30H, T40H

(g)

119



1/4" Hand Sockets

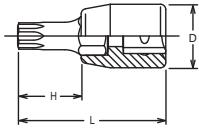
2025.28 (IP)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
8IP	11.9	12	28	10	10
9IP	11.9	12	28	10	10
10IP	11.9	12	28	10	10
15IP	11.9	12	28	10	10
20IP	11.9	12	28	11	10
25IP	11.9	12	28	11	10
27IP	11.9	12	28	12	10
30IP	11.9	12	28	12	10
40IP	11.9	12	28	13	10

2025-28 (IP)



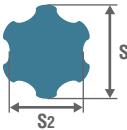
TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

TORXplus®



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

RS2025/7-IP



Socket Set on Rail
Juego de Vasos en Regleta



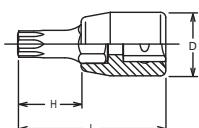
2025.28 (IPR)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
8IPR	11.9	12	28	10	10
9IPR	11.9	12	28	10	10
10IPR	11.9	12	28	10	10
15IPR	11.9	12	28	10	10
20IPR	11.9	12	28	11	10
25IPR	11.9	12	28	11	10
27IPR	11.9	12	28	12	10
30IPR	11.9	12	28	12	10
40IPR	13.1	12	28	13	10

2025-28 (IPR)



TORXPLUS® Bit Sockets, with Hole
Vasos con Punta de Cinco Lóbulos, con agujero

TORXplus®



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

RS2025/7-IPR



Socket Set on Rail
Juego de Vasos en Regleta



Hand Sockets **1/4"**

HAND
MANUALES

TITANIUM
DE TITANIO

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

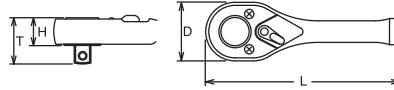
2753PS

Reversible Ratchet Short
Llave de Carraca Reversible Corta



* Renewal Kits → 2753RK ➔ P304

	D (mm)	T (mm)	H (mm)	L (mm)	$\ddot{\text{g}}$ (g)	(pcs.)
2753PS	22	18.7	11.4	75	55	5



2753N

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2753RK ➔ P304

2753P

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2753RK ➔ P304

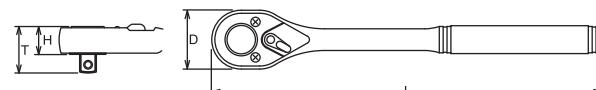
2753J

Reversible Ratchet
Llave de Carraca Reversible



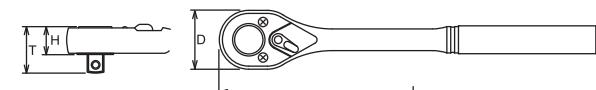
* Renewal Kits → 2753RK ➔ P304

	D (mm)	T (mm)	H (mm)	L (mm)	$\ddot{\text{g}}$ (g)	(pcs.)
2753N	22	18.7	11.4	115	90	10
2753P	22	18.7	11.4	115	87	10
2753J	22	18.7	11.4	115	77	5



2753P-160

Reversible Ratchet Long
Llave de Carraca Reversible Larga



* Renewal Kits → 2753RK ➔ P304

	D (mm)	T (mm)	H (mm)	L (mm)	$\ddot{\text{g}}$ (g)	(pcs.)
2753P-160	22	18.7	11.4	160	107	5

⚠ 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.

1/4" Hand Sockets



* Renewal Kits → 2753BRK ➔ P304



* Renewal Kits → 2753BRK ➔ P304



* Renewal Kits → 2753BRK ➔ P304

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

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

* Renewal Kits → 2752RK ➔ P304

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



* Renewal Kits → 2753RK ➔ P304



* Renewal Kits → 2753RK ➔ P304

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

2753NB

Reversible Ratchet with Quick Release Button

Llave de Carraca Reversible con botón de extracción rápida



2753PB

Reversible Ratchet with Quick Release Button

Llave de Carraca Reversible con botón de extracción rápida



2753JB

Reversible Ratchet with Quick Release Button

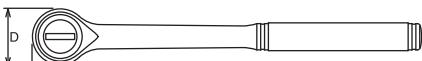
Llave de Carraca Reversible con botón de extracción rápida



2752N

Reversible Ratchet

Llave de Carraca Reversible



2774PS

Flexible Ratchet, Reversible

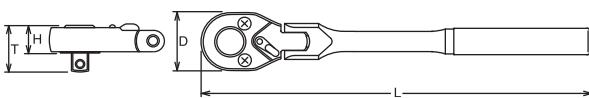
Llave de Carraca Flexible, Reversible



2774JS

Flexible Ratchet, Reversible

Llave de Carraca Flexible, Reversible



Hand Sockets **1/4"**

HAND
MANUALES

TITANIUM
DE TITANIO

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SCREWDRIVERS
DESTORNILLADORES

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DE IMPACTO

SLEEVE-DRIVE
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



* Renewal Kits → 2753RK ➔ P304

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

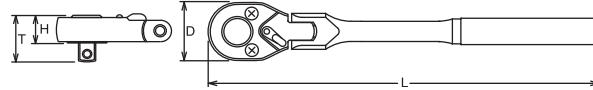


* Renewal Kits → 2753RK ➔ P304

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

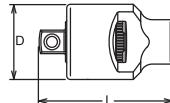


* Renewal Kits → 2753RK ➔ P304



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

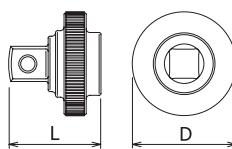
2755 Ratchet Adaptor
Adaptador de carraca



* Renewal Kits → 2755RK ➔ P306

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

2756 Quick Spinner
Disco de giro Rápido



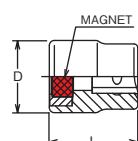
	D (mm)	L (mm)	 (g)	 (pcs.)
2756	22	20	19	10

2762 Flexible Extension Bar
Alargadera Flexible



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

2120 Magnetic Head



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

1/4" Hand Sockets

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALESINDUSTRIAL
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

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

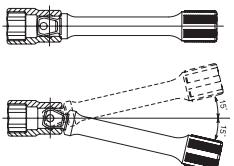


2763	D (mm)	L (mm)	(g)	(pcs.)
28	12.3	28	14	10
50	12.3	50	23	10
75	12.3	75	33	10
100	12.3	100	43	10
150	12.3	150	62	10
200	12.3	200	80	10
250	12.3	250	100	10

PK2763/6	6 Pieces Set/Δ=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 its specific design with a reduced square drive. Make sure to use it correctly.

* Renewal Kits → 2768RK ➔ P306

* Renewal Kits → 2768RK ➔ P306

* Renewal Kits → 2768RK ➔ P306

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

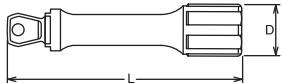
2760 Extension Bars



PK2760/6 Set



2763 Wobble-Fix Extension Bars



PK2763/6 Set



2768N Hinge Handle



2768P Hinge Handle



2768J Hinge Handle



Hand Sockets **1/4"**

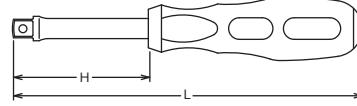
Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCTION
CONSTRUCCIÓN

2769N-150 · -220

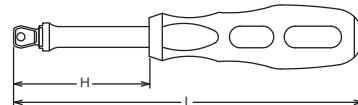
Spin Type Handle
Mango Tipo Destornillador

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

Plastic or rubber handles are not intended to act as insulation.

Los mangos de plástico o de goma no están previstos para aislamiento.

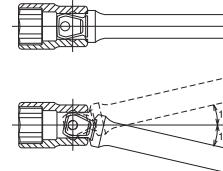
2769NWF-150 · -220

Spin Type Handle(Wobble-Fix)
Mango Tipo Destornillador Articulados-FijosWOBBLE-FIX
EXTENSION BAR

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

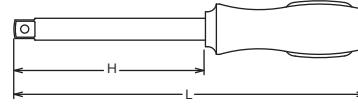
Wobble-Fix Extension Bar

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

**Alargadera Articulada-Fija**

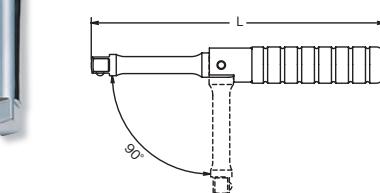
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.

2769F

Spin Type Handle
Mango Tipo Destornillador

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

2769H

Folding Socket Driver
Llave de Vaso Plegable

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

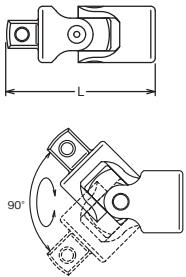
1/4" Hand Sockets

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALESINDUSTRIAL
PROTECTORESAUTOMOTIVE
PROTECTORESCONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

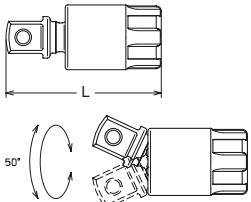
2770 Universal Joint
Articulación Universal



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

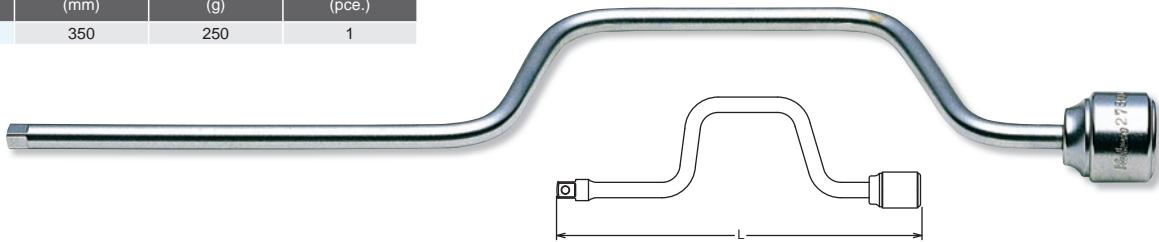


2771 Universal Joint
Articulación Universal



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

2780 Speed Handle
Manivela Rápida



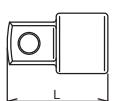
	L (mm)	(g)	(pcs.)
2785	115	36	10

2785 T-Handle
Mango Corredizo



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

2233A Adaptor
Adaptador



Hand Sockets **1/4"**

HAND
MANUALES

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PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2201AM Socket Set
Juego de Vasos



2203M • 2203A Socket Set
Juego de Vasos



2250M • 2250A Socket Set
Juego de Vasos



2254M Bit Set
Juego de Puntas



2201AM
METAL CASE:W240xH100xT32mm

25 Pieces Set/ $\Delta\Delta$ =870g

Sockets

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

Accessories

2753N

2760-100

2769N-150

2770

2785

2203M
METAL CASE:W160xH100xT28mm

12 Pieces Set/ $\Delta\Delta$ =550g

Sockets

2400M 6-pt. Sockets
4, 4.5, 5, 5.5, 6, 7, 8
9, 10, 11, 13

Accessories

2769H

2203A
METAL CASE:W160xH100xT28mm

10 Pieces Set/ $\Delta\Delta$ =500g

Sockets

2400A 6-pt. Sockets
3/16, 7/32, 1/4, 9/32, 5/16,
11/32, 3/8, 7/16, 1/2

Accessories

2769H

2250M
METAL CASE:W160xH100xT28mm

16 Pieces Set/ $\Delta\Delta$ =700g

Sockets

2400M 6-pt. Sockets
5, 6, 7, 8, 9, 10, 11, 12

2415M Double Square Sockets
8, 10

Accessories

2753N

2760-50

2760-150

2768N

2770

2785

2250A
METAL CASE:W160xH100xT28mm

16 Pieces Set/ $\Delta\Delta$ =700g

Sockets

2400A 6-pt. Sockets
7/32, 1/4, 9/32, 5/16,
11/32, 3/8, 7/16

2415A Double Square Sockets
1/4, 5/16, 3/8

Accessories

2753N

2760-50

2760-150

2768N

2770

2785

2254M
METAL CASE:W160xH100xT28mm

12 Pieces Set/ $\Delta\Delta$ =450g

Bits

101P Phillips Bits
1, 2, 3

101S Slotted Bits
1x7, 1.2x7

101H Hex Bits
3, 4, 5

Accessories

102NA-1/4x5/16

2769F

101A

2137

1/4" Hand Sockets

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
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DE IMPACTOSLEEVE-DRIVE
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PROTECTORESAUTOMOTIVE
PROTECTORESCONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

2257M Socket Set
Juego de Vasos



2260M	28 Pieces Set/ $\frac{1}{4}$ "=2,370g
METAL CASE: W370xH150xT50mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 10, 12	2753N 2760-50 2760-100 2769N-150
3400M 6-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21	3749N 3760-75 3760-125 3785 3322A

2260M Socket Set
Juego de Vasos



2261M	17 Pieces Set/ $\frac{1}{4}$ "=690g
METAL CASE:W192xH122xT30mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12	2753N 2760-50 2760-150 2768N 2770 2785

2261M Socket Set
Juego de Vasos



2262M	13 Pieces Set/ $\frac{1}{4}$ "=470g
METAL CASE:W160xH100xT28mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12	2760-50 2768N

2262M Socket Set
Juego de Vasos



2274M	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2274A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A	7 Pieces Set/ $\frac{1}{4}$ "=245g
PLASTIC BAG	
Sockets	

2300A

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

2275 Sockets Set
Juego de Vasos



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



2277 Sockets Set
Juego de Vasos



2277A-12P Sockets Set
Juego de Vasos



2275
METAL CASE:W192xH122xT30mm

19 Pieces Set/ Δ =880g

- | Sockets | Accessories |
|--|-------------|
| 2400M 6-pt. Sockets
5, 5, 6, 7, 8, 10, 12, 13 | 2753N |
| 2000.28 Bit Sockets
1, 2, 3 | 2763-50 |
| 2005.25 Bit Sockets
6, 8 | 2769N-150 |
| 2010M.25 Bit Sockets
3, 4, 5, 6 | |

2276
METAL CASE:W192xH122xT30mm

19 Pieces Set/ Δ =640g

- | Bits | Accessories |
|---|-------------|
| 108P Phillips Bits
1, 2, 3 | 2753PS |
| 108S Slotted Bits
4, 5, 6 | 2769N-150 |
| 108H Hex Bits
3, 4, 5, 6 | 2137 |
| 108T TORX® Bits
T10, T15, T20, T25, T27, T30 | |

2277
METAL CASE:W310xH90xT48mm

21 Pieces Set/ Δ =1,240g

- | Sockets | Accessories |
|--|-------------|
| 2400M 6-pt. Sockets
5, 5, 6, 7, 8, 9, 10, 11, 12, 13 | 2753N |
| 2300M 6-pt. Deep Sockets
5, 5, 6, 7, 8, 9, 10, 11, 12, 13 | 2763-75 |
| | 2769N-150 |

2277A-12P
METAL CASE:W310xH90xT48mm

21 Pieces Set/ Δ =1,240g

- | Sockets | Accessories |
|--|-------------|
| 2405A 12-pt. Sockets
7/32, 1/4, 9/32, 5/16, 11/32, 3/8,
7/16, 1/2, 9/16 | 2753N |
| 2305A 12-pt. Deep Sockets
7/32, 1/4, 9/32, 5/16, 11/32, 3/8,
7/16, 1/2, 9/16 | 2763-75 |
| | 2769N-150 |

1/4" Hand Sockets

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

P2201AM Sockets Set
Juego de Vasos



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

P2251M Sockets Set
Juego de Vasos



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

P2258M Sockets Set
Juego de Vasos



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

P2281A-12P Sockets Set
Juego de Vasos



ABS Case - PE foam insert
Caja ABS - espuma polietileno

Hand Sockets **3/8"**

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES

ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT

DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL

INDUSTRIALES

PROTECTOR

PROTECTORES

AUTOMOTIVE

CONSTRUCTION

CONSTRUCCIÓN

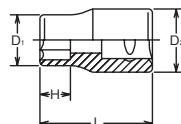
RENEWAL KITS

JUEGOS DE PIEZAS REPUESTO

CONSTRUCCIÓN

3400M • 3400A

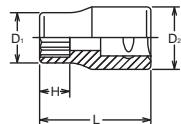
6-point Sockets
Vasos Hexagonales



3400M 3405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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

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



3400A 3405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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 (g)
8, 10, 11, 12, 13, 14, 17, 19	300	

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

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

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

RS3400M/12

Socket Set on Rail
Juego de Vasos en Regleta

RS3405M/12



RS3400A/9

Socket Set on Rail
Juego de Vasos en Regleta

RS3405A/9



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

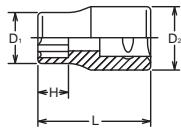
3/8" Hand Sockets

3410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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



3410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE

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

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



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

3400W 3405W (W)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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

RS3410M/12



Socket Set on Rail
Juego de Vasos en Regleta



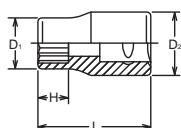
RS3400W/7	7 Pieces Set/Rail 200mm	g (g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		389

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

3405W



12-point Whitworth Sockets
Vasos Bihexagonales Whitworth



RS3400W/7



Socket Set on Rail
Juego de Vasos en Regleta

RS3405W/7



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

Hand Sockets **3/8"**

3415M • 3415A  Double Square Sockets
Vasos Octagonales

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

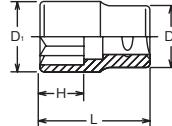
IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

PROTECTOR
PROTECTORES

AUTOMOTIVE

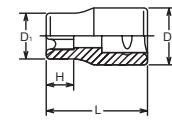
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



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  TORX® Sockets
Vasos TORX®



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

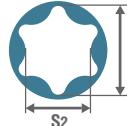
RS3425/9  Socket Set on Rail
Juego de Vasos en Regleta



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

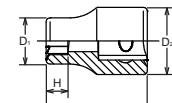
TORX®

(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  LHS Sockets
Vasos LHS



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  Socket Set on Rail
Juego de Vasos en Regleta



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

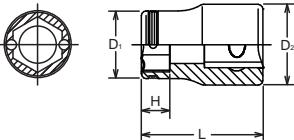
3/8" Hand Sockets

3450M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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



3450M

Nut Grip Sockets Nut Grip®
Vasos Sujeta-tuerca 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.



RS3450M/8

Socket Set on Rail
Juego de Vasos en Regleta



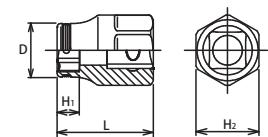
RS3450M/10

Socket Set on Rail
Juego de Vasos en Regleta



3450MH

Nut Grip Sockets Nut Grip®
Vasos Sujeta-tuerca Nut Grip®



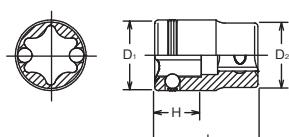
RS3450MH/6

Socket Set on Rail
Juego de Vasos en Regleta



3425 (2B)

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



RS3425/4 (2B)

Socket Set on Rail
Juego de Vasos en Regleta



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

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

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

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

3425 (2B)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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)	4 Pieces Set/Rail 150mm	g (g)
E10, E12, E14, E20		150

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

Koken TOOL CO., LTD.

Hand Sockets **3/8"**

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

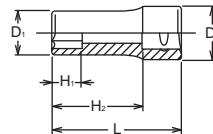
3300X • 3300XA



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



FLAT DRIVE®

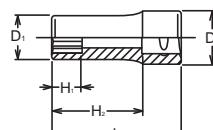


3300X 3300X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
8	12	17.3	9	26.5	40	34	10
9	13	17.3	10	26.5	40	36	10
10	14.5	17.3	11	26.5	40	36	10
11	16	17.2	12	26.5	40	36	10
12	16.8	17.2	13	26.5	40	36	10
13	18	17	14	26.5	40	37	10
14	20	18	16	26.5	40	46	10
15	21	20	16	25.5	40	49	10
16	22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

3305X • 3305XA



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



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

RS3300X/8



Socket Set on Rail

Juego de Vasos en Regleta

RS3305X/8



Socket Set on Rail

Juego de Vasos en Regleta



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

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

RS3300XA/9



Socket Set on Rail

Juego de Vasos en Regleta

RS3305XA/9



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	

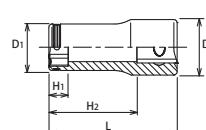
RS3305XA/9	9 Pieces Set/Rail 200mm	⚖️ (g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	460	

3350X



Nut Grip® Socket, Semi-Deep

Vasos Sujeta-tuerca Nut Grip®. Medianos



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
14	19.5	18.5	8.5	26.5	40	48	10

RS3350X/4



Socket Set on Rail

Juego de Vasos en Regleta



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

3/8" Hand Sockets

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

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

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

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

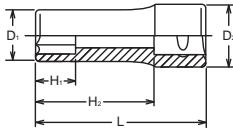
RS3305M/12	12 Pieces Set/Rail 300mm	⚖️ (g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	878	

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

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

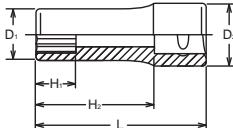
3300M • 3300A

6-point Deep Sockets
Vasos Hexagonales Largos



3305M • 3305A

12-point Deep Sockets
Vasos Bihexagonales Largos



RS3300M/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3305M/8



RS3300M/12

Socket Set on Rail
Juego de Vasos en Regleta

RS3305M/12



RS3300A/9

Socket Set on Rail
Juego de Vasos en Regleta

RS3305A/9



Hand Sockets **3/8"**

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL

PROTECTOR
PROTECTORES

AUTOMOTIVE

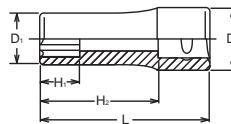
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3310M



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



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

RS3310M/12



Socket Set on Rail
Juego de Vasos en Regleta

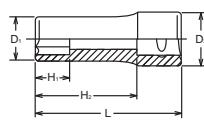


RS3310M/12	12 Pieces Set/Rail 300mm	⚖️ (g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	881	

3300W



6-point Deep Whitworth Sockets
Vasos Whitworth Hexagonales Largos

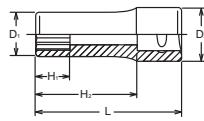


3300W 3305W (W)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
1/8	12.3	17.3	10	41.5	55	46	10
3/16	16	17.3	12	41.5	55	55	10
1/4	18	17	14	41.5	55	57	10
5/16	21	20	16	40.5	55	79	10
3/8	24.5	23	19	39.5	55	96	10
7/16	27	26	22	49.5	65	140	10
1/2	30	29	24	48.5	65	193	10
9/16	34	31	27	47.5	65	250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

3305W



12-point Deep Whitworth Sockets
Vasos Whitworth Bihexagonales Largos



RS3300W/7



Socket Set on Rail
Juego de Vasos en Regleta

RS3305W/7



7 Pieces Set/Rail 200mm



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

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

BS W



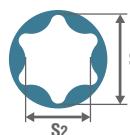
BS • W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
W		1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
Across Flat (ref. mm)		8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

3/8" Hand Sockets

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

RS3325/9	9 Pieces Set/Rail 200mm	g (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 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (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

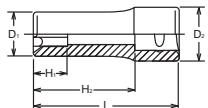


RS3350M/5	5 Pieces set/Rail 150mm	g (g)
8, 10, 12, 13, 14	322	

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

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

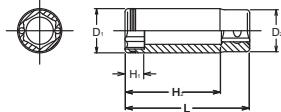
3325 TORX® Deep Sockets
Vasos TORX® Largos



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



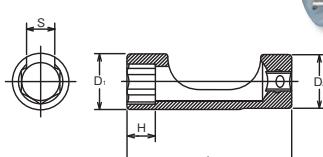
3350M Nut Grip Deep Sockets Nut Grip®
Vasos Sujeta-tuerca Largos Nut Grip®



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



3300FN Flare Nut Sockets
Llaves de vaso para entubar



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



Hand Sockets **3/8"**

HAND
MANUALES

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DE TITANIO

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SCREWDRIVERS
DESTORNILLADORES

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DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

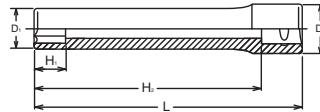
AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

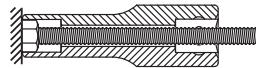
3300M (L120)



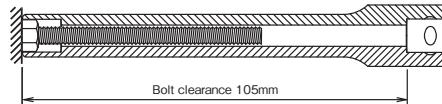
6-point Extra Deep Sockets
Vasos Hexagonales Extra-Largos



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 (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

3305M (L120)



12-point Extra Deep Sockets
Vasos Bihexagonales Extra-Largos



3300M/4-L120



Socket Set
Juego de Vasos

3305M/4-L120



3300M/4-L120

4 Pieces Set/ $\Delta\Delta=477g$

PLASTIC BAG

Sockets

3300M(L120) 6-point Extra Deep Sockets
8, 10, 12, 14

3305M/4-L120

4 Pieces Set/ $\Delta\Delta=477g$

PLASTIC BAG

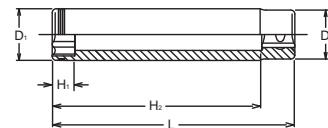
Sockets

3305M(L120) 12-point Extra Deep Sockets
8, 10, 12, 14

3350M (L120)



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



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



NUT GRIP®

3350M/2-L120



Socket Set
Juego de Vasos



3350M/2-L120

2 Pieces Set/ $\Delta\Delta=230g$

PLASTIC BAG

Sockets

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

3/8" Hand Sockets

3440M 3445M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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 (g)
	8, 10, 11, 12, 13, 14, 17, 19	550

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

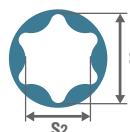
3445W (W)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
1/8	13.3	19	7.8	47.5	50	10
3/16	15.8	19	9.7	49.5	66	10
1/4	18.3	19	11.3	51	68	10
5/16	20.8	19	12.8	53.5	70	10
3/8	24.5	19	13.8	54.5	80	10
7/16	28.3	19	16.8	57.5	96	10
1/2	30.8	19	17.8	58.5	105	10

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

3440T (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (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 (g)
	E6, E8, E10, E12, E14, E16, E18, E20	594

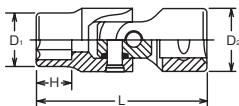
TORX®
(E)



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

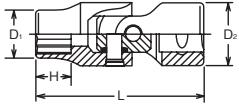
3440M • 3440A

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

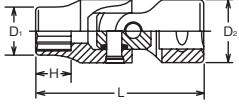
RS3440A/8

Socket Set on Rail
Juego de Vasos en Regleta



3445W

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



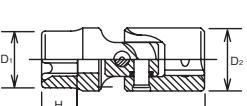
RS3445W/7

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



Hand Sockets **3/8"**

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

PROTECTOR
PROTECTORES

AUTOMOTIVE

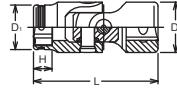
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3441M



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



NUT GRIP®

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

RS3441M/5



Socket Set on Rail
Juego de Vasos en Regleta

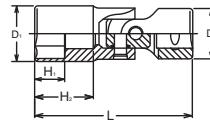


RS3441M/5	5 Pieces Set/Rail 150mm	g (g)
8, 10, 12, 13, 14		320

3340M-75



Universal Deep Sockets
Vasos Largos con Articulación Universal



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



Socket Set on Rail
Juego de Vasos en Regleta

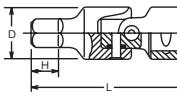


RS3340M/8-L75	8 Pieces Set/Rail 200mm	g (g)
8, 10, 11, 12, 13, 14, 17, 19		810

3430M



Universal Inhex Bit Sockets
Vasos Inhex con Articulación Universal



3430M (mm)	D (mm)	H (mm)	L (mm)	g (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



Socket Set on Rail
Juego de Vasos en Regleta

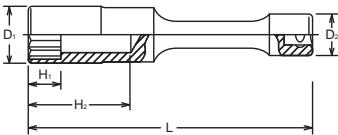


RS3430M/6	6 Pieces Set/Rail 150mm	g (g)
5, 6, 7, 8, 10, 12		470

3/8" Hand Sockets

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

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

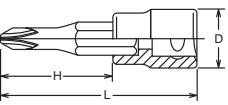
3000 (PH)	D (mm)	H (mm)	L (mm)	g (g)	pce. (pce.)
1	18	33.5	60	49	10
2	18	33.5	60	49	10
3	18	33.5	60	49	10
4	18	33.5	60	50	10

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

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

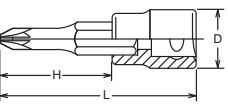
3000-60 (PH)

Phillips Bit Sockets
Vasos con Punta Phillips



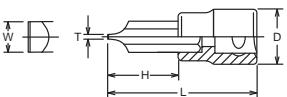
3000-50 (PZ)

PZ Bit Sockets
Vasos con Punta PZ



3005-60

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada



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 No.3001 series	No.3000(PZ) series	No.3005 No.3006 series	No.3010M/A No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025	No.3025(TH) series	No.3025(IP) series	No.3025(IPR) series	No.3027 series
1/2"	No.4000 No.4001 series	No.4000(PZ) series	No.4005 No.4006 series	No.4010M/A No.4012M/A series	—	No.4020 series	No.4025 series	—	No.4025(IP) series	—	No.4027 series

Hand Sockets **3/8"**

3010M-38 · -62 · -100 · -160

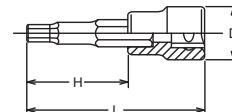
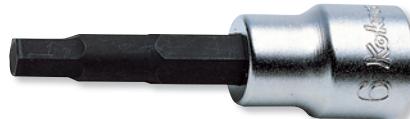
Inhex Bit Sockets
Vasos con Punta Hexagonal

3010A-50



HAND
MANUALES

TITANIUM
DE TITANIO



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

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

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

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

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

RS3010M/8-L38

RS3010M/8-L62

RS3010M/8-L100

RS3010A/8-L50



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

RENEWAL KITS

JUEGOS DE PIEZAS REPUESTO

CONSTRUCCIÓN

CONSTRUCCIÓN

Z-SERIES

Z-SERIES

AUTOMOTIVE

AUTOMOTIVE

INDUSTRIAL

INDUSTRIAL

SLEEVE-DRIVE

SLEEVE-DRIVE

IMPACT

IMPACTO

SCREWDRIVERS

DESTORNILLADORES

ACCESORIES

ACCESORIOS

TISSUE

TISSUE

INCH

INCH

METRIC

METRIC

MM

MM

INCH

INCH

MM

3/8" Hand Sockets

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.

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

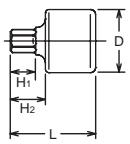
3012M.75 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
3	18	10	57	75	41	10
4	18	15.5	57	75	43	10
5	18	15.5	57	75	48	10
6	18	15.5	57	75	53	10
7	18	15.5	57	75	58	10
8	18.5	15.5	57	75	72	10
9	18.5	15.5	57	75	92	10
10	20	15.5	57	75	114	10
11	20	15.5	57	75	120	10
12	20	15.5	57	75	127	10
13	20	15.5	57	75	132	10
14	20	15.5	57	75	146	10

RS3012M/8-L52	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	

3012M-25

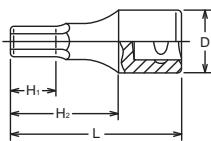
Inhex Sockets
Vasos con Punta de Hexagonal



3012M-52 · -62 · -75

Inhex Sockets
Vasos con Punta de Hexagonal

3012A-52 · -62 · -75



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

RS3012A/8-L52

Socket Set on Rail
Juego de Vasos en Regleta

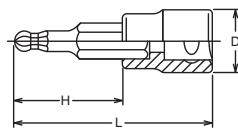
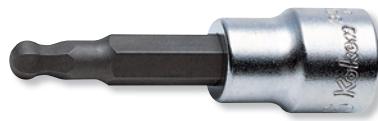


Hand Sockets **3/8"**

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

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

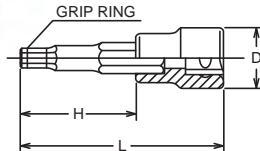
3011M.160 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	133.5	160	87	10
4	18	133.5	160	88	10
5	18	133.5	160	89	10
6	18	133.5	160	91	10
7	18	133.5	160	93	10
8	18	133.5	160	95	10

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

3015M-62 · -100



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



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

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

Grip Ring holds hex screws

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

RS3015M/8-L62



Socket Set on Rail



Juego de Vasos en Regleta

RS3015M/8-L100



8 Pieces Set/Rail 200mm



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

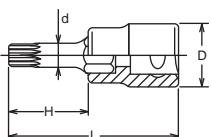
RS3015M/8-L100	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		650

3/8" Hand Sockets

3020-38 · -50 · -100 · -120



XZN Bit Sockets
Vasos con punta XZN



3020.38 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	$\frac{g}{\text{pc}}\text{ (g)}$	(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)	$\frac{g}{\text{pc}}\text{ (g)}$	(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)	$\frac{g}{\text{pc}}\text{ (g)}$	(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

3020.120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	$\frac{g}{\text{pc}}\text{ (g)}$	(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	6 Pieces Set/Rail 150mm	$\frac{g}{\text{pc}}\text{ (g)}$
M5, M6, M8, M10, M12, M14	308	

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

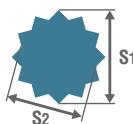


RS3020/7-L50	7 Pieces Set/Rail 200mm	$\frac{g}{\text{pc}}\text{ (g)}$
M4, M5, M6, M8, M10, M12, M14	400	

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

Hand Sockets **3/8"**

HAND
MANUALES

TITANIUM
DE TITANIO

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

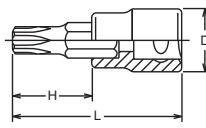
AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3025-38 · -50 · -140 (T)



TORX® Bit Sockets
Vasos con Punta TORX®



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	20	23.5	50	55	10
T55	20	23.5	50	67	10

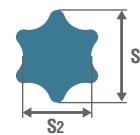
RS3025/8-L38

Socket Set on Rail
Juego de Vasos en Regleta

RS3025/8-L50



TORX®
(T)



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

3025-50-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



3025.38 (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	20	11.5	38	49	10
T55	20	11.5	38	57	10

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

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

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

3025.50	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	

3/8" Hand Sockets

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

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

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

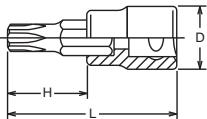
3247	4 Pieces Set/=385g
PLASTIC BAG	
Sockets	
3025.160 Tamper-Resistant TORX® Bit Sockets T27H, T30H, T40H, T50H	

3025.100R (TH)	D (mm)	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	8 Pieces Set/Rail 200mm	(g)
T20H, T25H, T27H, T30H, T40H, T45H, T50H, T55H	490	

3025-50 · -160 (TH)

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



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

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



RS3025/9-HOLE

Socket Set on Rail
Juego de Vasos en Regleta



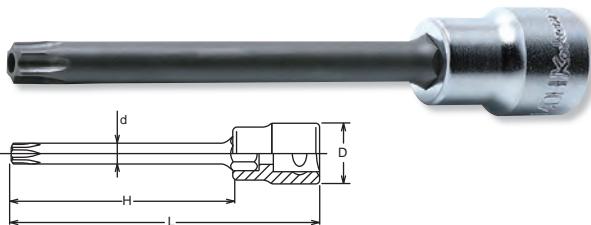
3247

Bit Socket Set
Juego de Vasos con Punta



3025-100R (TH)

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



RS3025/8-L100RH

Socket Set on Rail
Juego de Vasos en Regleta



Hand Sockets **3/8"**

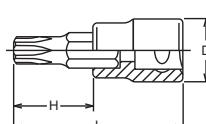
Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
DRIVEINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

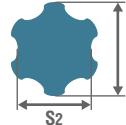
3025-50 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®**TORXplus®**

RS3025/8-IP

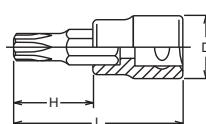
Socket Set on Rail
Juego de Vasos en Regleta

RSX025/11-IP

Socket Set on Rail
Juego de Vasos en Regleta**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

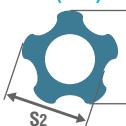
3025-50 (IPR)

TORXPLUS® Bit Sockets, with Hole
Vasos con Punta de Cinco Lóbulos, con agujero**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**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)	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) 3025.50(IP) 4025.60(IP)	480		
10IP, 15IP, 20IP, 25IP, 27IP 30IP, 40IP, 45IP, 50IP 55IP, 60IP			

+ +

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) 3025.50(IPR)	320		
8IPR, 10IPR, 15IPR, 20IPR, 25IPR, 27IPR, 30IPR, 40IPR, 45IPR, 50IPR			

+

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

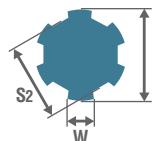
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TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

3/8" Hand Sockets

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

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

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

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

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

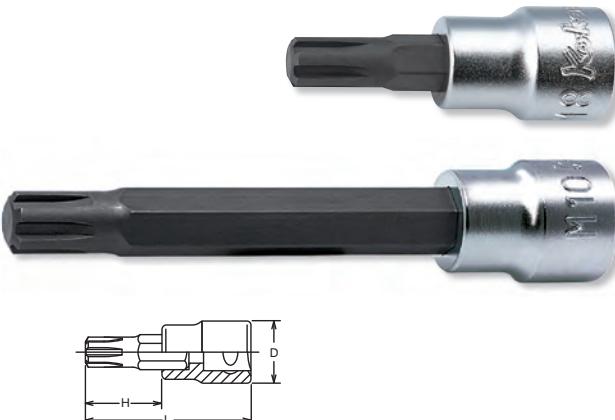
3006	TxW (mm)	D (mm)	H (mm)	L (mm)		(g)		(pcs.)
5	1.0x 5	18	42	60		35		10
8	1.2x 8	18	42	60		42		10
10	1.6x10	20	42	60		50		10

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

3027-50 · -100



Bit Sockets for Ribe Screws
Vasos con Punta Ribe



RS3027/5-L50



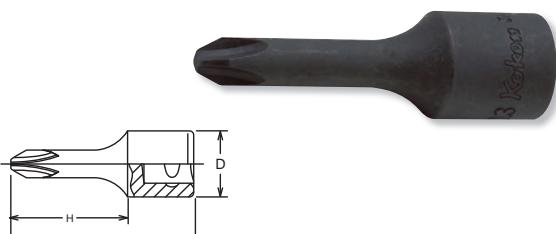
Socket Set on Rail
Juego de Vasos en Regleta



3001



Phillips Bit Sockets
Vasos con Punta Phillips



3006



Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada



Hand Sockets **3/8"**

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JUEGOS DE PIEZAS REPUESTO

2749PS-3/8

Reversible Ratchet Short
Llave de Carraca Reversible Corta



* Renewal Kits → 2749RK-3/8 ➔ P304

	D (mm)	T (mm)	H (mm)	L (mm)	G (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 ➔ P304

2749P-3/8

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2749RK-3/8 ➔ P304

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

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

3749S

Reversible Ratchet Short
Llave de Carraca Reversible Corta



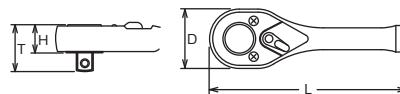
* Renewal Kits → 3749RK ➔ P304

3749SB

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



* Renewal Kits → 3749BRK ➔ P304



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

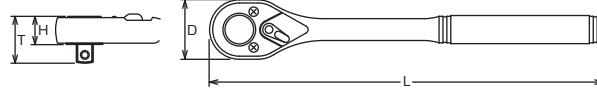
⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

3749N

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 3749RK ➔ P304



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

3/8" Hand Sockets

[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.



45

* Renewal Kits → 3752RK ➔ P305

3752N

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

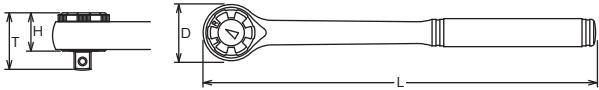


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* Renewal Kits → 3752RK ➔ P305

3752J

Reversible Ratchet
Llave de Carraca Reversible



45

* Renewal Kits → 3752RK ➔ P305

3776N

Swivel Head Ratchet
Llave de Carraca de Cabeza Giratoria



45

* Renewal Kits → 3752RK ➔ P305

3776P

Swivel Head Ratchet
Llave de Carraca de Cabeza Giratoria

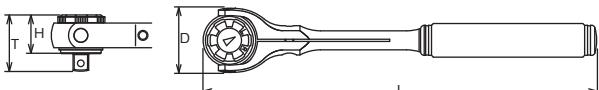


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* Renewal Kits → 3752RK ➔ P305

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"**

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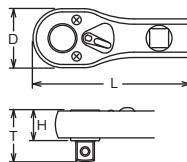
INDUSTRIAL
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3753SM Multi Purpose Ratchet, Reversible
Llave de Carraca de Aplicación General, Reversible



* Renewal Kits → 3753RK ➔ P304

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



3753N Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 3753RK ➔ P304

3753P Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 3753RK ➔ P304

3753J Reversible Ratchet
Llave de Carraca Reversible

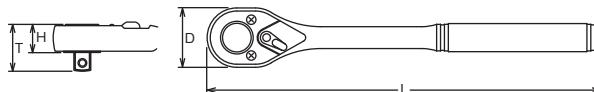


* Renewal Kits → 3753RK ➔ P304

D3753J Reversible Ratchet
Llave de Carraca Reversible

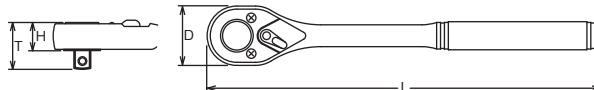


* Renewal Kits → 3753RK ➔ P304



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



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

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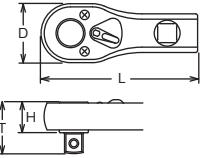


* Renewal Kits → 3753BRK ➔ P304

	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



* Renewal Kits → 3753BRK ➔ P304

3753NB

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



* Renewal Kits → 3753BRK ➔ P304

3753PB

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



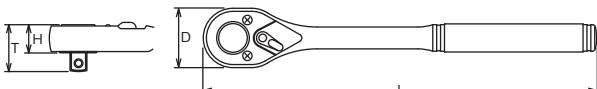
* Renewal Kits → 3753BRK ➔ P304

3753JB

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

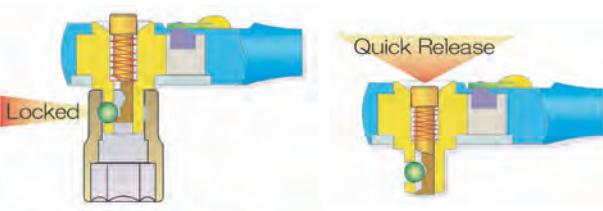


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753NB	30.5	26.4	15.7	200	320	1
3753PB	30.5	26.4	15.7	200	286	1
3753JB	30.5	26.4	15.7	200	260	1



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"**

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2774PS-3/8

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → 2749RK-3/8 ➔ P304

2774JS-3/8

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → 2749RK-3/8 ➔ P304

3774PS

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → 3753RK ➔ P304

3774N

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

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



* Renewal Kits → 3753RK ➔ P304

3774P

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → 3753RK ➔ P304

3774J

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

* Renewal Kits → 3753RK ➔ P304

3774N

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

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

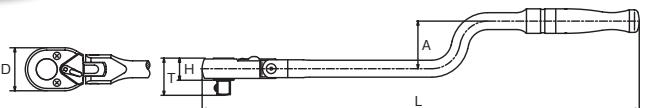
3/8" Hand Sockets



* Renewal Kits → 3753RK ➔ P304

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

3774P-SR Speeder Ratchet



* Renewal Kits → 3753BRK ➔ P304



* Renewal Kits → 3753BRK ➔ P304



* Renewal Kits → 3753BRK ➔ P304

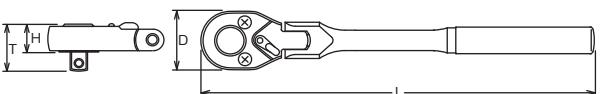


3774JB

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

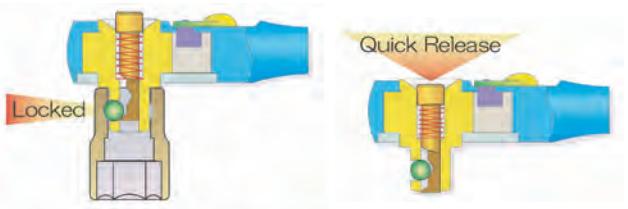


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3774NB	30.5	26.4	15.7	265	378	2
3774PB	30.5	26.4	15.7	265	373	2
3774JB	30.5	26.4	15.7	285	367	1



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

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



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

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Hand Sockets **3/8"**

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3774NL

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



* Renewal Kits → 3753RK ➔ P304



3774PL

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



* Renewal Kits → 3753RK ➔ P304



3774JL

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



* Renewal Kits → 3753RK ➔ P304

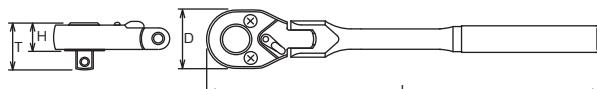


3774JBL

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



* Renewal Kits → 3753BRK ➔ P304



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

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

3/8" Hand Sockets

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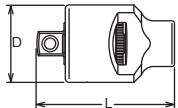
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3755 Ratchet Adaptor Adaptador de carraca



* Renewal Kits → 3755RK ➔ P306

	D (mm)	L (mm)		
3755	30.5	55	146	5

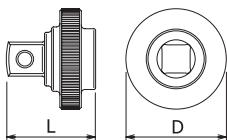


3756 Quick Spinner Disco de Giro Rápido



* Renewal Kits → 3752RK ➔ P305

	D (mm)	L (mm)		
3756	30.5	25.5	47	10

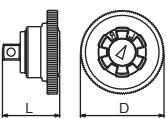


3757 Ratchet Wheel Rueda de carraca



* Renewal Kits → 3752RK ➔ P305

	D (mm)	L (mm)		
3757	50	35	155	5



3762 Flexible Extension Bar Alargadera Flexible



	D (mm)	L (mm)		
3762	19.3	300	178	2



Hand Sockets **3/8"**

3760 Extension Bars
Alargaderas

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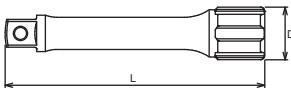
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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



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

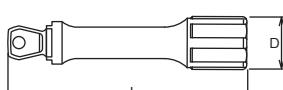
PK3760/6 Set
Juego



PK3760/6
PLASTIC TRAY
Extension Bars

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

3763 Wobble-Fix Extension Bars
Alargaderas Articuladas-Fijas



**WOBBLE-FIX
EXTENSION BAR**

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
PLASTIC TRAY
Extension Bars

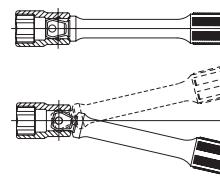
3763 Wobble-Fix Extension Bars
32, 50, 75, 125, 150, 250

Wobble-Fix Extension Bar

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

Alargadera Articulada-Fija

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



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

3/8" Hand Sockets



* Renewal Kits → 3768RK ➔ P306

3768N-175

Hinge Handle
Mango Articulado



* Renewal Kits → 3768RK ➔ P306

3768N-250

Hinge Handle
Mango Articulado



* Renewal Kits → 3768RK ➔ P306

3768P-250

Hinge Handle
Mango Articulado



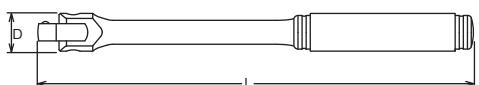
* Renewal Kits → 3768RK ➔ P306

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 ➔ P306

3768N-300

Hinge Handle
Mango Articulado



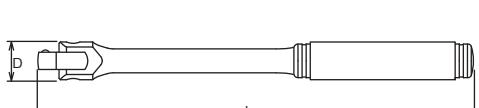
* Renewal Kits → 3768RK ➔ P306

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

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
PROTECTORES

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **3/8"**

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO
ACCEESSORIES
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IMPACT
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JUEGOS DE PIEZAS REPUESTO

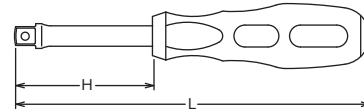
3769N-160 · -230

Spin Type Handle
Mango Tipo Destornillador



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

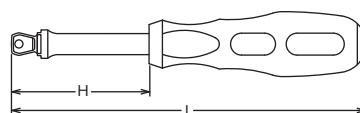
Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.



WOBBLE-FIX
EXTENSION BAR

3769NWF-160 · -230

Spin Type Handle Wobble-Fix
Mango Tipo Destornillador Articulados-Fijos

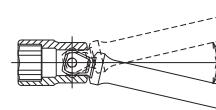


3769NWF	H (mm)	L (mm)	(g)	(pcs.)
160	50	160	96	2
230	120	230	126	2

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

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

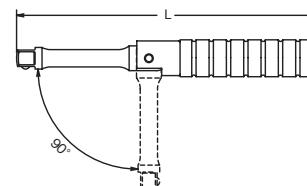
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarla como alargadera normal. Esta aplicación está patentada.

3769H

Folding Socket Driver
Llave de Vaso Plegable

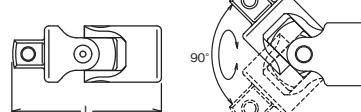


3769H	L (mm)	(g)	(pcs.)
	170	210	2



3770

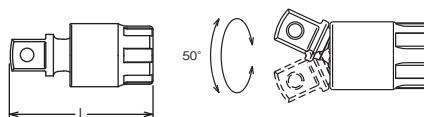
Universal Joint
Articulación Universal



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

3771

Universal Joint
Articulación Universal



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



UNIVERSAL JOINT

3/8" Hand Sockets

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

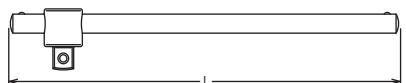
3780 Speed Handle
Manivela Rápida



3785 T-Handle
Mango Corredizo



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

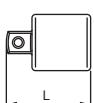


3322A Adaptor
Adaptador Warranty 86Nm
Garantía 86Nm

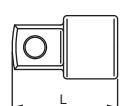
	(sq)	(sq)	L (mm)	(g)	(pce.)
3322A	3/8"	1/4"	24	18	10
3344A	3/8"	1/2"	30	35	10

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

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



3344A Adaptor
Adaptador



PK2346/6 Set
Juego

PK2346/6	6 Pieces Set/ = 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

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"**

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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

METAL CASE: W415xH120xT50mm

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

18 Pieces Set/ Δ =2,250g

3200A

METAL CASE: W415xH120xT50mm

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

18 Pieces Set/ Δ =2,250g

3201AMW

METAL CASE: W445xH190xT50mm

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

42 Pieces Set/ Δ =4,700g

3206M

METAL CASE: W395xH90xT50mm

Sockets	Accessories
3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12	3753N 3760-125 3760-250 3768N-250 3785
3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22	

21 Pieces Set/ Δ =2,100g

3206A

METAL CASE: W395xH90xT50mm

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

17 Pieces Set/ Δ =2,000g

3206AM

METAL CASE: W445xH190xT50mm

Sockets	Accessories
3405M 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	3753N 3760-125 3760-250 3768N-250 3785
3405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	
3300C Spark Plug Socket 20.8	3770

27 Pieces Set/ Δ =3,500g

3/8" Hand Sockets

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALESINDUSTRIAL
PROTECTORESAUTOMOTIVE
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3210M	22 Pieces Set/ $\Delta\Delta$ =2,900g
METAL CASE:W360xH145xT50mm	
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
	3770
	3785

3210M Socket Set
Juego de Vasos



3215M	7 Pieces Set/ $\Delta\Delta$ =430g
PLASTIC BAG	
Sockets	
3305M 12-pt. Deep Sockets 8, 10, 11, 12, 13, 14, 17	

3215A	7 Pieces Set/ $\Delta\Delta$ =430g
PLASTIC BAG	
Sockets	

3217M	14 Pieces Set/ $\Delta\Delta$ =850g
METAL CASE:W163xH52xT33mm	
Sockets	

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

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

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

3215M • 3215A Socket Sets
Juegos de Vasos



3217M Socket Set
Juego de Vasos



3220M Socket Set
Juego de Vasos



3221M Socket Set
Juego de Vasos



3244 Socket Set
Juego de Vasos



Hand Sockets **3/8"**

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
DESTORNILLADORESINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO**3240M-00** Display Stands Expositores**3240M-05** **S3240M-00 · S3240A-00** Display Stands Expositores**S3240M-05 · S3240A-05** **3250M** Socket Set Juego de Vasos**3252M** Socket Set Juego de Vasos**P3262M-6P** Socket Set Juego de Vasos

3240M-00 3400M 67 Pieces Set/ $\Delta=$ 2,800g
3240M-05 3405M 67 Pieces Set/ $\Delta=$ 2,800g

DISPLAY STAND:W410xH160xT500mm

Sockets		
6mm:4pcs	12mm:4pcs	18mm:4pcs
7mm:4pcs	13mm:4pcs	19mm:3pcs
8mm:4pcs	14mm:4pcs	20mm:3pcs
9mm:4pcs	15mm:4pcs	21mm:3pcs
10mm:4pcs	16mm:4pcs	22mm:3pcs
11mm:4pcs	17mm:4pcs	23mm:3pcs

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

DISPLAY STAND:W510xH150xT230mm

Sockets		
6mm:12pcs	12mm:12pcs	18mm:8pcs
7mm:12pcs	13mm:11pcs	19mm:8pcs
8mm:12pcs	14mm:11pcs	20mm:7pcs
9mm:12pcs	15mm:10pcs	21mm:7pcs
10mm:12pcs	16mm: 9pcs	22mm:7pcs
11mm:12pcs	17mm: 9pcs	23mm:6pcs

S3240A-00 3400A 126 Pieces Set/ $\Delta=$ 8,500g
S3240A-05 3405A 126 Pieces Set/ $\Delta=$ 8,500g

DISPLAY STAND:W510xH150xT230mm

Sockets		
1/4" :12pcs	9/16":10pcs	25/32":7pcs
5/16":12pcs	19/32":10pcs	13/16":7pcs
3/8" :12pcs	5/8" : 9pcs	7/8" :7pcs
7/16":12pcs	11/16": 9pcs	3/4" : 8pcs
1/2" :11pcs		

3250M 17 Pieces Set/ $\Delta=$ 2,200g

METAL CASE:W415xH120xT50mm

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

3252M 15 Pieces Set/ $\Delta=$ 1,530g

METAL CASE:W310xH90xT48mm

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

P3262M-6P 11 Pieces Set/ $\Delta=$ 1,140g

PLASTIC CASE:W245xH120xT45mm

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

3/8" Hand Sockets

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALESPROTECTOR
PROTECTORESAUTOMOTIVE
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3275	24 Pieces Set/ $\Delta\Delta$ =3,150g
METAL CASE:W400xH147xT50mm	
Sockets	Accessories
3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12	3753N
3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22	3760-125
3300C Spark Plug Sockets 16, 20.8	3760-250 3768N-250 3770 3756

3275 Socket Set
Juego de Vasos



3276	20 Pieces Set/ $\Delta\Delta$ =3,370g
METAL CASE:W310xH150xT50mm	
Sockets	Accessories
3000 Bit Sockets 2, 3	3753N
3005 Bit Sockets 5, 8	3763-125
3010M.62 Hex Bit Sockets 5, 6, 7, 8, 10	
3025.50 TORX® Bit Sockets T10, T15, T20, T25, T27, T30, T40, T45, T50	

3276 Bit Socket Set
Juego de Vasos con Punta



3277	29 Pieces Set/ $\Delta\Delta$ =3,240g
METAL CASE:W370xH150xT50mm	
Sockets	Accessories
3400M 6-pt. Sockets 8, 9, 10, 11, 12	3753N
3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21	3760-125
3300M 6-pt. Deep Sockets 8, 9, 10, 11, 12	3768N-250
3305M 12-pt. Deep Sockets 13, 14, 15, 16, 17, 18, 19, 21	

3277 Socket Set
Juego de Vasos



3279AM	35 Pieces Set/ $\Delta\Delta$ =4,200g
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	3753N
3405A 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8	3760-75 3760-125 3760-250
3300S Spark Plug Sockets 16, 20.8	3768N-250 3769N-160 3770 3785

3279AM Socket Set
Juego de Vasos

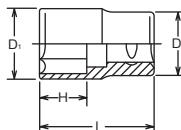


Hand Sockets **1/2"**

4400M



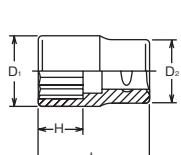
6-point Sockets
Vasos Hexagonales



4405M



12-point Sockets
Vasos Bihexagonales



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

RS4400M/10



Socket Set on Rail
Juego de Vasos en Regleta

RS4405M/10



RS4400M/10

10 Pieces Set/Rail 300mm

⚖️
(g)

10, 11, 12, 13, 14, 15, 17, 19, 21, 22

717

RS4405M/10

10 Pieces Set/Rail 300mm

⚖️
(g)

10, 11, 12, 13, 14, 15, 17, 19, 21, 22

717

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 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 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. 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

4400A  6-point Sockets
Vasos Hexagonales



4405A  12-point Sockets
Vasos Bihexagonales



RS4400A/10   **Socket Set on Rail**
RS4405A/10   **Juego de Vasos en Regleta**



4400W 6-point Whitworth Sockets
Vasos Whitworth Hexagonales



4405W  12-point Whitworth Sockets
Vases Whitworth Rhombagones



RS4400W/8			Socket Set on Rail Juego de Vasos en Regleta
RS4405W/8			Socket Set on Rail Juego de Vasos en Regleta



- BSW



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

Hand Sockets **1/2"**

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

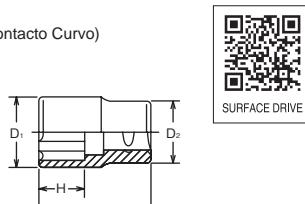
SLEEVE-DRIVE
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



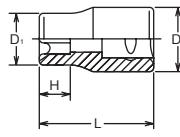
4410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	(pcs.)
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	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
10, 11, 12, 13, 14, 15, 17, 19, 21, 22
717

4425 TORX® Sockets
Vasos TORX®



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

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

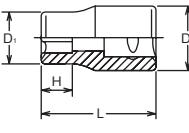


RS4425/7 7 Pieces Set/Rail 200mm
E10, E12, E14, E16, E18, E20, E24
428



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

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



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



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

RS4425/6-N 6 Pieces Set/Rail 200mm
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	



TORX PLUS
EP/EPL-style



TORX
E-style



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

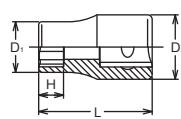
RS4450M/10	10 Pieces Set/Rail 300mm	⚖️ (g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22	717	

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



Straight Sidewalls & Reduced Recess Fall Away

- Increase tool engagement
- Virtually eliminates camout
- Ensures proper torque transfer
- Greatly reduces end load requirements
- Can reduce worker fatigue and muscular stress during manual assembly

Elliptically-based Geometry and Lobe Engagement

- Broadens contact surface to maximize engagement of driver and recess
- Eliminates damaging point-to-point contact

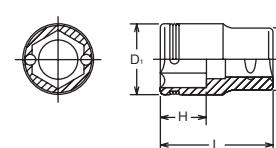
0° Drive Angle

- Optimises torque transmission
- Virtually eliminates radial stresses to increase tool bit life
- Enables use of recesses with thinner walls

Six Lobes with Large Cross-Sectional Areas

- Enables faster tool engagement
- Maximizes torque transfer
- Increases torsional strength

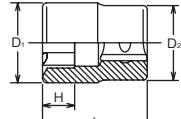
4450M Nut Grip Sockets Nut Grip®
Vasos Sujeta-Tuerca Nut Grip®



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



4400LH LHS Sockets
Vasos LHS



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



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TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

LHS™ is a registered trademark of OSG CORPORATION System Engineering Department.
LHS™ es una marca registrada de OSG CORPORATION System Engineering Department.

Koken TOOL CO., LTD.

099

Z-SERIES

HAND
MANUALES

TITANIUM
ACCESORIES

SCREWDRIVERS
DESTORNILLADORES

IMPACT
SLEEVE-DRIVE

INDUSTRIALES
PROTECTORES

AUTOMOTIVE

CONSTRUCCIÓN

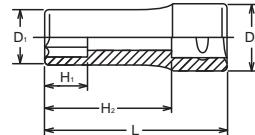
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **1/2"**

4300M • 4300A



6-point Deep Sockets
Vasos Hexagonales Largos



HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL

INDUSTRIALES

PROTECTOR

PROTECTORES

AUTOMOTIVE

CONSTRUCTION

CONSTRUCCIÓN

4300M 4305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
8	13.2	21	9	59	77	76	10
9	13.8	21	10	59	77	82	10
10	15.3	21	11	59	77	82	10
11	16.5	21	12	59	77	86	10
12	17.8	21	13	59	77	92	10
13	19	21.8	14	59	77	106	10
14	20.3	21.8	15	59	77	115	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	139	10
18	25	24	19	59	77	149	10
19	26.5	25	20	58	77	165	10
20	27.8	26	21	58	77	183	10
21	29	27	23	58	77	190	10
22	30	28	27	57	77	200	10
23	31.5	29	27	57	77	233	10
24	32.8	30	27	57	77	249	10
25	34	31	27	57	77	270	10
26	35	32	27	56	77	279	10
27	36.5	33	28	56	77	303	10
28	37.8	34	28	56	77	331	10
29	39	35	28	55	77	357	10
30	40	36	34	55	77	342	10
31	41.5	37	34	55	77	384	10
32	42.8	38	34	55	77	405	10
33	44.2	39	35	54	77	420	5
34	45.2	40	35	54	77	442	5
35	46.2	40	35	53	77	458	5
36	47.2	41	35	53	77	484	5
37	48.2	42	38	53	77	475	5
38	49	44	38	53	77	490	5

RS4300M/10



Socket Set on Rail
Juego de Vasos en Regleta

RS4305M/10



Socket Set on Rail
Juego de Vasos en Regleta

RS4300A/10



Socket Set on Rail
Juego de Vasos en Regleta

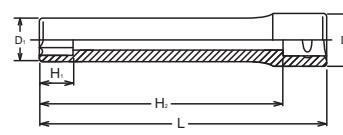
RS4305A/10



4300M (L120)



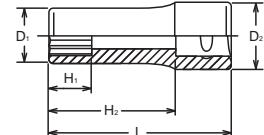
6-point Extra Deep Sockets
Vasos Hexagonales Extra Largos



4305M • 4305A



12-point Deep Sockets
Vasos Bihexagonales Largos



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

RS4300M/10

10 Pieces Set/Rail 300mm

10, 11, 12, 13, 14, 15, 17, 19, 21, 22

1,415

RS4305M/10

10 Pieces Set/Rail 300mm

10, 11, 12, 13, 14, 15, 17, 19, 21, 22

1,415

RS4300A/10

10 Pieces Set/Rail 300mm

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

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

1/2" Hand Sockets

Z-SERIES

HAND
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SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

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

4325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
E 8	10.7	21	7	59	77	68	10
E10	13.2	21	8.2	59	77	99	10
E11	13.8	21	8.7	59	77	84	10
E12	14.6	21	9.3	59	77	99	10
E14	16.5	21	10.6	59	77	103	10
E16	19	21.8	11.8	59	77	107	10
E18	20.3	21.8	13	59	77	118	10
E20	22.8	22	14.4	59	77	141	10
E22	25	24	15.5	59	77	188	10
E24	26.6	25	17	59	77	215	10

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

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

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

NUT GRIP®

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

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



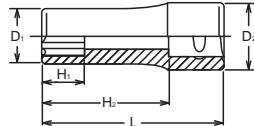
NUT GRIP®

4310M



Surface Drive Deep Sockets

Vasos Surface Drive (de Contacto Curvo) Largos



SURFACE DRIVE

RS4310M/10



Socket Set on Rail
Juego de Vasos en Regleta

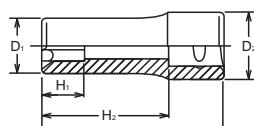


4325



TORX® Deep Sockets

Vasos TORX® Largos



RS4325/7



Socket Set on Rail
Juego de Vasos en Regleta

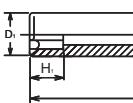


4325 (L140)



TORX® Extra Deep Sockets

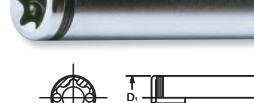
Vasos TORX® Extra Largos



4325 (L140)-2B



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

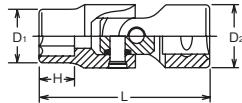


Hand Sockets **1/2"**

4440M • 4440A



6-point Universal Sockets
Vasos Hexagonales con Articulación Universal



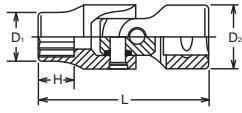
4440A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10
3/4	26.5	25	15	71	170	10
7/8	30.3	25	16	72	185	5

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

4445M • 4445A



12-point Universal Sockets
Vasos Bihexagonales con Articulación Universal



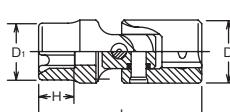
4445A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
New 3/8	14.8	25	8.8	63	155	10
New 7/16	16.5	25	10	65	158	10
New 1/2	19	25	11.4	66	152	10
New 9/16	20.3	25	11.4	66	151	10
New 5/8	22.8	25	13	68	150	10
New 11/16	24.6	25	14	69	153	10

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

4440T



TORX® Universal Sockets
Vasos TORX® con Articulación Universal

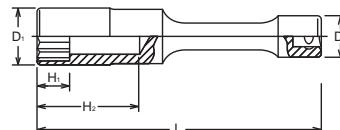


4440T (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
E10	13.2	25	8.2	62	145	10
E12	15	25	9.3	63	147	10
E14	16.3	25	10.6	65	148	10
E16	18.8	25	11.8	65	150	10
E18	20.4	25	13	67	153	10

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
21	28.5	24	21	59	125	291	1
22	30	24	22	59	125	323	1
24	32	24	24	59	125	361	1
27	36.5	24	27	59	125	439	1
30	40	24	30	59	125	461	1
32	42	24	32	59	125	498	1

4117M.250 (mm)	D ₁ (mm)	D ₂ (mm)	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
21	28.5	24	21	59	250	496	1
22	30	24	22	59	250	516	1
27	36.5	24	27	59	250	641	1
30	40	24	30	59	250	663	1
32	42	24	32	59	250	698	1

1/2" Hand Sockets

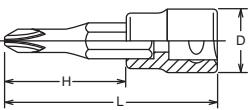
Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALESINDUSTRIAL
PROTECTORESAUTOMOTIVE
PROTECTORCONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4000 (PH)	D (mm)	H (mm)	L (mm)	$\Delta\ddot{\Delta}$ (g)	\diamond (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)

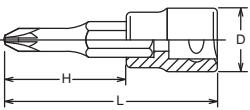
Phillips Bit Sockets
Vasos con Punta Phillips



4000.60 (PZ)	D (mm)	H (mm)	L (mm)	$\Delta\ddot{\Delta}$ (g)	\diamond (pcs.)
PZ2	22	23.5	60	65	10
PZ3	22	23.5	60	65	10

4000-60 (PZ)

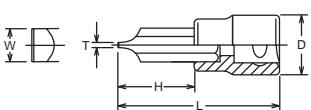
PZ Bit Sockets
Vasos con Punta PZ



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

4005-60

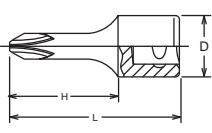
Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas



4001 (PH)	D (mm)	H (mm)	L (mm)	$\Delta\ddot{\Delta}$ (g)	\diamond (pcs.)
1	21	38	60	49	10
2	21	38	60	53	10
3	21	38	60	55	10
4	21	38	60	57	10

4001

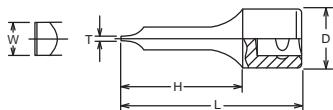
Phillips Bit Sockets
Vasos con Punta Phillips



4006	TxW (mm)	D (mm)	H (mm)	L (mm)	$\Delta\ddot{\Delta}$ (g)	\diamond (pcs.)
5	1.0x 5.5	21	38	60	53	10
8	1.2x 8	21	38	60	62	10
10	1.6x10	21	38	60	67	10
12	2.0x12	21	38	60	72	10
14	2.5x14	21	38	60	81	10
16	2.5x16	21	38	60	88	10

4006

Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas



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

Hand Sockets **1/2"**

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

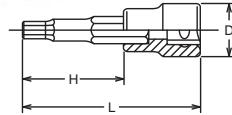
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Inhex Bit Sockets
 Vasos con Punta Hexagonal

4010M-50 · -75 · -100 · -160
4010A-60


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.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.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.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-L50Socket Set on Rail
Juego de Vasos en Regleta**RS4010M/10-L75****RS4010A/10-L60****RS4010M/10-L50**

10 Pieces Set/Rail 300mm

4, 5, 6, 7, 8, 10, 12, 14, 17, 19

⚖️
(g)

968

RS4010M/10-L75

10 Pieces Set/Rail 300mm

4, 5, 6, 7, 8, 10, 12, 14, 17, 19

⚖️
(g)

1,207

RS4010A/10-L60

10 Pieces Set/Rail 300mm

3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4

⚖️
(g)

1,080

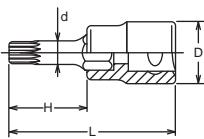
1/2" Hand Sockets

4020-60 · -100 · -120 · -140



XZN Bit Sockets

Vasos con Punta XZN



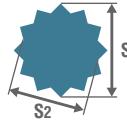
4020.60 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	$\frac{g}{\text{pc}}$	(pzs.)
M 5	22	7.8	23.5	60	60	10
M 6	22	7.8	23.5	60	61	10
M 8	22	7.8	23.5	60	63	10
M10	23	11.9	23.5	60	93	10
M12	23	11.9	23.5	60	97	10
M14	24	13.9	23.5	60	105	10
M16	25	16.9	20	60	165	10
M18	27	17.9	20	60	215	5

4020.120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	$\frac{g}{\text{pc}}$	(pzs.)
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)	$\frac{g}{\text{pc}}$	(pzs.)
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)	$\frac{g}{\text{pc}}$	(pzs.)
M 5	22	7.8	103.5	140	95	10
M 6	22	7.8	103.5	140	96	10
M 8	22	7.8	103.5	140	98	10
M10	23	11.9	103.5	140	172	5
M12	23	11.9	103.5	140	176	5
M14	24	13.9	103.5	140	184	5

XZN



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

RS4020/6-L60	6 Pieces Set/Rail 150mm	$\frac{g}{\text{pc}}$
M5, M6, M8, M10, M12, M14	500	

RS4020/6-L60

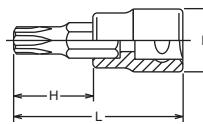


Hand Sockets **1/2"**

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		

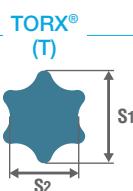
RS4025/9-L60



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		

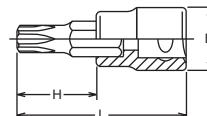


T	T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S ₁ (ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S ₂ (ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

4025-60-T35



Bit Socket
Vasos con Punta



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

1/2" Hand Sockets

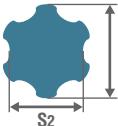
4025.60 (IP)	D (mm)	H (mm)	L (mm)		
20IP	22	23.5	60	60	10
25IP	22	23.5	60	60	10
27IP	22	23.5	60	60	10
30IP	22	23.5	60	60	10
40IP	22	23.5	60	60	10
45IP	22	23.5	60	64	10
50IP	22	23.5	60	74	10
55IP	23	23.5	60	96	10
60IP	24	23.5	60	122	10
70IP	24	23.5	60	170	10

4025.100 (IP)	D (mm)	H (mm)	L (mm)		
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			
	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

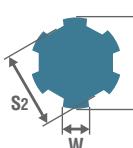
4027.60	D (mm)	H (mm)	L (mm)		
M 5	22	23.5	60	60	10
M 6	22	23.5	60	62	10
M 7	22	23.5	60	63	10
M 8	22	23.5	60	64	10
M 9	22	23.5	60	70	10
M10	22	23.5	60	74	10
M12	23	23.5	60	96	10
M13	24	23.5	60	116	10
M14	24	23.5	60	122	10
M16	24	25	60	135	10

4027.100	D (mm)	H (mm)	L (mm)		
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)		
M 8	22	103.5	140	98	10
M10	22	103.5	140	127	10
M12	23	103.5	140	171	5
M14	24	103.5	140	226	5
M16	24	100	140	320	5

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

Ribe CV



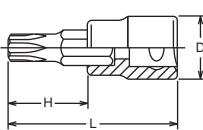
CV	M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
W (ref. mm)	1.2	1.3	1.4	1.8	2.0	2.3	2.6	3.1	3.2	3.6
S ₁ (ref. mm)	5.0	6.0	7.0	8.0	9.0	10.0	12.0	13.0	14.0	16.0
S ₂ (ref. mm)	3.8	4.5	5.0	6.0	7.1	7.4	9.0	11.0	10.4	11.9

4025-60 · -100 (IP)



TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

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

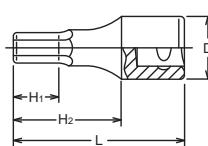


Hand Sockets **1/2"**

Z-SERIES

HAND
MANUALESACCESORIES
ACCESORIOSSLEEVE-DRIVE
INDUSTRIALPROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO**4012M-43 · -60 · -75 · -100**Inhex Sockets
Vasos con Punta de Hexagonal

4012M.43 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	TITANIUM DE TITANIO
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.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.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.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-L60Socket Set on Rail
Juego de Vasos en Regleta

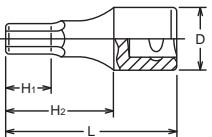
RS4012M/10-L60	10 Pieces set/Rail 300mm	⚖️ (g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		910

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

1/2" Hand Sockets

4012A-43 · -60 · -75 · -100

Inhex Sockets
Vasos Inhex



4012A.43 (inch)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
5/32	21.1	11.5	23	43	40	10
3/16	21.1	11.5	23	43	46	10
7/32	21.1	11.5	23	43	42	10
1/4	21.1	11.5	23	43	43	10
9/32	21.1	11.5	23	43	46	10
5/16	21.1	11.5	23	43	49	10
11/32	21.1	11.5	23	43	63	10
3/8	23	11.5	23	43	59	10
7/16	25	11.5	23	43	74	10
1/2	25	11.5	23	43	85	10
9/16	25	11.5	23	43	88	10
5/8	26	11.5	23	43	100	10
3/4	26	11.5	23	43	110	10
7/8	26	11.5	23	43	141	10

4012A.60 (inch)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
5/32	21.1	15.5	38	60	49	10
3/16	21.1	15.5	38	60	55	10
7/32	21.1	15.5	38	60	56	10
1/4	21.1	15.5	38	60	57	10
9/32	21.1	15.5	38	60	60	10
5/16	21.1	15.5	38	60	64	10
11/32	21.1	15.5	38	60	78	10
3/8	23	15.5	38	60	74	10
7/16	25	15.5	38	60	100	10
1/2	25	15.5	38	60	111	10
9/16	25	15.5	38	60	122	10
5/8	26	15.5	38	60	134	10
3/4	26	15.5	38	60	159	10
7/8	26	22.5	38	60	202	10

4012A.75 (inch)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
5/32	21.1	15.5	53	75	52	10
3/16	21.1	15.5	53	75	58	10
7/32	21.1	15.5	53	75	62	10
1/4	21.1	15.5	53	75	65	10
9/32	21.1	15.5	53	75	70	10
5/16	21.1	15.5	53	75	74	10
11/32	21.1	15.5	53	75	88	10
3/8	23	15.5	53	75	86	10
7/16	25	15.5	53	75	119	10
1/2	25	15.5	53	75	137	10
9/16	25	15.5	53	75	148	10
5/8	26	15.5	53	75	171	10
3/4	26	15.5	53	75	212	10
7/8	26	22.5	53	75	262	10

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

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

RS4012A/10-L60 Socket Set on Rail
Juego de Vasos en Regleta



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

Hand Sockets **1/2"**

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO
ACCEESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCTION
CONSTRUCCIÓN

3749S-1/2

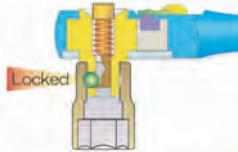
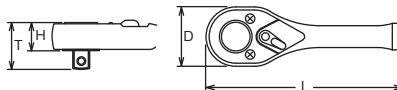
Reversible Ratchet Short
Llave de Carraca Reversible Corta



* Renewal Kits → 3749SRK-1/2 ➔ P304

3749SB-1/2

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



* Renewal Kits → 3749SRK-1/2 ➔ P304

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

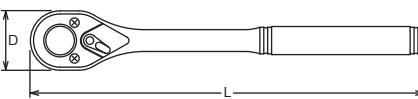
⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

4749N-250

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 4749RK ➔ P304



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

4749N-380

Reversible Ratchet Long
Llave de Carraca Reversible Larga



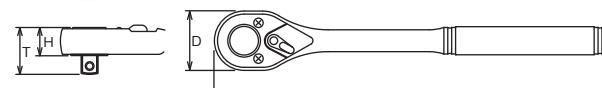
* Renewal Kits → 4749RK ➔ P304

4749J-380

Reversible Ratchet Long
Llave de Carraca Reversible Larga



* Renewal Kits → 4749RK ➔ P304



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

1/2" Hand Sockets



[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 ➔ P304

4750N

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 4750RK ➔ P304

4750P

Reversible Ratchet
Llave de Carraca Reversible



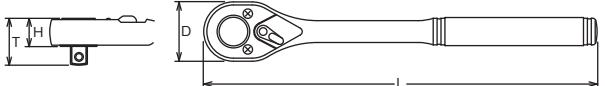
* Renewal Kits → 4750RK ➔ P304

4750J

Reversible Ratchet
Llave de Carraca Reversible



	D (mm)	T (mm)	H (mm)	L (mm)	Δ (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 ➔ P304

4750NB

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



* Renewal Kits → 4750BRK ➔ P304

4750PB

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



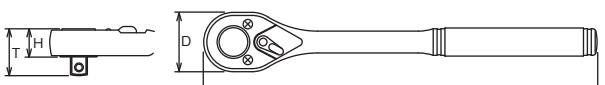
* Renewal Kits → 4750BRK ➔ P304

4750JB

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



	D (mm)	T (mm)	H (mm)	L (mm)	Δ (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.

Koken TOOL CO., LTD.

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
SLEEVE-DRIVE

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
PROTECTORES

CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

RENWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets 1/2"

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
DESTORNILLADORESINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO**4752N**Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4752RK ➔ P305

4752JReversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4752RK ➔ P305

4753NReversible Ratchet
Llave de Carraca Reversible

[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.

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

4753PReversible Ratchet
Llave de Carraca Reversible

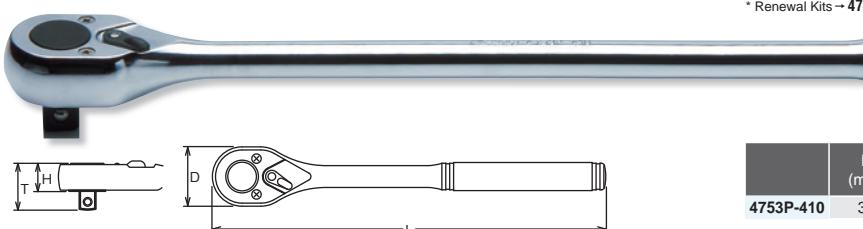
* Renewal Kits → 4753RK ➔ P304

4753JReversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4753RK ➔ P304

D4753JReversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4753RK ➔ P304

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

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



* Renewal Kits → 4753RK ➔ P304

	D (mm)	T (mm)	H (mm)	L (mm)	g (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 ➔ P304



4753NB

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



* Renewal Kits → 4753BRK ➔ P304



4753PB

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



* Renewal Kits → 4753BRK ➔ P304

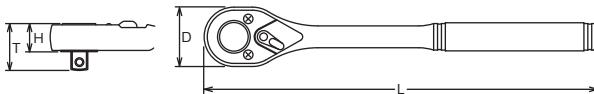


4753JB

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



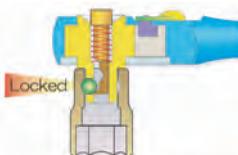
	D (mm)	T (mm)	H (mm)	L (mm)	Weight (g)	PCP (pce.)
4753NB	38	36.2	21.6	250	595	1
4753PB	38	36.2	21.6	250	570	1
4753JB	38	36.2	21.6	250	545	1



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



Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
PROTECTOR

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **1/2"**

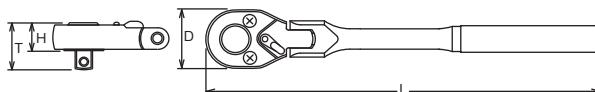
Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALESINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
4774N Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

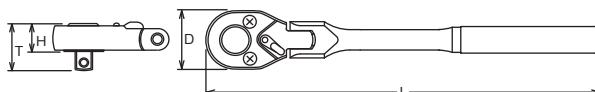
4774P Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

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


	D (mm)	T (mm)	H (mm)	L (mm)	$\frac{g}{kg}$ (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 ➔ P304



	D (mm)	T (mm)	H (mm)	L (mm)	$\frac{g}{kg}$ (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 ➔ P304



4774NB

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



OVAL SHAPE
SHANK



* Renewal Kits - 4753BRK ➔ P304



4774PB

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



* Renewal Kits - 4753BRK ➔ P304

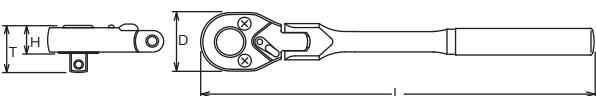


4774JB

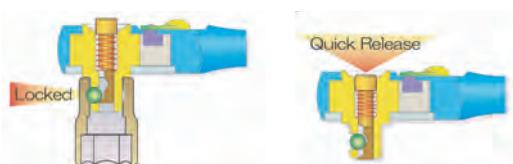
Flexible Ratchet, Reversible with Quick Release Button
Llave de Carraca Flexible, reversible con botón de extracción rápida



	D (mm)	T (mm)	H (mm)	L (mm)	(g) (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
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
DESTORNILLADORESINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4768N-300

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➔ P306



4768N-380 · -450

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➔ P306



4768P-380 · -450

Hinge Handle
Mango Articulado

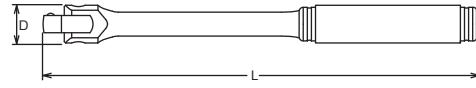
* Renewal Kits → 4768RK ➔ P306



4768J-380 · -450

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➔ P306



⚠ 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 ➔ P306



4768P-600

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➔ P306



4768J-600

Hinge Handle
Mango Articulado

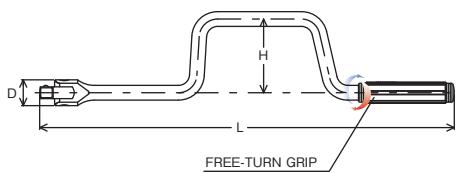
* Renewal Kits → 4768RK ➔ P306



⚠ 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)	📦 (pce.)
4768N-600	28	600	1100	1
4768P-600	28	600	1170	1
4768J-600	28	600	1120	1

1/2" Hand Sockets



4781N-450

Flexible Speed Handle
Manivela Rápida Flexible



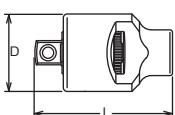
* Renewal Kits → 4768RK ➔ P306



* Renewal Kits → 4755RK ➔ P306

4755

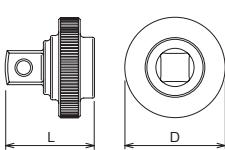
Ratchet Adaptor
Adaptador de carraca



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

4756

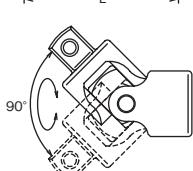
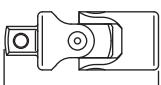
Quick Spinner
Disco de Giro Rápido



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

4770

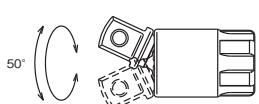
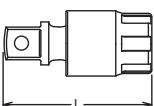
Universal Joint
Articulación Universal



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

4771

Universal Joint
Articulación Universal



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



UNIVERSAL JOINT

Z-SERIES

HAND
MANUALES

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DE TITANIO

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PROTECTORES

AUTOMOTIVE
AUTOMOTIVAS

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **1/2"**

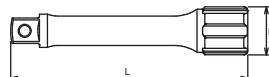
Z-SERIES
HAND
MANUALES

TITANIUM
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JUEGOS DE PIEZAS REPUESTO

4760 Extension Bars
Alargaderas



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

PK4760/5 Set
Juego



4763 Wobble-Fix Extension Bars
Alargaderas Articuladas-Fijas



PK4760/5 PLASTIC TRAY	5 Pieces Set/ $\Delta\theta=1,050\text{g}$
Extension Bars	

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



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

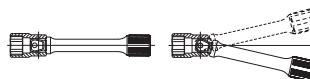
The Wobble-Fix Extension Bar has less strength than normal extension bar due to its specific design with a reduced square drive. Make sure to use it correctly.

PK4763/5 Set
Juego



PK4763/5 PLASTIC TRAY	5 Pieces Set/ $\Delta\theta=950\text{g}$
Extension Bars	

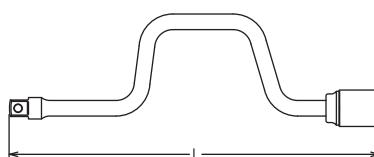
4763 Wobble-Fix Extension Bars
50, 75, 125, 150, 250



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.)
	400	644	1

1/2" Hand Sockets



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

4785 T-Handle
Mango Corredizo

	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
4747	260	50	470	1

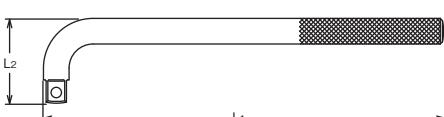


4747 L-Handle
Mango Acodado



	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
4788	250	53	417	2
	300	53	503	1
	450	53	745	1

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



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.

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

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

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

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

4433A Adaptors
Adaptadores

Warranty 290Nm
Garantía 290Nm



4466A Adaptor
Adaptador



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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets **1/2"**

HAND
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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4222M Socket Set
 Juego de Vasos



4223M Socket Set
 Juego de Vasos



4227M Bit Socket Set
 Juego de Vasos con Punta



4230M • 4230A Socket Sets
 Juegos de Vasos



4232M Socket Set
 Juego de Vasos



4222M 13 Pieces Set/ Δ =2,780g
METAL CASE:W415xH120xT50mm

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

4223M 15 Pieces Set/ Δ =2,600g
METAL CASE:W415xH120xT50mm

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

4227M 10 Pieces Set/ Δ =2,550g
METAL CASE:W310xH150xT50mm

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

4230M 17 Pieces Set/ Δ =3,150g
METAL CASE:W395xH90xT50mm

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

4230A 17 Pieces Set/ Δ =3,150g
METAL CASE:W395xH90xT50mm

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

4232M 16 Pieces Set/ Δ =3,300g
METAL CASE:W415xH120xT50mm

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

1/2" Hand Sockets

Z-SERIES

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JUEGOS DE PIEZAS REPUESTO

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

Display Stands
Expositores

4240M-00 4400M 32 Pieces Set/ $\Delta\Delta$ =4,400g
 4240M-05 4405M 32 Pieces Set/ $\Delta\Delta$ =4,400g

DISPLAY STAND:W410xH160xT500mm

Sockets

Sockets (2pcs.each)

10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 27, 30, 32

4240A-00 4400A 32 Pieces Set/ $\Delta\Delta$ =4,700g
 4240A-05 4405A 32 Pieces Set/ $\Delta\Delta$ =4,700g

DISPLAY STAND:W410xH160xT500mm

Sockets

Sockets (2pcs.each)3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1,
 1.1/16, 1.1/8, 1.3/16, 1.1/4

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

Display Stands
Expositores

S4240M-00 4400M 117 Pieces Set/ $\Delta\Delta$ =13,000g
 S4240M-05 4405M 117 Pieces Set/ $\Delta\Delta$ =13,000g

DISPLAY STAND:W510xH150xT230mm

Sockets

10mm:9pcs	16mm:9pcs	24mm:6pcs
11mm:9pcs	17mm:8pcs	27mm:5pcs
12mm:9pcs	19mm:7pcs	30mm:5pcs
13mm:9pcs	21mm:7pcs	32mm:4pcs
14mm:9pcs	22mm:6pcs	
15mm:9pcs	23mm:6pcs	

S4240A-00 4400A 103 Pieces Set/ $\Delta\Delta$ =13,000g
 S4240A-05 4405A 103 Pieces Set/ $\Delta\Delta$ =13,000g

DISPLAY STAND:W510xH150xT230mm

Sockets

3/8" :9pcs	11/16":8pcs	1" :5pcs
7/16":9pcs	3/4" :7pcs	1.1/16":5pcs
1/2" :9pcs	13/16":7pcs	1.1/8" :5pcs
9/16":9pcs	7/8" :6pcs	1.3/16":5pcs
5/8" :9pcs	15/16":6pcs	1.1/4" :4pcs



Hand Sockets **1/2"**

HAND
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PROTECTOR
PROTECTORES

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4238AM Socket Set
Juego de Vasos



4241M Socket Set
Juego de Vasos



4241A Socket Set
Juego de Vasos



4244M • 4244A Socket Sets
Juegos de Vasos



4238AM 38 Pieces Set/ Δ =8,050g
METAL CASE:W446xH266xT50mm

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

4241M 28 Pieces Set/ Δ =6,500g
METAL CASE:W445xH190xT50mm

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

4241A 19 Pieces Set/ Δ =5,350g
METAL CASE:W445xH190xT50mm

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

4244M 22 Pieces Set/ Δ =5,500g
METAL CASE:W445xH190xT50mm

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

4244A 22 Pieces Set/ Δ =5,650g
METAL CASE:W445xH190xT50mm

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

1/2" Hand Sockets

Z-SERIES

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PROTECTORESAUTOMOTIVE
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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

4248M Socket Set
Juego de Vasos



4250M	18 Pieces Set/ $\Delta\Delta$ =3,700g
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 22, 24, 27, 30, 32	4753N 4760-125 4760-250 4770 4785

4250M Socket Set
Juego de Vasos



4251M	22 Pieces Set/ $\Delta\Delta$ =3,200g
METAL CASE:W330xH68xT48mm	
Sockets	
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	
4251A	18 Pieces Set/ $\Delta\Delta$ =2,660g
METAL CASE:W330xH68xT48mm	
Sockets	
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 19/32, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4	

4251M • 4251A Socket Sets
Juegos de Vasos



4252M	13 Pieces Set/ $\Delta\Delta$ =1,200g
METAL CASE:W168xH60xT42mm	
Sockets	
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	
4252A	13 Pieces Set/ $\Delta\Delta$ =1,300g
METAL CASE:W168xH60xT42mm	
Sockets	
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16	

4252M • 4252A Socket Sets
Juegos de Vasos



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

4254 Socket Set
Juego de Vasos



Hand Sockets **1/2"**

HAND
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INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4261M Socket Set
 Juego de Vasos



4261M 18 Pieces Set/ $\Delta\Delta$ =4,870g
METAL CASE:W445xH190xT50mm

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

4263M Socket Set
 Juego de Vasos



4263M 21 Pieces Set/ $\Delta\Delta$ =6,100g
METAL CASE:W445xH190xT50mm

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

4273AM Socket Set
 Juego de Vasos



4273AM 30 Pieces Set/ $\Delta\Delta$ =6,940g
METAL CASE:W446xH266xT50mm

Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 26, 27	4753N
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	4760-125
	4760-250
	4768N-380
	4770
	4785

P4241M-00 Socket Sets
 Juegos de Vasos

P4241M-05



P4241M-00 28 Pieces Set/ $\Delta\Delta$ =6,400g
PLASTIC CASE:W425xH332xT65mm

Sockets	Accessories
4400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	4753J
	4760-125
	4760-250
	4768J-380
	4770
	4785

P4241M-05 28 Pieces Set/ $\Delta\Delta$ =6,400g
PLASTIC CASE:W425xH332xT65mm

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	4753J
	4760-125
	4760-250
	4768J-380
	4770
	4785

1/2" Hand Sockets

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
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DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALESPROTECTOR
AUTOMOTIVECONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4275	24 Pieces Set/ $\Delta\Delta$ =5,340g
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
4400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	4750N 4760-125
4300C Spark Plug Sockets 16, 20.8	4760-250
4300M Wheel Nut Sockets 17(L60), 19(L60), 21(L60)	4768N-380 4770 4785

4276	17 Pieces Set/ $\Delta\Delta$ =2,890g
METAL CASE:W370xH150xT50mm	
Sockets	Accessories
4010M.50 Bit Sockets 6, 7, 8, 10, 12, 14	4752N
4025.60 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50, T55, T60	4763-125

4277	27 Pieces Set/ $\Delta\Delta$ =5,660g
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	4750N 4760-125
4305M 12-pt. Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	4768N-380

4279AM	36 Pieces Set/ $\Delta\Delta$ =6,000g
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	4753N 4760-125
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	4760-250 4770 4785

4289M	18 Pieces Set/ $\Delta\Delta$ =4,200g
METAL CASE:W445xH190xT50mm	
Sockets	Accessories
4405M 12-pt. Sockets 8, 10, 12, 13, 14, 17, 19, 21, 22, 24, 27, 30, 32	4753N 4760-125
	4760-250
	4768N-450
	4771

4275 Socket Set
Juego de Vasos



4276 Socket Set
Juego de Vasos



4277 Socket Set
Juego de Vasos



4279AM Socket Set
Juego de Vasos



4289M Socket Set
Juego de Vasos



Hand Sockets **3/4"**

HAND
MANUALES

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DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

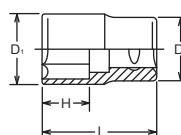
6400M • 6400A



6-point Sockets
Vasos Hexagonales



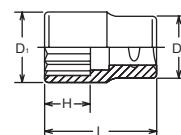
FLAT DRIVE®



6405M • 6405A



12-point Sockets
Vasos Bihexagonales

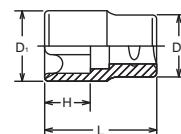


6400M 6405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	PCS. (pcs.)
14	22.1	34	11	50	160	10
16	24.6	34	12	50	167	10
17	26	34	12.5	50	175	5
18	27	34	13	50	178	5
19	28.5	34	13.5	50	179	5
20	29.5	34	14	50	185	5
21	31	34	14.5	50	185	5
22	32	34	15	50	187	5
23	33.5	34	16	50	187	5
24	34.5	34	17	50	200	5
25	36	34	17.5	50	217	5
26	37	34	18	50	222	5
27	38.5	37	19	53	254	5
28	39.5	38	19.5	53	298	5
29	41	38	20	55	292	5
30	42	38	21	55	301	5
31	43.5	38	22	57	294	5
32	44.5	40	23	57	351	5
33	46	40	23.5	57	384	5
34	47	40	24	57	397	5
35	48.5	42	24.5	59	422	5
36	49.5	42	25	59	438	5
37	51	42	25.5	59	484	5
38	52	45	26	59	523	5
39	53.5	45	26.5	59	538	5
40	54.5	45	27	62	550	5
41	56	47	28	62	633	5
42	57	47	28.5	62	652	2
43	58.5	47	29	62	659	2
44	59.5	47	29.5	62	657	2
45	61	47	30	68	734	2
46	62	47	31	68	791	2
47	63.5	48	31.5	68	816	2
48	64.5	45	32	68	800	2
50	67	48	34	68	880	2
52	69.5	53	33	72	925	2
54	72	55	33	72	1040	2
55	73.5	53	36	72	1006	2
56	74.5	53	36	72	1092	2
57	76	53	36	72	1169	2
58	77	53	36	72	1149	2
60	79.5	58	39	76	1402	2
63	83.5	58	39	76	1494	2
65	86	63	42	80	1608	2
70	92	68	45	84	1785	2
75	98.5	73	48	86	2186	1
78	102.1	73	55	86	2425	1
80	104.5	78	52	90	2475	1
85	111	78	52	90	2620	1

6425



TORX® Sockets
Vasos TORX®



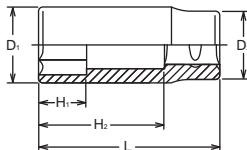
6425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	PCS. (pcs.)
E18	22.1	34	11.9	50	156	5
E20	24.6	34	13.3	50	166	5
E22	27.1	34	14.4	50	178	5
E24	28.6	34	16	50	185	5
E26	31.1	34	17.7	55	217	5
E28	32.1	34	24.1	60	237	5
E30	35	34	24.1	60	242	5
E32	36.1	34	24.1	60	247	5

3/4" Hand Sockets

6300M • 6300A



6-point Deep Sockets
Vasos Hexagonales Largos



6305M • 6305A



12-point Deep Sockets
Vasos Bihexagonales Largos

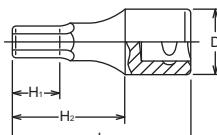


6300M 6305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)
17	26	34	18	64	90	278	5
18	27	34	19	64	90	281	5
19	28.5	34	20	64	90	292	5
20	29.5	34	21	64	90	334	5
21	31	34	22	64	90	343	5
22	32	34	23	64	90	347	5
23	33.5	34	24	64	90	361	5
24	34.5	34	25	64	90	352	5
25	36	34	26	64	90	369	5
26	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

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"**

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
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DE IMPACTO

SLEEVE-DRIVE

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CONSTRUCTION

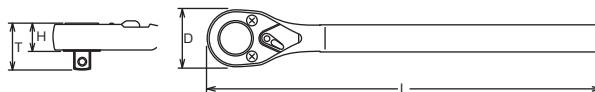
INDUSTRIAL

RENEWAL KITS

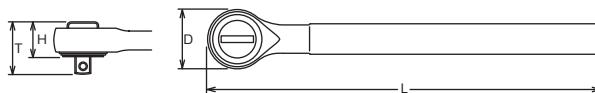
JUEGOS DE PIEZAS REPUESTO

Reversible Ratchet
Llave de Carraca Reversible**6749****6749-1000** **6749-HEAD****PIPE-400 · -800**

* Renewal Kits → 6749RK ➔ P304

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 6752RK ➔ P305

6752**6752-HEAD****PIPE-400**

	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
New PIPE-400	—	—	—	400	1110	1

3/4" Hand Sockets

Z-SERIES

HAND
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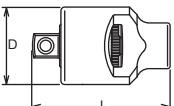
INDUSTRIAL
PROTECTORES

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

6755 Ratchet Adaptor Adaptador de carraca



* Renewal Kits → 6755RK ➔ P306

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

6760 Extension Bars Alargaderas



	D (mm)	L (mm)	 (g)	 (pce.)
75	35	75	335	10
100	35	100	434	10
125	35	125	528	10
150	35	150	624	2
200	35	200	815	1
300	35	300	1203	1
400	35	400	1585	1



Hand Sockets **3/4"**

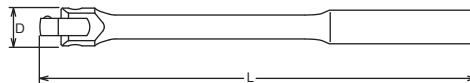
Z-SERIES

HAND
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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN
6768 Hinge Handle
Mango Articulado


* Renewal Kits → 6768RK ➔ P306



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

6768-600 · -1000 Hinge Handles
Mangos Articulados

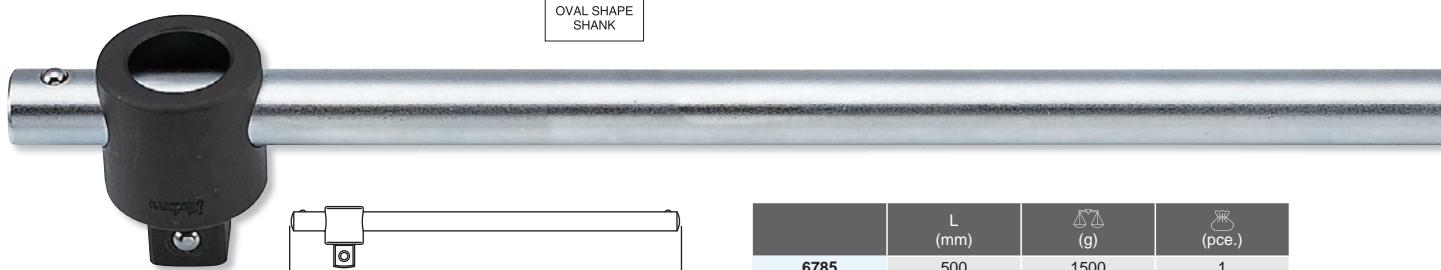
6768-HEAD
PIPE-400 · -800


* Renewal Kits → 6768RK ➔ P306



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

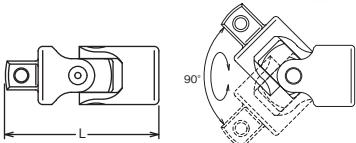
	L (mm)	(g)	(pce.)
6785	500	1500	1

6788 L-Handle
Mango Acodado

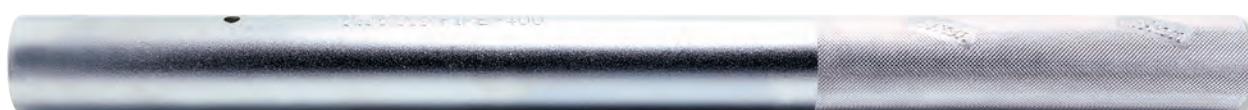

	L (mm)	(g)	(pce.)
6788	330	1200	1

3/4" Hand Sockets

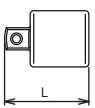
6770 Universal Joint
Articulación Universal



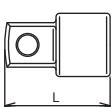
	L (mm)	(g)	(pcs.)
6770	105	500	2



6644A Adaptor Warranty 668Nm
Adaptador Garantía 668Nm



6688A Adaptor
Adaptador



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

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

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

Z-SERIES

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JUEGOS DE PIEZAS REPUESTO

Hand Sockets **3/4"**

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6201M • 6201A

Socket Sets
Juegos de Vasos

6201M

METAL CASE: W580xH200xT85mm

Sockets	Accessories
6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50, 55, 60	6749
	6760-200
	6760-400
	6768
	6785

16 Pieces Set/ $\Delta\Delta$ =17,300g

6201A

METAL CASE: W580xH200xT85mm

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

18 Pieces Set/ $\Delta\Delta$ =17,600g

6212M • 6212A

Socket Sets
Juegos de Vasos

6212M

METAL CASE: W580xH124xT70mm

Sockets	Accessories
6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50	6749
	6760-200
	6785

12 Pieces Set/ $\Delta\Delta$ =11,000g

6212A

METAL CASE: W580xH124xT70mm

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

12 Pieces Set/ $\Delta\Delta$ =11,000g

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

3/4" Hand Sockets

6260M • 6260A Socket Sets
Juegos de Vasos



6260M		20 Pieces Set/ $\Delta\Delta$ =15,800g
METAL CASE:W580xH200xT85mm		
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/ $\Delta\Delta$ =19,000g
METAL CASE:W580xH200xT85mm		
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/ $\Delta\Delta$ =12,500g
METAL CASE:W580xH124xT70mm		
Sockets	Accessories	
6405M 12-pt. Sockets 19, 22, 24, 27, 29, 30, 32, 36, 38, 41, 46, 50	6749	
	6760-200	
	6768	

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets 1"

Z-SERIES

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PROTECTOR
PROTECTORES

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CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

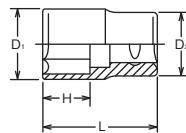
8400M • 8400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

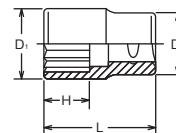


8400M 8405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	(pce.)
24	36.5	44	17	60	348	1
27	40.5	44	19	60	362	1
28	41.5	44	19.5	60	368	1
29	43	44	20	60	378	1
30	44	45	21	65	410	1
32	46.5	45	23	65	455	1
33	48	46	23.5	65	485	1
34	49	46	24	65	500	1
35	50.5	48	24.5	65	536	1
36	51.5	48	25	65	600	1
38	54	50	26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



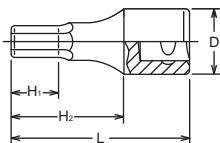
8400A 8405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	(pce.)
15/16	36.5	44	17	60	355	1
1. 3/16	44	45	21	65	410	1
1. 1/4	46.5	45	23	65	455	1
1. 5/16	48	46	23.5	65	485	1
1. 3/8	50.5	48	24.5	65	536	1
1. 7/16	53	50	25.5	65	607	1
1. 1/2	54	50	26	65	624	1
1. 9/16	56.5	53	27	65	686	1
1. 5/8	58	53	28	68	747	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



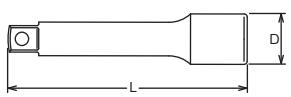
Inhex Sockets
Vasos con Punta de Hexagonal



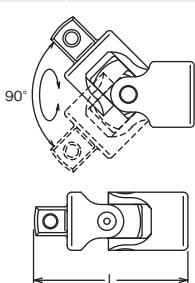
8760 Extension Bars



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



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



8770 Universal Joint



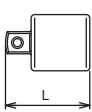
8866A	◻ (mm)	◻ (mm)	L (mm)	⚖ (g)	📦 (pce.)
	1"	3/4"	60	338	5

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

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

8866A

Adaptor Warranty 1850Nm
Adaptador Garantía 1850Nm



Hand Sockets 1"

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO
ACCESSORIES
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SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

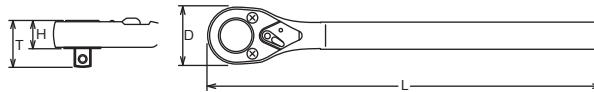
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCTION
CONSTRUCCIÓN

8749 Reversible Ratchet
Llave de Carraca Reversible

8749-1000

8749-HEAD

PIPE-580 · -800



* Renewal Kits → 8749RK ➔ P304

	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
New 8749-HEAD	70	62.2	36.2	220	2490	1
New PIPE-580	—	—	—	580	1610	1
New PIPE-800	—	—	—	800	2230	1

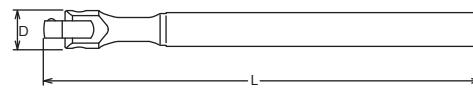
8749-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

8768 Hinge Handle
Mango Articulado

8768-1000

8768-HEAD

PIPE-400 · -800



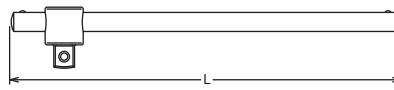
* Renewal Kits → 8768RK ➔ P306

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

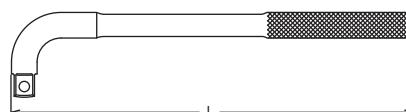
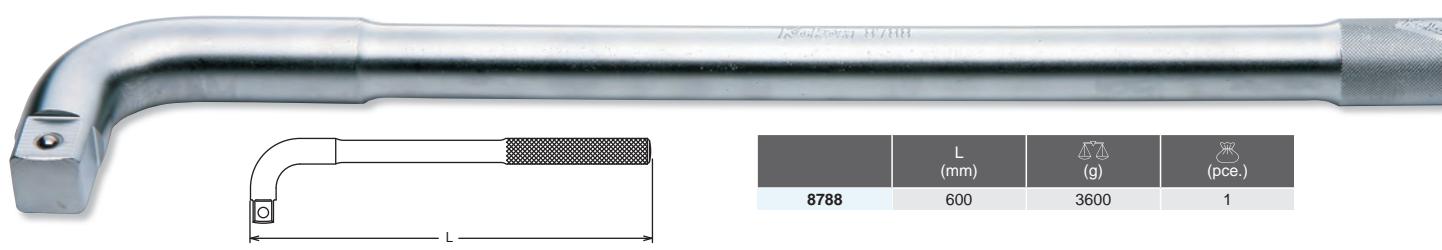
8785-700



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

8785-700 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.

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

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DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORS

AUTOMOTIVE
PROTECTORES

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Hand Sockets 1"

Z-SERIES
HAND MANUALES

TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS

SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO

SLEEVE-DRIVE INDUSTRIALES

INDUSTRIAL INDUSTRIALES

PROTECTOR PROTECTORES
AUTOMOTIVE

RENEWAL KITS CONSTRUCTION CONSTRUCCIÓN
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

8200M • 8200A

Socket Sets
Juegos de Vasos



8200M

METAL CASE: W600xH150xT110mm

12 Pieces Set/ Δ =18,600g

Sockets

8405M 12-pt. Sockets
35, 38, 41, 46,
50, 54, 58, 63

Accessories

	8760-200
	8760-400
	8770
	8785

8200A

METAL CASE: W600xH150xT110mm

12 Pieces Set/ Δ =18,600g

Sockets

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

Accessories

	8760-200
	8760-400
	8770
	8785

8225M

Socket Set
Juego de Vasos



8225M

METAL CASE: W620xH217xT97mm

15 Pieces Set/ Δ =27,000g

Sockets

8405M 12-pt. Sockets
32, 33, 36, 41, 46, 50,
55, 60, 65, 70, 75, 80

Accessories

	8749
	8760-200
	8760-400

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

Titanium Sockets



Titanium Sockets

Z-SERIES
HAND
MANUALES

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DE TITANIO
ACCESSORIES
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TI4261M

Socket Set Titanium
Juego de Vasos de Titanio



Pentagon Drive

TI4261M
WOODEN CASE:W445xH190xT60mm

Sockets

TI4400M 6-pt. Sockets
8, 10, 11, 12, 13, 14, 17,
19, 21, 22, 24, 26, 27

18 Pieces Set/ Δ =4,280g

Accessories	
	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 Titánio

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

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

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

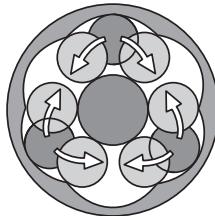
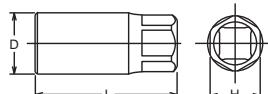


Accessories



4100M • 4100A

Screw and Stud Pullers
Extractores de Espárragos y Tornillos

STUD BOLT
PULLER**Screw and Stud Pullers**

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

Extractores de Tornillos y Espárragos

The hexagonal body design prevents excessive loads on the cages and rollers inside the extractor.

4100M (mm)		D (mm)	L (mm)	H (mm)	(g)	(pcs.)
5		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		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 ➔ P307

⚠ 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	4.7- 5	1/4
6	5.6- 6	5/16
7	6.6- 7	3/8
8	7.6- 8	7/16
9	8.4- 9	1/2
10	9.4-10	9/16
10.5	9.9-10.5	5/8
11	10.4-11	
12	11.4-12	
14	13.2-14	
16	15.2-16	

4211M • 4211A

Screw and Stud Pullers Sets
Juegos de Extractores de Tornillos y Espárragos



4211M	4 Pieces Set/ = 1,040g
METAL CASE: W215xH80xT47mm	
PULLER	

● 4100M Stud Pullers
6, 8, 10, 12

4211A	4 Pieces Set/ = 1,040g
METAL CASE: W215xH80xT47mm	
PULLER	

● 4100A Stud Pullers
1/4, 5/16, 3/8, 1/2**4214M**

Screw and Stud Pullers Set
Juegos de Extractores de Tornillos y Espárragos



4214M	5 Pieces Set/ = 1,450g
METAL CASE: W215xH80xT47mm	
PULLER	

● 4100M Stud Pullers
6, 8, 10, 12, 14

6100M (mm)		D (mm)	L (mm)	H (mm)	$\frac{D}{L}$ (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

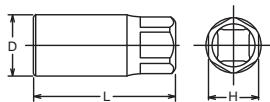
* Renewal Kits → 6100MRK ➔ P307

⚠ 6100M-22 to -30 do not have 3/4" square drive.

Drive the outer hexagon part with sockets or ring wrenches
(size 22-24mm = 36H, 27-30mm = 46H).

6100M-22-30 no tienen conductores cuadrados de 3/4"
Apretar la parte hexagonal exterior con vasos o llaves de tuerca
(medidas 22-24mm = 36H, 27-30mm = 46H)

6100M ○ Screw and Stud Pullers Extractores de Tornillos y Espárragos



Tolerance/Tolerancia

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

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

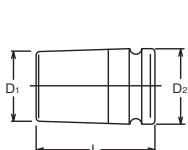
14100A (inch)		D ₁ (mm)	D ₂ (mm)	L (mm)	$\frac{D}{L}$ (g)	(pcs.)	∅
1/4		24	25	48	126	10	*1
5/16		24	25	48	122	10	*1
3/8	1/2"	28	30	48	181	10	*2
7/16		28	30	48	181	10	*2
1/2		28	30	48	180	10	*2

*1 C-Ring=1401C,Pin/O-Ring=1401A/B ➔ P254-255

*2 C-Ring=1402C,Pin/O-Ring=1402A/B

14100M • 14100A

○ Impact Screw and Stud Pullers Extractores de Tornillos y Espárragos de Impacto



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			

Stud Puller & Setter

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
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SLEEVE-DRIVE

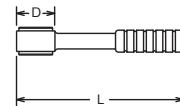
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PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

141S ○ Stud Puller Ratchets Extractores de Espárragos de Carraca



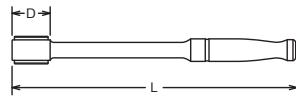
141S (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

141 ○ Stud Puller Ratchets Extractores de Espárragos de Carraca



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

141P ○ Stud Puller Ratchets Extractores de Espárragos de Carraca



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

141 (inch)	D (mm)	L (mm)	(g)	(pce.)
5/16	28	205	215	1
3/8	32	205	234	1
1/2	32	205	233	1

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

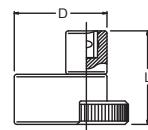


141P (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	205	210	1
8	28	205	210	1
10	32	205	229	1
12	32	205	227	1



1201	4 Pieces Set/ =973g
METAL CASE:W240xH100xT32mm	
PULLER	
141S Stud Puller Ratchet 6, 8, 10, 12	

4104 ○ Screw and Stud Puller Extractor de Tornillos y Espárragos



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

4103M (mm)	<input type="checkbox"/>	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)	<input checked="" type="checkbox"/> 1/2"	15.3	23	13	44	86	10
10(1.5)		15.3	23	13	44	86	10
12(1.25)		17.8	23	14	44	86	10
12(1.75)		17.8	23	14	44	86	10

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



4103M Stud Bolt Setters Vasos para apretar pernos



4203M 4 Pieces Set/ =530g

METAL CASE:W130xH65xT26mm

Stud Bolt Setter

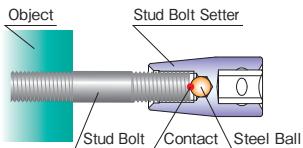
4103M Stud Bolt Setters 6(1.0), 8(1.25), 10(1.5), 12(1.75)

4203MF 4 Pieces Set/ =530g

METAL CASE:W130xH65xT26mm

Stud Bolt Setter

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



A special socket for installing a stud bolt.
Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

4203M Stud Bolt Setters Set Juego de Vasos para apretar Pernos

4203MF

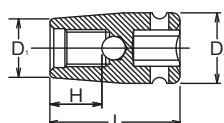


13103M (mm)	<input type="checkbox"/>	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5(0.8)		9.5	19	8	32	39	10	*1
6(1.0)		10.8	19	9	32	41	10	*1
7(1.0)	<input checked="" type="checkbox"/> 3/8"	12.5	19	10	32	44	10	*1
8(1.25)		13.5	19	11	35	49	10	*1
10(1.25)		15.8	19	13	35	49	10	*1
10(1.5)		15.8	19	13	35	49	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

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.

13103M Impact Stud Bolt Setters Vasos para apretar Pernos de Impacto

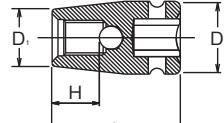


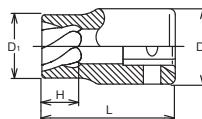
14103M (mm)	<input type="checkbox"/>	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6(1.0)		12	25	11	42	75	10	*1
7(1.0)		13.2	25	12	42	78	10	*1
8(1.25)		14.5	25	15	42	81	10	*1
10(1.25)	<input checked="" type="checkbox"/> 1/2"	17	25	18	49	106	10	*1
10(1.5)		17	25	18	49	106	10	*1
12(1.25)		19.5	25	19	49	107	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=1401C, Pin/O-Ring=1401A/B → P254-255

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 Impact Stud Bolt Setters Vasos para apretar Pernos de Impacto



2127 ○ NUTTWISTER®
AFLOJA TUERCAS

NUTTWISTER®

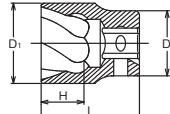
2127 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
4		7	13	4	23	14	10
4.5		7.4	13	4	23	14	10
5		8	13	5	23	14	10
5.5		8.8	13	5	23	14	10
6	1/4"	9.5	13	6	23	14	10
7		10.9	13	6	23	14	10
8		11.5	13	8	23	14	10
9		13	13	8	23	15	10
9.5		13.8	13	10	23	16	10
10		14.8	13	10	23	17	10

RS2127/6 ○ Socket Set on Rail
Juego de Vasos en Regleta

RS2127/6	6 Pieces Set/Rail 150mm	g (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 (g)
4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5, 10		180

3127 ○ NUTTWISTER®
AFLOJA TUERCAS

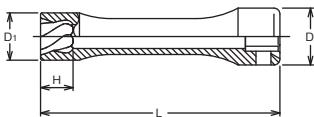
3127 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
8		11.5	19	8	32	40	10
9		13	19	8	32	40	10
9.5		13.8	19	8	32	41	10
10		14.8	19	10	32	41	10
11		16	19	10	32	43	10
12	3/8"	17	19	12	32	44	10
13		18.5	19	12	32	46	10
14		19.7	19	14	32	48	10
15		20.7	19	14	32	52	10
16		22.2	22	14	32	66	10
17		23.5	22	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 (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	3/8"	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	1/2"	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

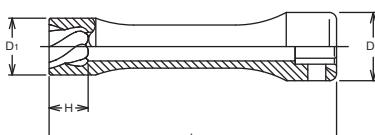


RS4127/6 Socket Set on Rail
Juego de Vasos en Regleta

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



4128-120 NUTTWISTER® (Long type)
AFLOJA TUERCAS (Serie Larga)

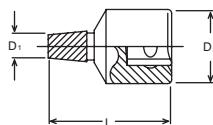


4128.120 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)
17		23.5	30	16	120	227	10
19	1/2"	26	30	16	120	247	10
21		28	30	17	120	262	10
22		29.5	30	17	120	259	10

⚠ 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.



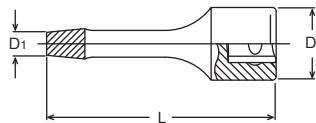
3129-32 BOLTTWISTER®
AFLOJA PERNOS


BOLTTWISTER®

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

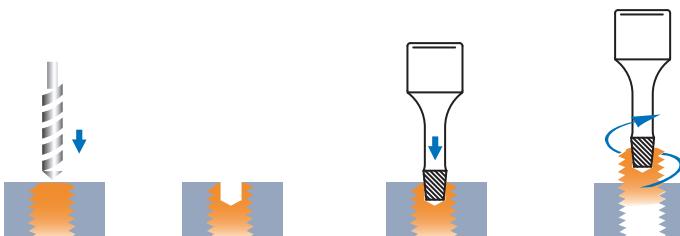

RS3129/6-L32	6 Pieces Set/Rail 150mm	⚖️ (g)
2, 3, 4, 6, 8, 10		250

3129-60 BOLTTWISTER®
AFLOJA PERNOS


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

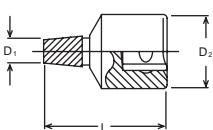
Un método efectivo y una fácil solución para aflojar pernos rotos. Taladrar un agujero en el centro del perno e introducir el AFLOJA PERNOS BOLTTWISTER® presionando y girando. Las afiladas aristas espirales agarren el perno roto sacándolo.

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	1/2"	12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10

4129-37

BOLTTWISTER®
AFLOJA PERNOS



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

RS4129/5-L37

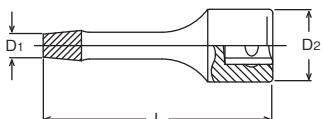
Socket Set on Rail
Juego de Vasos en Regleta



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	1/2"	12	24	75	110	10
14		14	24	75	130	10
16		16	24	75	150	10

4129-75

BOLTTWISTER®
AFLOJA PERNOS



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

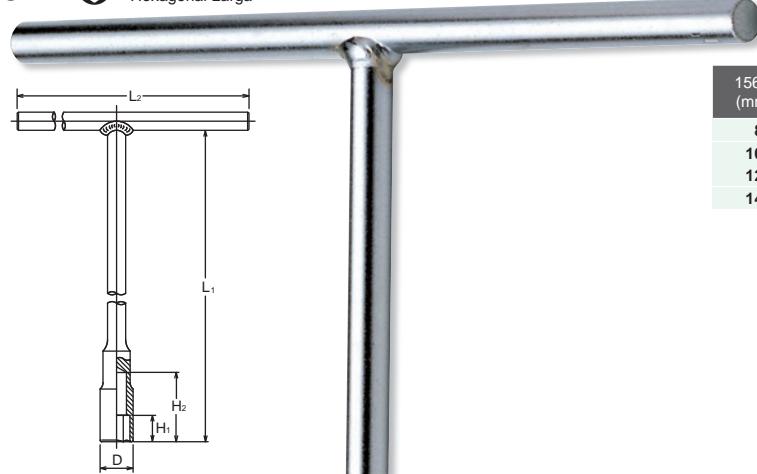
RS4129/5-L75

Socket Set on Rail
Juego de Vasos en Regleta



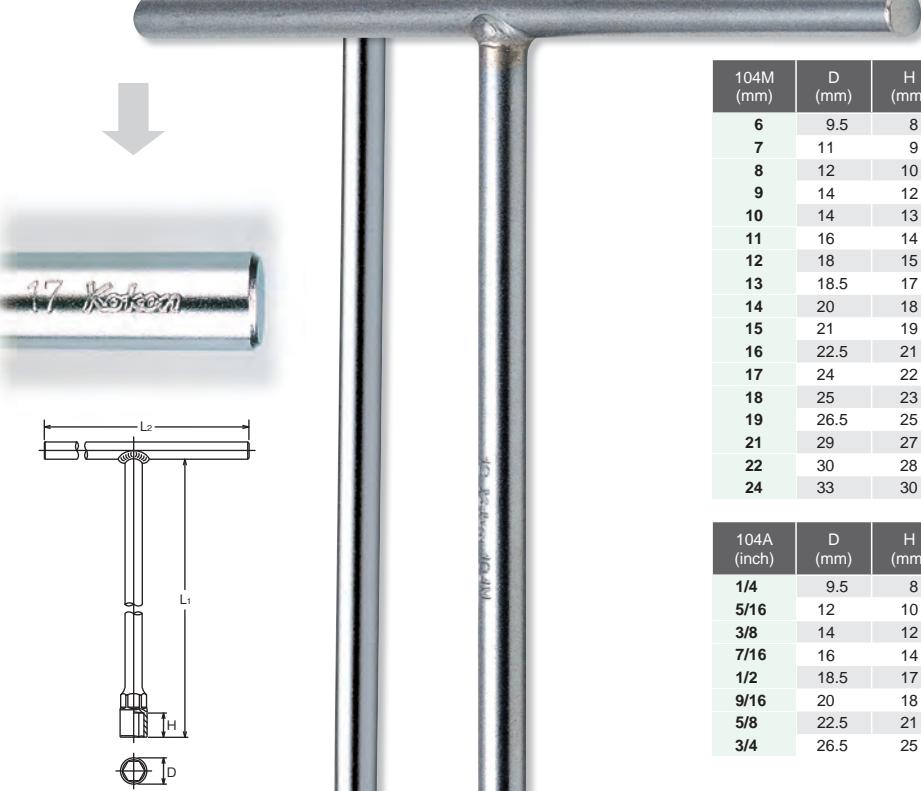
T-Type Wrench

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

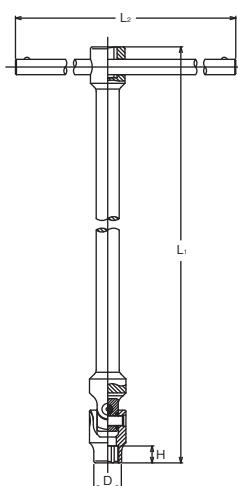
Con articulación universal con Vaso Hexagonal

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

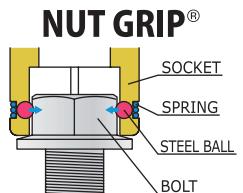


NUT GRIP®

**124M-600 (2B)**

Ball Joint plus Nut Grip Socket

Con articulación de rótula y Vaso Sujeta Tuerca



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)



HAND
MANUALES

Z-SERIES

TITANIUM
DE TITANIO

ACCESSIONS
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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®



TITANIUM
DE TITANIO

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

157P



For Phillips Screws
Para Tornillos Phillips

157S

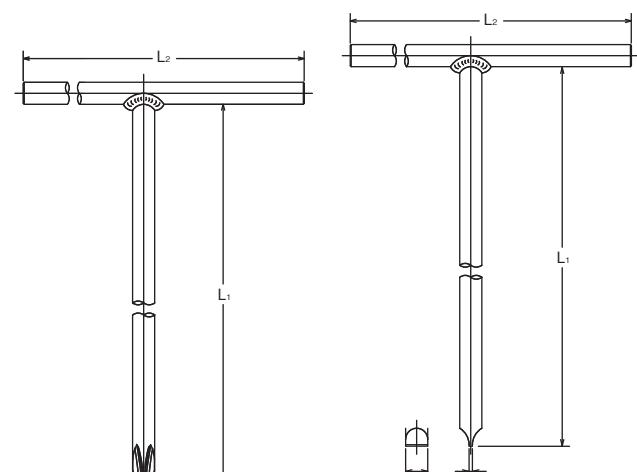


For Slotted Heads
Para Cabezas Ranuradas



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

157S	TxW	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
6	1.0x6	200	180	84	1
8	1.2x8	250	180	170	1



2715 T-Handle
Llaves en T



3715 T-Handle
Llaves en T



3715S T-Handle
Llaves en T



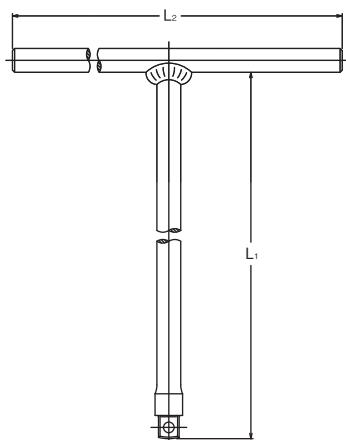
3715SL T-Handle
Llaves en T



3716 T-Handle
Llaves en T



3715SLK T-Handle
Llaves en T



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

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

2715/3715/3716
This tool is used sockets in hard to reach places. 3716 has a reduced square drive and similar function as offset extention bars.



Z-SERIES
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

T-Type Wrench

Z-SERIES
HAND MANUALES

ACCESSIONES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR
PROTECTORES

RENEWAL KITS
CONSTRUCTION
AUTOMOTIVE
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

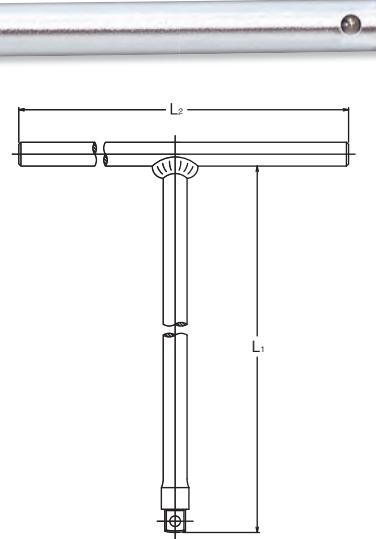
4715 T-Handle
Llaves en T



4715S T-Handle
Llaves en T

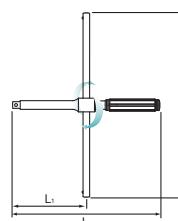


4715SL T-Handle
Llaves en T



		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

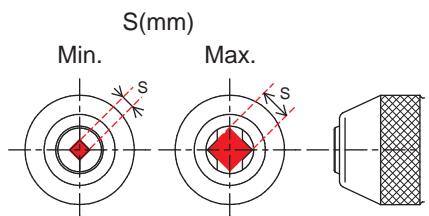
		L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	 (g)	 (pce.)
4711X		140	280	350	945	1

3131E		D ₁ (mm)	D ₂ (mm)	L (mm)	g (g)	(pcs.)
New	□2.1x ø2.8	6.8	18	40	45	10
New	□2.7x ø3.5	8	18	40	46	10
New	□3.4x ø4.5	9.5	18	40	47	10
New	□4.9x ø6	11.5	18	40	48	10
New	□6.5x ø7	12.5	18	40	49	10
New	□7 x ø9	15	18	40	48	10
New	□9 xø11	17	18	40	48	10
New	□9 xø12	18	18	40	48	10

For DIN352, DIN351, DIN2181, DIN5157 tap

New 3264 10 Pieces Set $\Delta=1.050\text{g}$						
METAL CASE:W240xH100xT32mm			Accessories			
Sockets				160K		
3131E □2.1x ø2.8, □2.7x ø3.5, □3.4x ø4.5, □4.9x ø6, □6.5x ø7, □7x ø9, □9x ø11, □9x ø12,				3760-125		

3131A		S(mm)	L (mm)	g (g)	(pcs.)
		Min.			
1	3/8"	2.0	5.0	42	80
2	3/8"	4.5	8.0	47	100



Tap is not included.

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

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

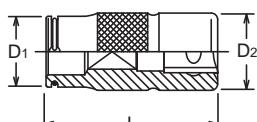


Die is not included.



3131E

Tap Holder
Adaptadores para machos de terrajas



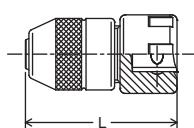
3264

Tap Holder, Set
Juego de adaptadores para machos de terrajas



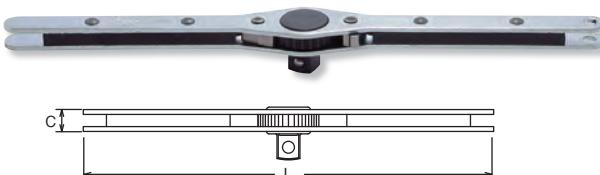
3131A

Tap Holder, Adjustable
Adaptadores para machos de terrajas



160K

Handle
Llave

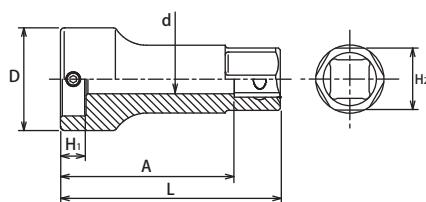


3132

Die Holders
Adaptadores

4132

Die Holders
Adaptadores



Ratcheting Ring Wrench

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

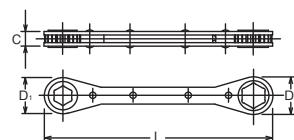
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

102NM • 102NA



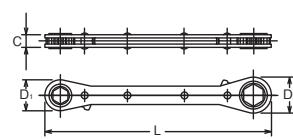
Without Reverse Lever
Sin palanca de inversión



102KM • 102KA



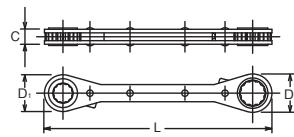
Reversible
Reversible



102KM.BH



With Twin Openings (Two-in-One)
Con Bocas Gemelas (Dos en Uno)



102KT



Reversible TORX®
Reversible TORX®



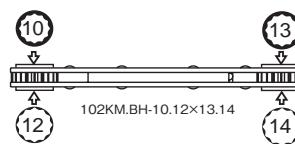
102NM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	⚖️ (g)	📦 (pcs.)
6x7	108	15.3	16.4	7.5	60	10
7x8	108	15.3	16.4	7.5	60	10
8x9	134	17.1	19.7	7.5	80	10
8x10	134	17.1	19.7	7.5	80	10
10x11	140	20.1	22.7	7.5	87	10
10x12	140	20.1	22.7	7.5	87	10
11x13	145	23.6	24.6	9	112	10
12x13	145	23.6	24.6	9	112	10
12x14	145	23.6	24.6	9	112	10

102NA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	⚖️ (g)	📦 (pcs.)
7/32x 1/4	108	15.3	16.4	7.5	60	10
1/4 x 9/32	108	15.3	16.4	7.5	60	10
1/4 x 5/16	108	15.3	16.4	7.5	60	10
5/16x11/32	134	17.1	19.7	7.5	80	10
5/16x 3/8	134	17.1	19.7	7.5	80	10
3/8 x 7/16	140	20.1	22.7	7.5	87	10
7/16x 1/2	145	23.6	24.6	9	112	10
1/2 x 9/16	145	23.6	24.6	9	112	5

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

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

102KM.BH (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	⚖️ (g)	📦 (pcs.)
5.5• 6x 7• 8	108	15.3	16.4	10	60	10
8 •10x12•13	141	21	23.5	13	87	10
9 •10x11•12	141	21	23.5	13	87	10
10 •12x13•14	146	24	25	13	98	10
13 •14x15•17	200	27.1	31.8	16	200	5



102KT (E)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	⚖️ (g)	📦 (pcs.)
E 4xE 6	108	15.3	16.4	7.5	51	10
E 6xE 8	108	15.3	16.4	7.5	51	10
E10x E12	134	17	20	9	76	10

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

103KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	⚖ (g)	📦 (pcs.)
6x 7	108	15.3	16.4	7.5	51	5
7x 8	108	15.3	16.4	7.5	51	5
8x 9	134	17	20	9	76	5
8x10	134	17	20	9	76	5
10x11	140	21	23.5	9	84	5
10x12	140	21	23.5	9	84	5
12x13	145	24	25	9	89	5
12x14	145	24	25	9	89	5

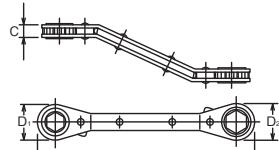
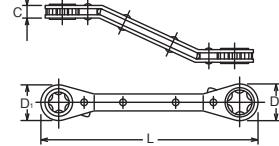
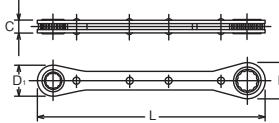
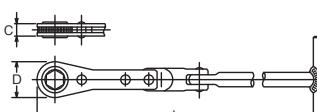
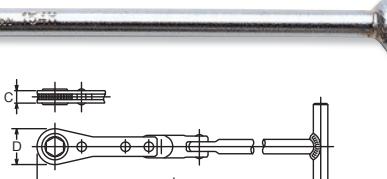
103KA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	⚖ (g)	📦 (pcs.)
7/32x 1/4	108	15.3	16.4	7.5	51	5
1/4 x 5/16	108	15.3	16.4	7.5	51	5
5/16x11/32	134	17	20	9	76	5
5/16x 3/8	134	17	20	9	76	5
3/8 x 7/16	140	21	23.5	9	84	5
7/16x 1/2	145	24	25	9	89	5
1/2 x 9/16	145	24	25	9	89	5

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

103KT (E)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	⚖ (g)	📦 (pcs.)
E 4xE 6	104	15.3	16.4	7.5	51	5
E 6xE 8	104	15.3	16.4	7.5	51	5
E10xE12	128	17	20	9	76	5
E14xE16	139	24	25	9	89	5

R810 (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	⚖ (g)	📦 (pcs.)
1/4x5/16	108	15.3	16.4	7.5	60	10
3/8x7/16	140	20.1	22.7	7.5	87	10
1/2x9/16	145	23.6	24.6	9	112	10

103KM • 103KA
 Reversible
Reversible

103KA.BH
 Reversible(12P)
Reversible(12P)

103KT
 Reversible TORX®
Reversible TORX®

R810
 Reversible
Reversible

154M
 Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción

154ML
 Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción


Ratcheting Ring Wrench

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
DESTORNILLADORES

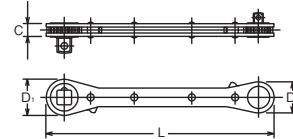
INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

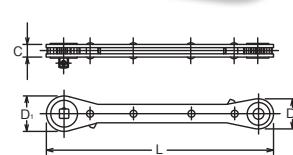
137 For 1/4" and 3/8" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4" y 3/8"



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

1/4" X 3/8"

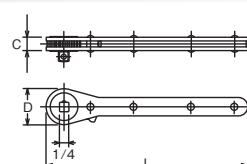
138 For Bits 101
Para Puntas 101



	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
138	141	23.5	21	9	97	10

1/4" X 1/4"

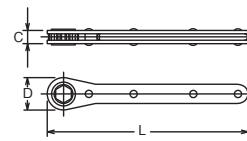
139 For 1/4" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4"



	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
139	125	20.1	7.5	80	10

1/4"

145KM-10H Reversible, 10mm 6-point
Reversible, 10mm Hexagonal

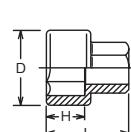


	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
145KM-10H	125	20.1	7.5	72	10



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

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



150.10H (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	12	3.5	11	6	10
6	12	4.5	12.5	7	10
7	12	5	14	7	10
8	12	6	15.5	7	10
9	13	6	16	7	10
10	14.3	7	17	9	10
12	17.4	9	19.5	14	10

1203 Sockets with 10mm 6-point Drive End in Set with Ratchet
Juego de Vasos con Conductor Hex con Llave de Carraca



1203	7 Pieces Set/ =250g
METAL CASE:W130xH65xT20mm	
Sockets	Accessory

150.10H
5, 6, 7, 8, 9, 10

145KM-10H

R810A	5 Pieces Set/ $\Delta\Delta=208g$
METAL CASE:W130xH65xT20mm	
Bits	Accessory
101P Phillips Bits 1, 2, 3	102NA-1/4x5/16
101S Slotted Bit 1x7	

R810A Bit Set
Juego de Puntas



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

R810B Bit Set
Juego de Puntas



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

R810C Bit and Socket Set
Juego de Puntas y Vasos



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

R810D Bit and Socket Set
Juego de Puntas y Vasos



R810E	9 Pieces Set/ $\Delta\Delta=445g$
METAL CASE:W130xH65xT20mm	
Sockets	Accessories

2300M Deep Sockets 6, 7, 8, 9, 10, 11, 12	102NA-1/4x5/16
	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
DESTORNILLADORES

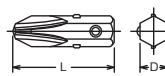
INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

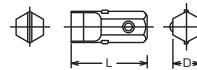
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

101P  Phillips Bits
Puntas Phillips



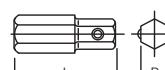
101P (PH)	D (mm)	L (mm)	 (g)	 (pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10

101S  Bits for Slotted Head
Puntas Rectas/Planas



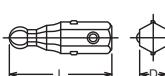
101S	D (mm)	L (mm)	 (g)	 (pcs.)
1.0x7	6.35	15	3	10
1.2x7	6.35	15	3	10

101H  Hex Bits
Puntas Hexagonales



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

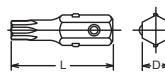
101B  Ball point Hex Bits
Puntas Hexagonales con bola 



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

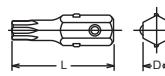
 Ball point bits have less strength due to the special design.
Make sure to use them correctly.

101T (T)  TORX® Bits
Puntas TORX®



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

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



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

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

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

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

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

1202	15 Pieces Set/ =420g
METAL CASE:W190xH60xT30mm	
Bits	Accessory
101P Phillips Bits 1, 2, 3	138
101S Slotted Bit 1x7	
101B Ballpoint Hex Bits 3, 4, 5, 6	
101T Torx® Bits T10, T15, T20, T25, T27, T30	

2254M	12 Pieces Set/ =450g
METAL CASE:W160xH100xT28mm	
Bits	Accessories
101P Phillips Bits 1, 2, 3	102NA-1/4x5/16
101S Slotted Bits 1x7, 1.2x7	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



ATTACK DRIVER®

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
SLEEVE-DRIVEINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3112N

Attack Driver
Destornillador de Impacto



ATTACK DRIVER®

		L (mm)	(g)	(pce.)
3112N		159	730	1
3112G		159	810	1

* Renewal Kits → 3112RK ➔ P306

3112G

Attack Driver
Destornillador de Impacto



		L (mm)	(g)	(pce.)
4112N		163	730	1
4112G		163	810	1

* Renewal Kits → 4112RK ➔ P306

4112N

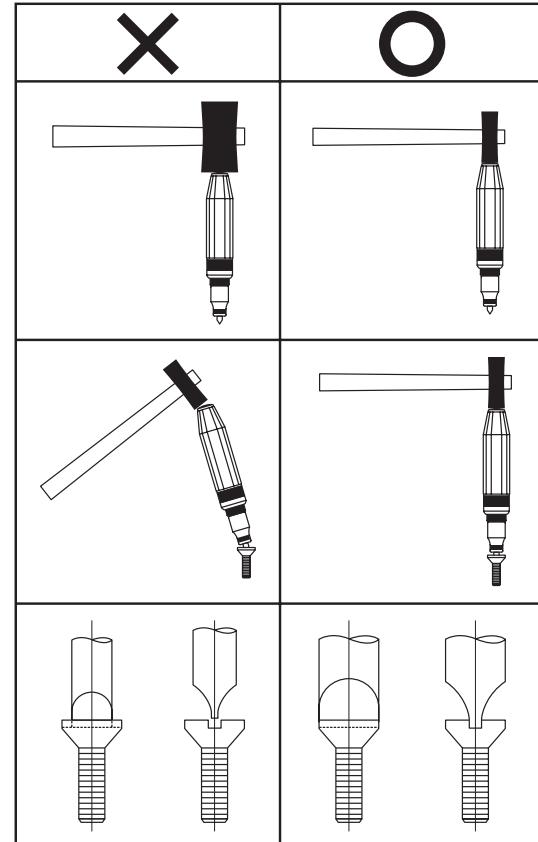
Attack Driver
Destornillador de Impacto



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

4112G

Attack Driver
Destornillador de Impacto



6112

Attack Driver
Destornillador de Impacto



AN318A	6 Pieces Set/ $\Delta\wedge$ =1,070g
METAL CASE:W190xH59xT45mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	3112N
100S.32 Slotted Bits 9, 11	3138

AN112A	6 Pieces Set/ $\Delta\wedge$ =1,070g
METAL CASE:W190xH59xT45mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	4112N
100S.32 Slotted Bits 9, 11	4138

100P, S Bits → P166

AG318A	6 Pieces Set/ $\Delta\wedge$ =1,150g
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	3112G
100S.32 Slotted Bits 9, 11	3138

AG112A	6 Pieces Set/ $\Delta\wedge$ =1,150g
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	4112G
100S.32 Slotted Bits 9, 11	4138

100P, S Bits → P166

AN112C	8 Pieces Set/ $\Delta\wedge$ =1,350g
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.80 Phillips Bits 1, 2, 3	4112N
100S.80 Slotted Bits 7, 9, 12	4138

100P, S Bits → P166

AG112F	25 Pieces Set/ $\Delta\wedge$ =1,530g
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3	4112G
100P.32 PZ Bits PZ2, PZ3	4138
100S.32 Slotted Bits 9, 11	
100H.32 Hex Bits 4, 5, 6, 7, 8, 10	
100T.32 TORX® Bits T25, T27, T30, T40, T45, T50	
100X.32 XZN Bits M5, M6, M8, M10, M12	

100P, S, H, T, X Bit → P166

AG112H	18 Pieces Set/ $\Delta\wedge$ =1,480g
METAL CASE:W220xH82xT60mm	
Bits	Accessories
100P.32 Phillips Bits 2, 3, 4	4112G
100S.32 Slotted Bits 8, 9, 10, 12, 14	4138
100H.32 Hex Bits 5, 6, 8, 10	
100T.32 TORX® Bits T30, T40, T45, T50	

100P, S, H, T Bits → P166

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

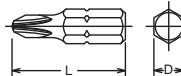
Attack Driver Set
Juego de Destornilladores de Impacto

AG112H

Attack Driver Set
Juego de Destornilladores de Impacto

108P-25 · -32 · -50

⊕ Phillips Bits
Puntas Phillips



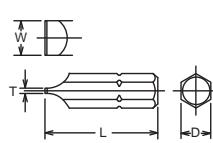
108P.25 (PH)	D (mm)	L (mm)	⚖ (g)	bag (pcs.)
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10

108P.32 (PH)	D (mm)	L (mm)	⚖ (g)	bag (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)	bag (pcs.)
1	6.35	50	10	10
2	6.35	50	11	10
3	6.35	50	11	10

108S-25 · -39

⊖ Bits for Slotted head
Puntas Rectas/Planas

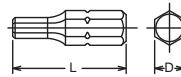


108S.25	TxW (mm)	D (mm)	L (mm)	⚖ (g)	bag (pcs.)
3	0.5x3	6.35	25	3	10
4	0.6x4	6.35	25	3	10
4.5	0.6x4.5	6.35	25	4	10
5	0.8x5	6.35	25	5	10
5.5	0.8x5.5	6.35	25	5	10
6	1.0x6	6.35	25	5	10
8	1.2x8	6.35	25	6	10

108S.39	TxW (mm)	D (mm)	L (mm)	⚖ (g)	bag (pcs.)
3	0.5x3	6.35	39	6	10
4	0.6x4	6.35	39	6	10
4.5	0.6x4.5	6.35	39	6	10
5	0.8x5	6.35	39	7	10
5.5	0.8x5.5	6.35	39	8	10
6	1.0x6	6.35	39	9	10
8	1.2x8	6.35	39	12	10

108H-25

⊕ Hex Bits
Puntas Hexagonales

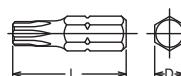


108H.25 (mm)	D (mm)	L (mm)	⚖ (g)	bag (pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10

108H.25 (inch)	D (mm)	L (mm)	⚖ (g)	bag (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)

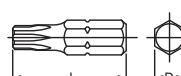
⊗ TORX® Bits
Puntas TORX®



108T.25 (T)	D (mm)	L (mm)	⚖ (g)	bag (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

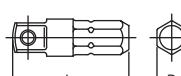
108T-25 (TH)

⊗ Tamper-Resistant TORX® Bits
Punta TORX®, indeformable



108A

⊗ Adaptor
Adaptador



108T.25 (TH)	D (mm)	L (mm)	⚖ (g)	bag (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	D (mm)	L (mm)	⚖ (g)	bag (pcs.)
1/4B	6.35	25	10	10

1/4"

DIN3126 C6.3
ISO1173 C6.3

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2137 ○ Bit Holder
Porta-punta



3137 ○ Bit Holder
Porta-punta



4137 ○ Bit Holder
Porta-punta



12139 ○ Impact Bit Holder
Porta-punta de Impacto



13139 ○ Impact Bit Holder
Porta-punta de Impacto



14139 ○ Impact Bit Holder
Porta-punta de Impacto



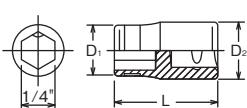
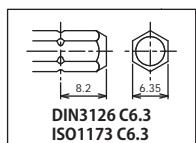
13142-D6.3 ○ Impact Bit Holder for 1/4" (6.3) Bits
Porta-punta de Impacto para Puntas 1/4" (6.3)



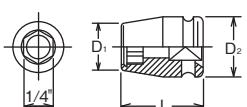
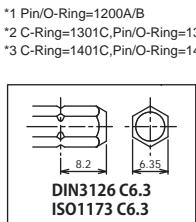
14142-D6.3 ○



	□	D ₁ (mm)	D ₂ (mm)	L (mm)	g (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



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



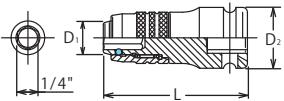
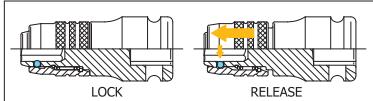
	□	D ₁ (mm)	D ₂ (mm)	L (mm)	g (g)	pcs.
13142-D6.3	3/8"	16	19	45	60	10
14142-D6.3	1/2"	16	25	55	97	10

*1 Pin/O-Ring=1200A/B

*2 C-Ring=1301C,Pin/O-Ring=1301A/B → P254-255

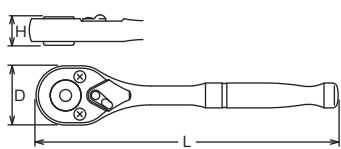
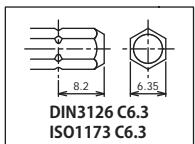
*3 C-Ring=1401C,Pin/O-Ring=1401A/B

Lock & Quick Release



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

	D (mm)	H (mm)	L (mm)	g (g)	pcs.
2749P-1/4HF	25	12	125	96	10
2774P-1/4HF	25	12	165	133	2



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

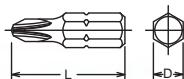


2774P-1/4HF ○ Flexible Ratchet, Reversible, for Bits 1/4"
Llave de Carraca Reversible, para Puntas 1/4"



100P-32 • -80 • -125

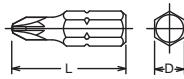
⊕ Phillips Bits
Puntas Phillips



100P.32 (PH)	D (mm)	L (mm)	 (g)	 (pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

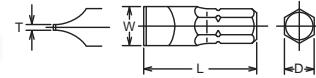
100P-32 (PZ)

⊕ PZ Bits
Puntas PZ



100S-32 • -80

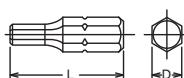
⊖ Bits for Slotted Head
Puntas Rectas/Planas



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

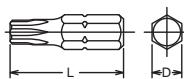
100H-32

⊕ Hex Bits
Puntas Hexagonales



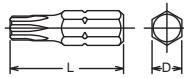
100T-32 (T)

⊕ TORX® Bits
Puntas TORX®



100T-32 (TH)

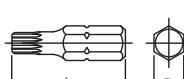
⊕ Tamper-Resistant TORX® Bits
Punta TORX®, indeformable



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

100X-32 (XZN)

⊕ XZN Bits
Puntas XZN



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)	D (mm)	L (mm)	 (g)	 (pcs.)
PZ2	8	32	10	10
PZ3	8	32	11	10

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

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)	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

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

•5/16"

DIN3126 C8
ISO1173 C8

2138 ○ Bit Holder
Porta-punta



3138 ○ Bit Holder
Porta-punta



4138 ○ Bit Holder
Porta-punta



12140 ○ Impact Bit Holder
Porta-punta de Impacto



13140 ○ Impact Bit Holder
Porta-punta de Impacto



14140 ○ Impact Bit Holder
Porta-punta de Impacto



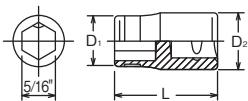
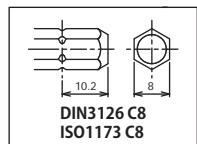
2749P-5/16HF ○ Reversible Ratchet, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"



2774P-5/16HF ○ Flexible Ratchet, reversible, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"



	□	D ₁ (mm)	D ₂ (mm)	L (mm)	秤 (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

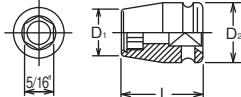
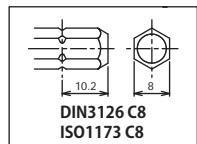


	□	D ₁ (mm)	D ₂ (mm)	L (mm)	秤 (g)	◇ (pcs.)	◎ (pcs.)
12140-5/16	[1/4"]	14	13	25	15	10	*1
13140-5/16	[3/8"]	14	19	30	32	10	*2
14140-5/16	[1/2"]	14	25	35	62	10	*3

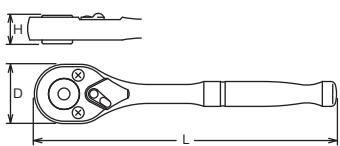
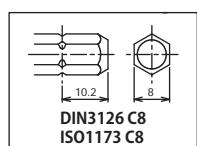
*1 Pin/O-Ring=1200A/B

*2 C-Ring=1301C,Pin/O-Ring=1301A/B

*3 C-Ring=1401C,Pin/O-Ring=1401A/B → P254-255



	D (mm)	H (mm)	L (mm)	秤 (g)	◇ (pcs.)
2749P-5/16HF	25	14	125	96	10
2774P-5/16HF	25	14	165	133	2



Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

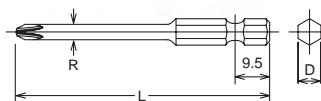
AUTOMOTIVE
PROTECTORES

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

121P-50 · -70 · -100 · -150

⊕ Phillips Bits
Puntas Phillips



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

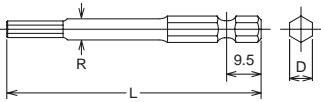
121P.70 (PH)	D (mm)	R (mm)	L (mm)	⚖ (g)	胸怀 (pcs.)
1	6.35	4.5	70	15	10
2	6.35	5.5	70	15	10
3	6.35	—	70	16	10

121P.100 (PH)	D (mm)	R (mm)	L (mm)	⚖ (g)	胸怀 (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)	胸怀 (pcs.)
1	6.35	4.5	150	30	10
2	6.35	5.5	150	35	10
3	6.35	—	150	36	10

121H-50 · -70 · -100 · -150

◆ Hex Bits
Puntas Hexagonales



121H.50 (mm)	D (mm)	R (mm)	L (mm)	⚖ (g)	胸怀 (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

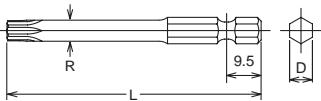
121H.70 (mm)	D (mm)	R (mm)	L (mm)	⚖ (g)	胸怀 (pcs.)
2	6.35	3	70	13	10
2.5	6.35	3	70	15	10
3	6.35	3.5	70	15	10
4	6.35	4.5	70	15	10
5	6.35	5.6	70	16	10
6	6.35	—	70	18	10

121H.100 (mm)	D (mm)	R (mm)	L (mm)	⚖ (g)	胸怀 (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)	胸怀 (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-50 · -70 · -100 · -150 (T) TORX® Bits

◆ TORX® Bits
Puntas TORX®



121T.50 (T)	D (mm)	R (mm)	L (mm)	⚖ (g)	胸怀 (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

121T.70 (T)	D (mm)	R (mm)	L (mm)	⚖ (g)	胸怀 (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)	胸怀 (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)	胸怀 (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

1/4"

DIN3126 E6.3
ISO1173 E6.3

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 (mm)	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	◎
12137E	1/4"	12	13	36	22	10	*1
13137H	3/8"	13	19	42	77	10	*2
13137E	12	19	40	40	10	10	*2
14137E	1/2"	12	25	48	70	10	*3

*1 Pin/O-Ring=1200A/B

*2 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

*3 C-Ring=1401C, Pin/O-Ring=1401A/B

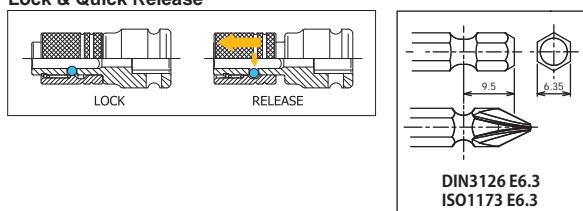
	D (mm)	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	◎
12142-F6.3	1/4"	16.5	13	36	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3

*1 Pin/O-Ring=1200A/B

*2 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

*3 C-Ring=1401C, Pin/O-Ring=1401A/B

Lock & Quick Release

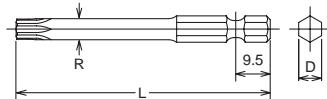


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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TORX® es una marca registrada de Acument Intellectual Properties, LLC.
TORXplus® is a registered trademark of Acument Intellectual Properties, LLC.
TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

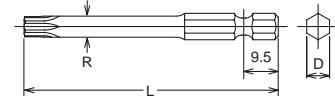
121T-70 · -100 (TH)

Tamper-Resistant TORX® Bits
Punta TORX®, indeformable



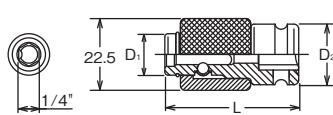
121T-50 · -70 (IP)

TORXplus® Bits
Putas TORXPLUS®



13137H

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

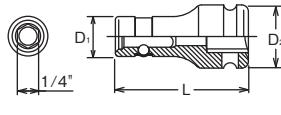


12137E

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

13137E

14137E

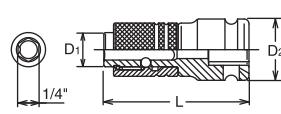


12142-F6.3

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

13142-F6.3

14142-F6.3

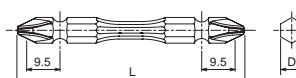


Bit & Slide Socket **1/4"**

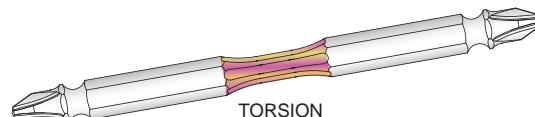
123PT-75 · -100



Double Ended Torsion Bits
Puntas Phillips, simétricas, Torsion



123PT (PH)	D (mm)	L (mm)	⚖️ (g)	กระเป๋า (pcs.)
2	6.35	75	18	10
2	6.35	100	24	10



TORSION

123PN-75 · -100



Double Ended Bits
Puntas Phillips, simétricas

123PG-75 · -100



Magnetic type



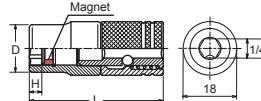
123PN.75 123PG.75 (PH)	D (mm)	L (mm)	⚖️ (g)	กระเป๋า (pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10

123PN.100 123PG.100 (PH)	D (mm)	L (mm)	⚖️ (g)	กระเป๋า (pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10

165LM



Slide Socket with Magnet



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

Slide the socket by pulling holder, and pull back the socket to lock on the bit groove.
Ring magnet holds a bolt or nut for easy work.

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

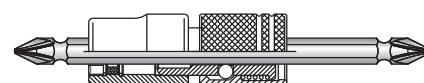
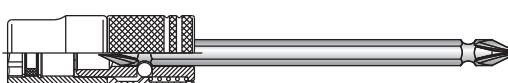
The magnet could be broken with any impacts. Please handle with care.



Nut Setter



Phillips Bit



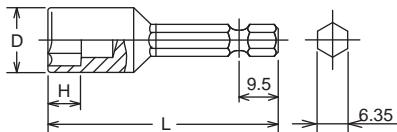
1/4"

DIN3126 E6.3
ISO1173 E6.3

113-50



Nut Setters
Vasos para apretar tuercas Hexagonales



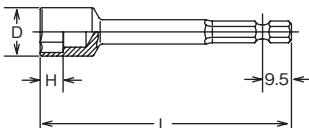
113.50 (mm)	D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	31	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10

113.50 (inch)	D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14.2	7	50	31	10
1/2	18	8	50	42	10

113-75 · -100 · -150 · -200 · -250



Nut Setters
Vasos para apretar tuercas Hexagonales



113.75 (mm)	D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
7	11.5	5	75	31	10
8	12.7	6	75	32	10
10	14.5	7	75	35	10
12	17	8	75	42	10
13	18	8	75	41	10
14	19	9	75	43	10

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

113.150 (mm)	D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
7	11.5	5	150	59	10
8	12.7	6	150	60	10
10	14.5	7	150	64	10
12	17	8	150	70	10
13	18	8	150	76	10
14	19	9	150	78	10

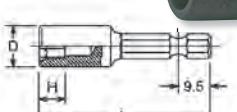
113.200 (mm)	D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10

113.250 (mm)	D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
7	11.5	5	250	99	10
8	12.7	6	250	100	10
10	14.5	7	250	105	10
12	17	8	250	113	10
13	18	8	250	114	10
14	19	9	250	119	10

113-50 (E)



Nut Setters, TORX®
Vasos para apretar tuercas, TORX®



113.50 (E)	D (mm)	H (mm)	L (mm)	g (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



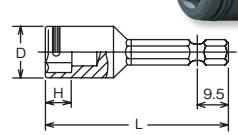
113.50 (mm)	D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
7(2B)	11	5	50	20	10
8(2B)	12	6	50	21	10
10(2B)	14.2	7	50	26	10
13(2B)	18	8	50	31	10

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

113-50 (2B)



Nut Setters Nut Grip®
Vasos para apretar tuercas con 2 bolas



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Koken TOOL CO., LTD.

115-50  Nut Setters with Magnet
Vasos para tuercas con Imán

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

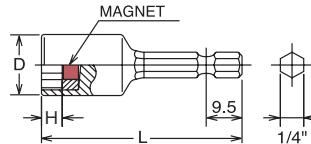
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCTION
CONSTRUCCIÓN

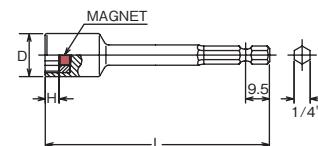


115.50 (mm)	D (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

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

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



1/4"

DIN3126 E6.3
ISO1173 E6.3

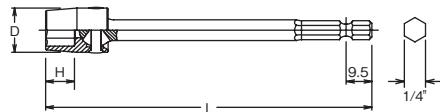
113UN-100 · -150 · -200



6-point Universal Joint Nut Setters

Vasos para apretar tuercas Hexagonales con Articulación Universal

113UN.100 (mm)	D (mm)	H (mm)	L (mm)	g (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



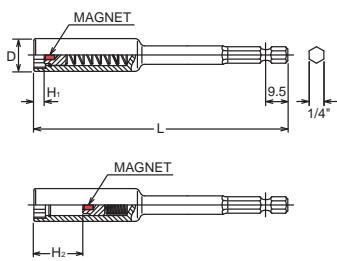
113UN.150 (mm)	D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10

113UN.200 (mm)	D (mm)	H (mm)	L (mm)	g (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



Nut Setters with sliding Magnet
Vasos para tuercas con Imán Corredizo



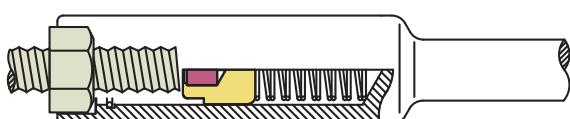
115G.75 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

115G.100 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
7	11.5	3.5	26	100	51	10
8	12.7	4	26	100	51	10
10	14.5	4.5	26	100	57	10
12	17	6	26	100	77	10
13	18	6.5	25	100	80	10
14	19	7	24	100	82	10

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

115G.200 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
7	11.5	3.5	26	200	86	10
8	12.7	4	26	200	89	10
10	14.5	4.5	26	200	96	10
12	17	6	26	200	119	10
13	18	6.5	25	200	125	10
14	19	7	24	200	128	10

115G.250 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (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



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.

Z-SERIES
MANUALES

TITANIUM
ACCESORIES

SCREWDRIVERS
DESTORNILLADORES

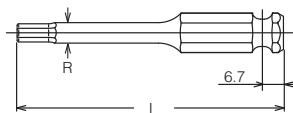
INDUSTRIAL
PROTECTORES

CONSTRUCTION
JUEGOS DE PIEZAS REPUESTO

173

183H-35 · -75 · -150

Hex Bits
Puntas Hexagonales



183H.35 (inch)	L (mm)	R (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



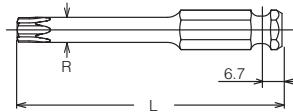
183H.35 (mm)	L (mm)	R (g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

183H.75 (mm)	L (mm)	R (mm)	R (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)	R (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

183T-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®



183T.35 (T)	L (mm)	R (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

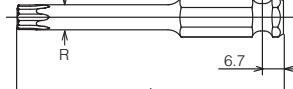


183T.75 (T)	L (mm)	R (mm)	R (g)	(pcs.)
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T.150 (T)	L (mm)	R (mm)	R (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

183T-35 · -75 (IP)

TORX®plus Bits
Puntas TORXPLUS®



183T.35 (IP)	L (mm)	R (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)	R (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

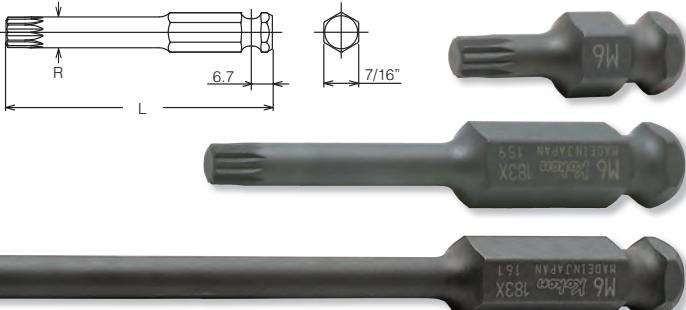
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TORX® es una marca registrada de Acument Intellectual Properties, LLC.
TORXplus® is a registered trademark of Acument Intellectual Properties, LLC.
TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

7/16" DIN3126 E11.2
ISO1173 E11.2

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-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN

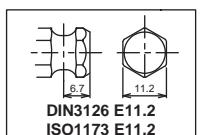


183X.75 (XZN)	L (mm)	R (mm)	⚖ (g)	✖ (pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X.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

	□	D (mm)	L (mm)	⚖ (g)	✖ (pcs.)	◎
13134	[3/8"]	22	32	70	10	*1
14134	[1/2"]	25	38	90	10	*2
16134	[3/4"]	44	52	200	2	*3

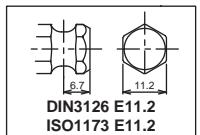
*1 C-Ring=1302C,Pin/O-Ring=1302A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B
*3 C-Ring=1600C,Pin/O-Ring=1601A/B



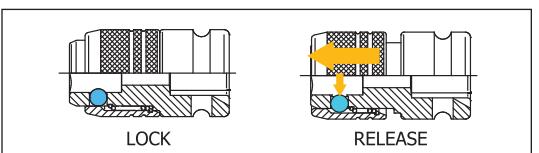
For
DIN3126 / ISO1173 E11.2 Bits

	□	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=1302C,Pin/O-Ring=1302A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B

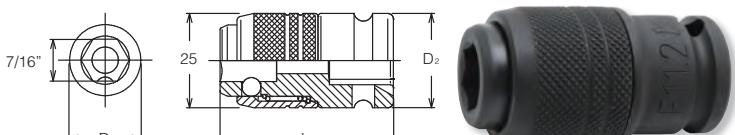


For
DIN3126 / ISO1173 E11.2 Bits



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

13142-F11.2 Impact Bit Holder (Quick Release)
14142-F11.2 Impact Bit Holder (Quick Release) (Extracción Rápida) **⚠**



Z-SERIES
MANUALES

TITANIUM
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
SLEEVE-DRIVE

INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE
CONSTRUCCION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Adaptor

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO

ACCEESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

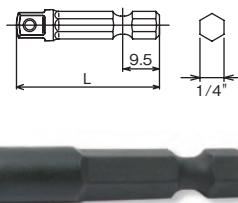
AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



Adaptors
Adaptadores



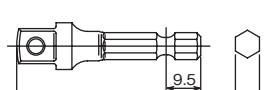
110	□	TYPE	L (mm)	g (g)	(pcs.)
35B		Ball	35	9	10
35P		Pin	35	9	10
50B		Ball	50	15	10
50P		Pin	50	15	10
100B	1/4"	Ball	100	34	10
100P	1/4"	Pin	100	34	10
150B		Ball	150	54	10
150P		Pin	150	54	10

◆ DIN 3126 / ISO 1173 Form E 6.3

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

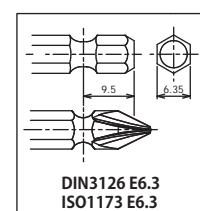
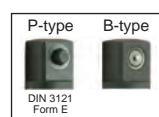


Adaptors
Adaptadores



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

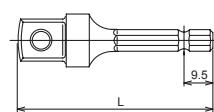
◆ DIN 3126 / ISO 1173 Form E 6.3



DIN3126 E6.3
ISO1173 E6.3

135E-60B · -60P

Adaptors
Adaptadores



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

◆ DIN 3126 / ISO 1173 Form E 6.3

117-50B · -100B -50P · -100P

Adaptors
Adaptadores



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

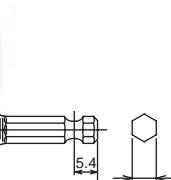
◆ DIN 3126 / ISO 1173 Form G7

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

◆ DIN 3126 / ISO 1173 Form E8

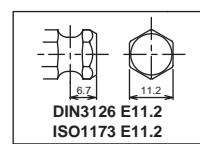
186-75P

Adaptors with Pin
Adaptadores con Perno



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

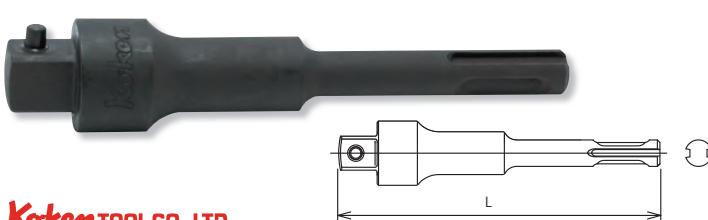
◆ DIN 3126 / ISO 1173 Form E11.2



DIN3126 E11.2
ISO1173 E11.2

BD022-120P

Hammer Drill Adaptor
Adaptador para Taladro de Percusión



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

Screwdrivers

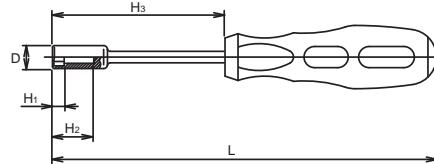


Screwdrivers

167M • 167A



Socket Drivers
Destornilladores de Vaso



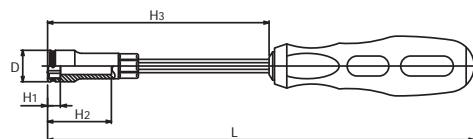
167M (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
3	5.8	3	25	125	225	62	6
3.5	5.8	3	25	125	225	62	6
4	6.7	3.5	25	125	225	64	6
4.5	7.2	4.5	25	125	225	65	6
5	7.8	5	25	125	225	66	6
5.5	8.4	5.5	25	125	225	68	6
6	9.1	6	25	125	225	70	6
7	10.9	6.5	25	125	235	101	6
8	12	7	25	125	235	103	6
9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

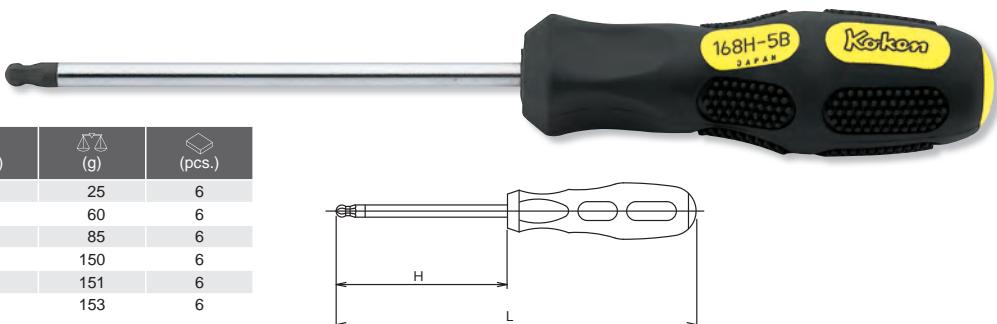
167C/3-2B PLASTIC BAG 4 Pieces Set/⚖️=280g

Socket Drivers

Socket: Grip:	7, 8, 10 167C-GRIP
------------------	-----------------------

168H-B

Ball point Hex Screwdrivers

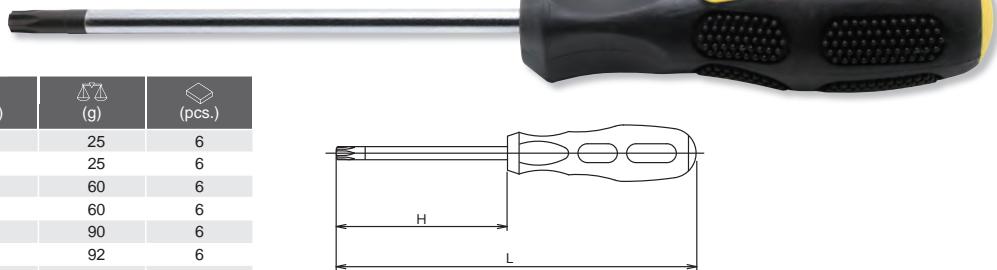


168H (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3B	80	150	25	6
4B	125	225	60	6
5B	125	235	85	6
6B	125	245	150	6
7B	125	245	151	6
8B	125	245	153	6

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

**168T/7 (TH)**

Set Juego

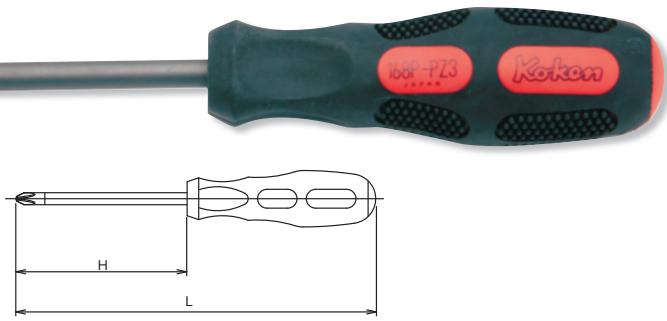


168P (PZ)	H (mm)	L (mm)	 (g)	 (pcs.)
PZ1	75	175	78	6
PZ2	100	210	129	6
PZ3	150	270	203	6

PZ3

168P (PZ)

PZ Screwdrivers



Screwdrivers

166P



Screwdrivers (Blade-Through type)
Destornilladores

166S



Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

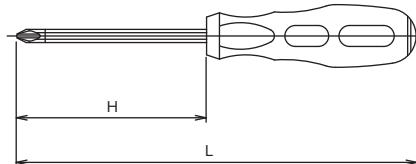
SLEEVE-DRIVE
SISTEMA DE AGARRADERAS

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCTION
CONSTRUCCIÓN



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/ Δ =885g
CARDBOARD BOX:W280xH115xT40mm	
Screwdrivers	
166P Screwdrivers 1, 2, 3	
166S Screwdrivers 5, 6, 8	

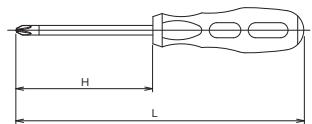
PK166PS/6



Set
Juego



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

168P Screwdrivers
168S


168P (PH)	H (mm)	L (mm)	(g)	(pcs.)
1	75	175	59	6
2	100	210	86	6
2(150)	150	260	100	6
2(200)	200	310	111	6
2(300)	300	410	133	6
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	6
8	150	270	150	6

168PS/6 6 Pieces Set =660g
CARDBOARD BOX:W280xH115xT40mm

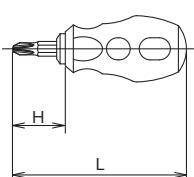
Screwdrivers

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

PK168PS/6 6 Pieces Set =720g
PLASTIC TRAY

Screwdrivers

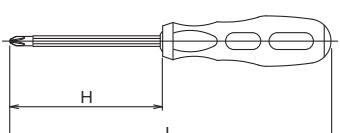
- 168P Screwdrivers
1, 2, 3
- 168S Screwdrivers
5, 6, 8



168CS	H (mm)	L (mm)	(g)	(pcs.)
2x6	22	86	46	6

168PS/6 Set
Juego

PK168PS/6 Set
Juego

168CS Interchangeable Screwdrivers, Stubby


168C	H (mm)	L (mm)	(g)	(pcs.)
2x6	100	210	108	6
2x6(150)	150	260	120	6
2x6(200)	200	310	133	6


168C Interchangeable Screwdrivers

Screwdrivers

Z-SERIES

HAND
MANUALES

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DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
VACÍAS

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

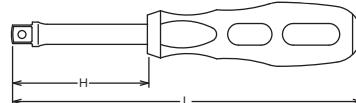
2769N-150 · -220

Spin Type Handle
Mango Tipo Destornillador



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

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



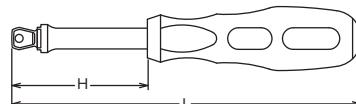
2769NWF-150 · -220

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



WOBBLE-FIX
EXTENSION BAR

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

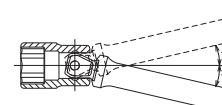
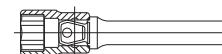


Wobble-Fix Extension Bar

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

Alargadera Articulada-Fija

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

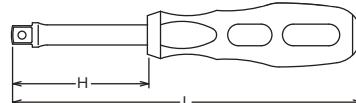


3769N-160 · -230

Spin Type Handle
Mango Tipo Destornillador



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



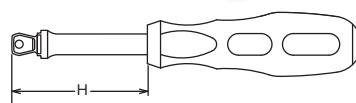
3769NWF-160 · -230

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



WOBBLE-FIX
EXTENSION BAR

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



1/4"

3/8"

1/2"

5/8"

3/4"

1"

1-1/2"

2-1/2"

3-1/2"

Impact Sockets



Impact Sockets

Z-SERIES
HAND
MANUALES

ACCESORIES
ACCESORIOS

IMPACT
DE IMPACTO

SLEEVE-DRIVE
DESTORNILLADORES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCTION
CONSTRUCCIÓN

Impact Sockets		Square Drive																
		1/4"(6.35mm)SQ.		3/8"(9.5mm)SQ.		1/2"(12.7mm)SQ.		5/8"(15.9mm)SQ.		3/4"(19mm)SQ.								
	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page								
Standard Sockets		12400M 12400A	mm inch	186 186	13400M 13400A	mm inch	189 189	14400M 14400A	mm inch	202 202	15400M 15400A	mm inch	218 218	16400M 16400A	mm inch	220 220		
					13401M 13401A	mm inch	190 190	14401M 14401A	mm inch	203 203				16401M 16401A	mm inch	221 221		
		12400MG 12400AG	mm inch	186 186	13400MG 13400AG	mm inch	189 189	14400MG	mm	204								
					13405M 13405A	mm inch	189 189	14405M 14405A	mm inch	202 202				16405M 16405A	mm inch	220 220		
					13406M 13406A	mm inch	190 190	14406M 14406A	mm inch	203 203								
		12410M	mm	186	13410M	mm	191	14410M	mm	204	15410M	mm	218	16410M	mm	221		
		12465M	mm	187	13465M	mm	191	14465M	mm	205								
		12425	TORX®	187	13425	TORX®	191	14425	TORX®	205				16425	TORX®	222		
					13425-EPL	TORXplus®	191	14425-EPL	TORXplus®	205				16425-EPL	TORXplus®	222		
					13401LH	LH-STIX®	192	14401LH	LH-STIX®	206								
		12460M 12460A	mm inch	187 187	13460M 13460A	mm inch	192 192											
Short Sockets		12460MG 12460AG	mm inch	187 187	13460MG 13460AG	mm inch	192 192											
								14415M	mm	205								
Semi Deep Sockets					13400-WN		192	14400-WN		206								
		13401MS	mm	190	14401MS	mm	204											
Deep Sockets		13301X	mm	193	14301X	mm	206							16301X	mm	222		
		13300XG	mm	193														
Extension Sockets		12300M	mm	188	13300M 13300A	mm inch	193 193	14300M 14300A	mm inch	207 207	15300M	mm	219	16300M 16300A	mm inch	223 223		
					13301M 13301A	mm inch	194 194	14301M 14301A	mm inch	207 207				16301M 16301A	mm inch	223 223		
		12300G	mm	188	13300G	mm	195	14300G	mm	209								
					13305M	mm	194	14305M	mm	208				16305M	mm	224		
		13306M	mm	194	14306M	mm	208											
		13310M	mm	194	14310M	mm	208	15310M	mm	219	16310M	mm	224					
		12365M	mm	188	13365M	mm	195	14365M	mm	209								
					13325	TORX®	195	14325	TORX®	209				16325	TORX®	224		
Universal Sockets		13145M	mm	199	14145M	mm	214											
		13145MG	mm	199														
		13145M(12P)	mm	199														
Universal Sockets		13440M 13440A	mm inch	195 195	14440M 14440A	mm inch	209 209											
		13146M	mm	200	14146M	mm	214											
		13440T	TORX®	195														
Bit Sockets		13012M	mm	196	14012M	mm	210											
		13025	TORX®	196	14025	TORX®	210											
Bit Sockets (Bit changeable)		13134M	mm	198	14134M	mm	212								16106-16	mm	225	
		13134T(T)	TORX®	198	14134T(T)	TORX®	212								16107-22	mm	227	
		13134T(IP)	TORXplus®	198	14134T(IP)	TORXplus®	212								16106-16(T)	TORX®	225	
Universal Bit Sockets		13134X(XZN)	XZN	198	14134X(XZN)	XZN	212								16106-16(XZN)	XZN	225	
		13430M	mm	195														
Universal Bit Sockets		13147M	mm	200	14147M	mm	214											
Extension Bars		12760	188	13760		200	14760		215					16760		227		
Universal Joints		12770	188	13770 13771 13772		201	14770 14771 14772		215	15770		219	16770 16771		228 228			
Adaptors		12233A	188	13322A 13344A		201	14433A 14455A 14466A		216	15544A 15566A		219	16644A 16655A 16688A		228 228 228			
Locking Adaptors		12222AL	188	13333AL		201	14444AL		215	15555AL		219	16666AL		228			

Impact Sockets		Square Drive							
		1"(25.4mm)SQ.		1.1/2"(38.1mm)SQ.		2.1/2"(63.5mm)SQ.		3.1/2"(88.9mm)SQ.	
No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
 Standard Sockets	 6-point	18400M 18400A	mm inch 230 230	17400M 17400A	mm inch 240 240	19400M 19400A	mm inch 244 244	10400M 10400A	mm inch 246 246
	 6-point (Thin-walled)	18401M 18401A	mm inch 231 231						
	 6-point (with Magnet)								
	 12-point	18405M 18405A	mm inch 231 231	17405M 17405A	mm inch 241 241				
	 12-point (Thin-walled)								
	 Surface	18410M	mm 232						
	 PATHFINDER®								
	 TORX® (E)								
	 TORXplus® (EP)								
	 LH-S								
	 for Self Tapping Screws								
	 for Self Tapping Screws (with Magnet)								
 Short Sockets	 Double Square								
	 for Weld Nut								
 Semi Deep Sockets	 6-point (Thin-walled)	18301X	mm 233						
	 6-point (with Slide Magnet)								
 Deep Sockets	 6-point	18300M 18300A	mm inch 233 233	17300M 17300A	mm inch 241 241	19300M	mm 245		
	 6-point (Thin-walled)	18301M 18301A	mm inch 234 234						
	 6-point (with Slide Magnet)								
	 12-point								
	 12-point (Thin-walled)								
	 Surface	18310M	mm 234						
	 PATHFINDER®								
	 TORX® (E)								
 Extension Sockets	 6-point	18104M	mm 232						
	 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	mm mm 235 237	17108-32	mm 242				
	 TORX® (T)	18106-16(T)	TORX® 235						
	 TORXplus® (IP)								
 Universal Bit Sockets	 XZN (Triple Square)	18106-16(XZN)	XZN 235						
	 Hexagon								
	 Hexagon (Extension)								
Extension Bars		18760	238	17760	243	19760	245		
Universal Joints		18770 18771	238 238	17770	243	19770	245		
Adaptors		18866A 18877A	239 239	17788A 17799A	243 243	19977A	245	10099A	246
Locking Adaptors		18888AL	238						

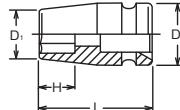
Z-SERIES | HAND MANUALES | TITANIUM DE TITANIO | ACCESSORIES ACCESORIOS | SCREWDRIVERS DESTORNILLADORES | IMPACTO DE IMPACTO | SLEEVE-DRIVE | INDUSTRIAL INDUSTRIALES | PROTECTOR PROTECTORES | AUTOMOTIVE | CONSTRUCCIÓN CONSTRUCCIÓN | RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Impact Sockets **1/4"**

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 Bihex.

12400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)	
4	7.5	13	4	23	14	10	10	*1	
4.5	8.1	13	4	23	14	10	10	*1	
5	8.8	13	4	23	14	10	10	*1	
5.5	9.4	13	4	23	14	10	10	*1	
6	10	13	5	23	14	10	10	*1	
7	11.3	13	5	23	14	10	10	*1	
8	12.5	13	6	23	14	10	10	*1	
9	13.8	13	7	23	14	10	10	*1	
10	15	13	7	23	15	10	10	*1	
11	16.3	13	8	23	18	10	10	*1	
12	17.5	13	8	23	19	10	10	*1	
13	18.8	13	8	23	19	10	10	*1	
14	20	13	9	23	20	10	10	*1	

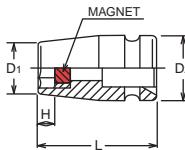
12400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)	
5/32	7.5	13	4	23	14	10	10	*1	
3/16	8.1	13	4	23	14	10	10	*1	
7/32	9.4	13	4	23	16	10	10	*1	
1/4	10	13	5	23	14	10	10	*1	
9/32	11.3	13	5	23	14	10	10	*1	
5/16	12.5	13	6	23	14	10	10	*1	
11/32	13.8	13	7	23	14	10	10	*1	
3/8	15	13	7	23	15	10	10	*1	
7/16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

*1 Pin/O-Ring=1200A/B ➔ P255

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	10	*1	
4.5	8.1	13	2.1	23	13	10	10	*1	
5	8.8	13	2.1	23	15	10	10	*1	
5.5	9.4	13	2.1	23	15	10	10	*1	
6	10	13	2.4	23	16	10	10	*1	
7	11.3	13	2.8	23	16	10	10	*1	
8	12.5	13	3.5	23	17	10	10	*1	
9	13.8	13	3.8	23	18	10	10	*1	
10	15	13	4.2	23	18	10	10	*1	
11	16.3	13	4.9	23	21	10	10	*1	
12	17.5	13	5.6	25	21	10	10	*1	
13	18.8	13	6	25	21	10	10	*1	
14	20	13	6.4	25	20	10	10	*1	

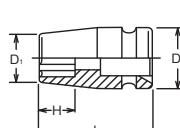
12400AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)	
3/16	8.1	13	2.1	23	13	10	10	*1	
1/4	10	13	2.4	23	16	10	10	*1	
5/16	12.5	13	3.5	23	17	10	10	*1	
11/32	13.8	13	3.8	23	18	10	10	*1	
3/8	15	13	4.2	23	18	10	10	*1	
7/16	16.3	13	4.9	23	21	10	10	*1	
1/2	18.8	13	6	25	21	10	10	*1	
9/16	20	13	6.4	25	20	10	10	*1	

*1 Pin/O-Ring=1200A/B ➔ P255

12410M



Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE

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

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

SURFACE DRIVE

12410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)	
6	10	13	5	23	14	10	10	*1	
7	11.3	13	5	23	15	10	10	*1	
8	12.5	13	6	23	15	10	10	*1	
9	13.8	13	7	23	14	10	10	*1	
10	15	13	7	23	14	10	10	*1	
11	16.3	13	8	23	17	10	10	*1	
12	17.5	13	8	23	19	10	10	*1	
13	18.8	13	8	23	19	10	10	*1	

*1 Pin/O-Ring=1200A/B ➔ P255

1/4"

Impact Sockets

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

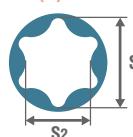
*1 Pin/O-Ring=1200A/B ➔ P255



12425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pcs. (pcs.)	Ø (Ø)
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

*1 Pin/O-Ring=1200A/B ➔ P255

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 (g)	pcs. (pcs.)	Ø (Ø)
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

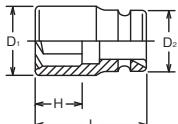
12460A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pcs. (pcs.)	Ø (Ø)
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

*1 Pin/O-Ring=1200A/B ➔ P255

12465M



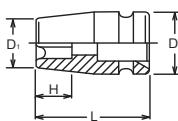
Pathfinder Sockets
Vasos Pathfinder (Guía)



12425



TORX® Sockets
Vasos TORX®



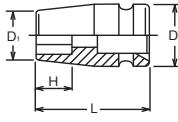
12460M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pcs. (pcs.)	Ø (Ø)
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

12460A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pcs. (pcs.)	Ø (Ø)
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

*1 Pin/O-Ring=1200A/B ➔ P255

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 (g)	pcs. (pcs.)	Ø (Ø)
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

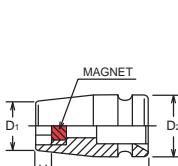
12460AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pcs. (pcs.)	Ø (Ø)
1/4	10.3	13	2.4	23	16	10	*1
5/16	12.8	13	3.5	25	18	10	*1
3/8	15.3	13	4.2	28	20	10	*1
7/16	16.6	13	4.9	29	27	10	*1
1/2	19.1	13	6	30	23	10	*1

*1 Pin/O-Ring=1200A/B ➔ P255

12460MG • 12460AG



With Magnet for Self-Tapping Screws
Con Imán para Tornillos Autorroscantes



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TORX® es una marca registrada de Acument Intellectual Properties, LLC.

Koken TOOL CO., LTD.

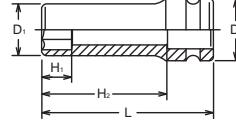
Impact Sockets **1/4"**

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
ALARGADERASINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

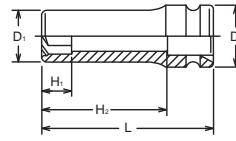
12300M 6-point Sockets, Deep Vasos Hexagonales Largos



12300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	$\frac{g}{kg}$	(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=1200A/B → P255

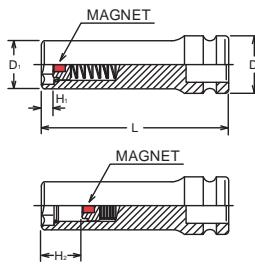
12365M Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos



12365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	$\frac{g}{kg}$	(pcs.)	€
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

*1 Pin/O-Ring=1200A/B → P255

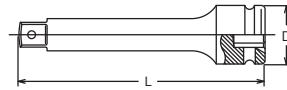
12300G Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo



12300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	$\frac{g}{kg}$	(pcs.)	€
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

*1 Pin/O-Ring=1200A/B → P255

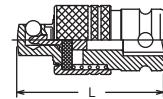
12760 Extension Bars Alargaderas



12760	D (mm)	L (mm)	$\frac{g}{kg}$	(pcs.)	€
55	13	55	26	10	*1
75	13	75	45	10	*1
100	13	100	50	10	*1
150	13	150	60	10	*1

*1 Pin/O-Ring=1200A/B → P255

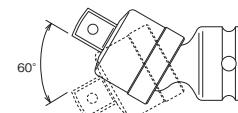
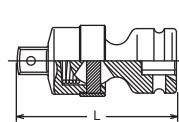
12222AL Adaptor (Quick Release) Adaptador (Extracción Rápida)



12222AL	L (mm)	$\frac{g}{kg}$	(pcs.)	€
	35	30	10	*1

*1 Pin/O-Ring=1200A/B → P255

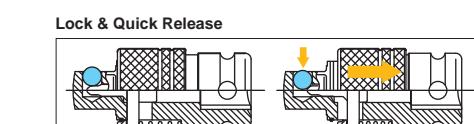
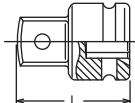
12770 Universal Joint Articulación Universal



12770	L (mm)	$\frac{g}{kg}$	(pcs.)	€
	39	30	10	*1

*1 Pin/O-Ring=1200A/B → P255

12233A Adaptor Adaptador



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

12233A	$\frac{\square}{\square}$ (sq.)	$\frac{\square}{\square}$ (sq.)	L (mm)	$\frac{g}{kg}$	(pcs.)	€
12233A	1/4"	3/8"	22	15	10	*1
12233A-B	1/4"	3/8"	22	15	10	*1
12233A-P	1/4"	3/8"	22	15	10	*1

*1 Pin/O-Ring=1200A/B → P255



3/8"

Impact Sockets

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIALES

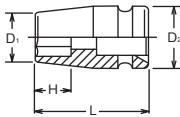
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

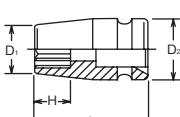
13400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

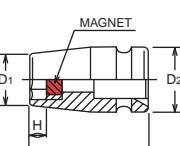
13405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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=1301C, Pin/O-Ring=1301A/B → P254-255

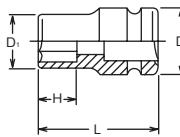
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

Impact Sockets **3/8"**

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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

RS13401M/9



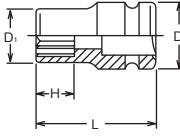
Socket Set on Rail
Juego de Vasos en Regleta



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

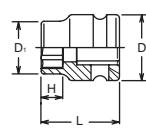
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13401MS



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



RS13401MS/5



Socket Set on Rail
Juego de Vasos en Regleta



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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

RS13401M/9

9 Pieces Set/Rail 250mm

⚖️
(g)

8, 10, 12, 13, 14, 17, 19, 21, 22

505

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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13401MS



5 Pieces Set/Rail 150mm

⚖️
(g)

8, 10, 12, 13, 14

180

3/8"

Impact Sockets

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

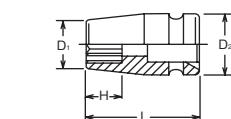
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13410M



Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



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

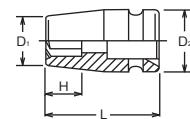
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13465M



Pathfinder Sockets
Vasos Pathfinder (Guía)



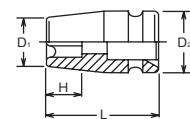
13425 (E) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
E12	14.2	19	9.3	32	43	10	*1
E14	17.2	19	10.6	32	44	10	*1
E16	18.2	19	11.8	32	42	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

13425



TORX® Sockets
Vasos TORX®



13425-EPL (EPL) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
8EPL	12	19	5.2	32	44	10	*1
10EPL	13.3	19	6.2	32	44	10	*1
12EPL	15.8	19	7.2	32	44	10	*1
New 14EPL	18.3	19	8.1	32	46	10	*1
New 16EPL	19.5	19	9.2	32	41	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

TORXplus® (EP/EPL) (mm)	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

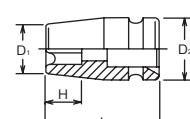
TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.
TORXplus® is a registered trademark of Acument Intellectual Properties, LLC.
TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

13425-EPL



TORXplus® Sockets
Vasos TORXplus®

TORXplus®

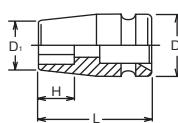


Impact Sockets **3/8"**

13460M • 13460A

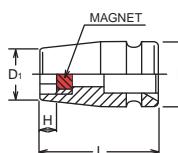


For Self-Tapping Screws
Para Tornillos Autorroscantes



13460MG • 13460AG

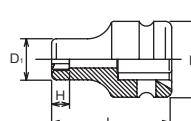
Sockets with Magnets for Self-Tapping Screws
Vasos con Imán para Tornillos Autorroscantes



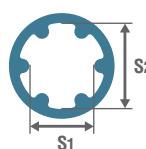
13401LH



LHS Sockets
Vasos LHS



LHSTIX®

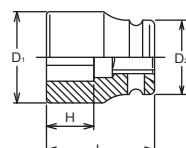


LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S ₁	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S ₂	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

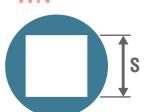
13400-WN



Weld Nut Sockets



WN



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

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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

3/8"

Impact Sockets

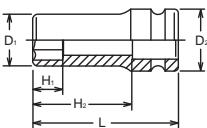
13301X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	❖ (pcs.)	∅
7	11	18.5	7	36.5	50	40	10	*1
8	12.3	18.5	8	36.5	50	40	10	*1
10	14.8	18.5	10	36.5	50	46	10	*1
11	16	18.5	11	36.5	50	49	10	*1
12	17.3	18.5	12	36.5	50	53	10	*1
13	18.5	21.5	13	36.5	50	67	10	*2
14	19.8	21.5	14	36.5	50	70	10	*2
15	21	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



13301X



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



*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

RS13301X/9	9 Pieces Set/Rail 250mm	⚖️ (g)
8, 10, 12, 13, 14, 17, 19, 21, 22	710	



RS13301X/9



Socket Set on Rail
Juego de Vasos en Regleta



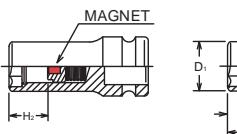
13300XG (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	❖ (pcs.)	∅
7	12	19	3.5	19	50	52	10	*1
8	13.3	19	4	20.5	50	40	10	*1
10	15.8	19	4.5	20	50	46	10	*1
11	17	19	5	20	50	50	10	*1
12	18.3	19	6	20	50	55	10	*1
13	19.5	22	6.5	19	50	70	10	*2
14	20.8	22	7	18	50	75	10	*2
16	23.2	22	7.5	20	50	114	10	*2
17	24.4	22	8	20	50	126	10	*2



13300XG



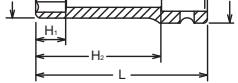
Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo



*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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
24	33.2	22	24	63.5	80	242	10	*2



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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

Impact Sockets **3/8"**

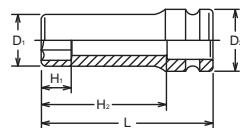
Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

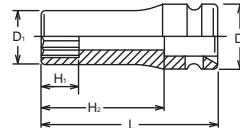
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO**13301M • 13301A**6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada

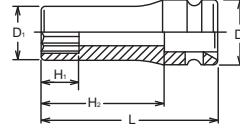
13301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)	∅
6	10	18.5	6	66.5	80	65	10	*1
7	11	18.5	7	66.5	80	66	10	*1
8	12.3	18.5	8	66.5	80	68	10	*1
9	13.5	18.5	9	66.5	80	70	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	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

13305M12-point Sockets, Deep
Vasos Bihexagonales Largos

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=1301C, Pin/O-Ring=1301A/B

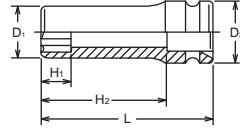
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

13306M12-point Deep Sockets, Thin-Walled
Vasos Bihexagonales Largos de Pared Delgada

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

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

SURFACE DRIVE

13310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)	∅
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	190	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

3/8"

Impact Sockets

13300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
16	23.3	22	8	27	80	210	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

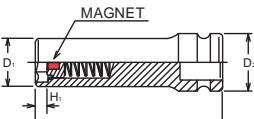
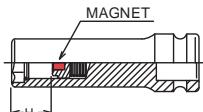
*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B



13300G

Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo



13365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2

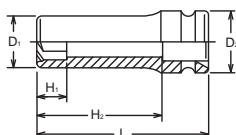
*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B



13365M

Pathfinder Sockets deep
Vasos Pathfinder (Guía) Largos



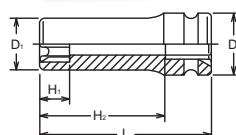
13325 (E) (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	80	10	*1
E10	12.2	19	8.2	66.5	80	85	10	*1
E12	14.2	19	9.3	66.5	80	90	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	110	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13325

TORX® Deep Sockets
Vasos TORX® Largos



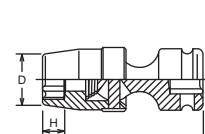
13440A (inch) (mm)	D (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
3/8	15.8	5	57	115	10	*2
7/16	17	6	57	115	10	*2
1/2	19.5	6	57	115	10	*2
9/16	20.8	7	59	120	10	*2
5/8	23.3	8	59	120	10	*2
11/16	24.5	8	59	120	10	*2
3/4	27	10	61	130	10	*2
20	29.5	10	61	135	10	*2
21	30.7	14	66	175	10	*2
22	32	13	61	185	10	*2
24	34.5	13	63	190	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13440M • 13440A

Universal Sockets
Vasos con Articulación Universal



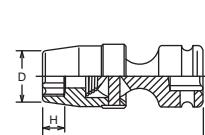
13440T (E) (mm)	D (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
E10	13.3	8.2	58	115	10	*2
E12	15.8	9.3	58	115	10	*2
E14	17	10.6	58	115	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13440T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal



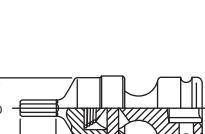
13430M (mm)	D (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
5	24	15	74	120	10	*2
6	24	15	74	131	10	*2
8	24	20	74	136	10	*2
10	24	20	74	141	10	*2
17	24	7	53	150	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13430M

Universal Inhex Sockets
Vasos Inhex con Articulación Universal



Z-SERIES HAND MANUALES TITANIUM DE TITANIO ACCESSORIES SCREWDRIVERS DE IMPACTO SLEEVE-DRIVE INDUSTRIALES PROTECTORES AUTOMOTIVE CONSTRUCCIÓN RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Koken TOOL CO., LTD.

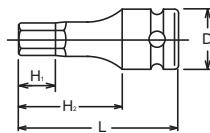
TORX® is a registered trademark of Acument Intellectual Properties, LLC.
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Impact Sockets **3/8"**

13012M-52



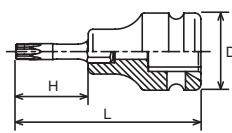
Inhex Sockets
Vasos con Punta Hexagonal



13025-50 · -90



TORX® Bit Sockets
Vasos con Punta TORX®



13025.50



ACCESSORIES
ACCESORIOS

SCREWDRIVERS DESTORNILLADORES

13025.50	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ø
T20	19	23.5	50	35	10	*1
T25	19	23.5	50	35	10	*1
T27	19	23.5	50	35	10	*1
T30	19	23.5	50	35	10	*1
T40	19	23.5	50	39	10	*1
T45	19	23.5	50	60	10	*1
T50	19	23.5	50	70	10	*1
T55	22	23.5	50	79	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P254-255

RS13025/8-L50



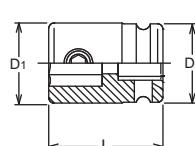
Socket Set on Rail
Juego de Vasos en Regleta



13134



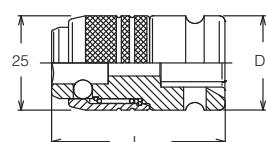
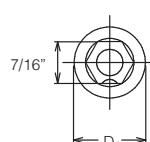
Impact Bit Holder
Porta-punta de Impacto



13142-F11.2



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



13012M.52 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	Ø
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
14	21	15.5	34	52	92	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13025.90 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	Ø
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=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

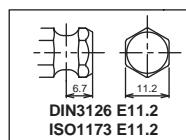
RS13025/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55	380	

13134	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	Ø
13134	22.5	22	32	70	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P254-255

Replacement Screw : M8×5, ● 4mm

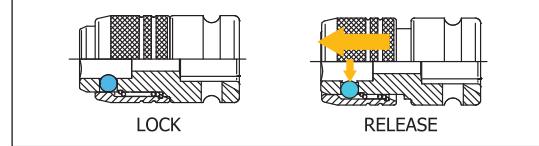
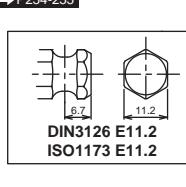
For
DIN3126 / ISO1173 E11.2 Bits



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

*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P254-255

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.

3/8"

Impact Sockets

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		

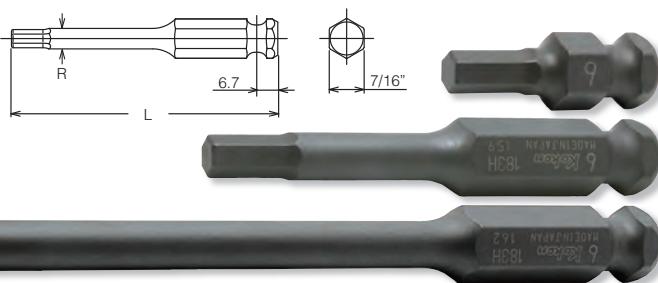


183H.35 (mm)	L (mm)		(g)		(pcs.)
3	35	15	10		
4	35	15	10		
5	35	15	10		
6	35	18	10		
7	35	19	10		
8	35	20	10		
10	35	26	10		
11	35	28	10		
12	35	30	10		
14	35	35	10		
16	35	47	10		
17	35	50	10		
18	35	53	10		
19	35	56	10		



183H-35 · -75 · -150

Hex Bits
Puntas Hexagonales

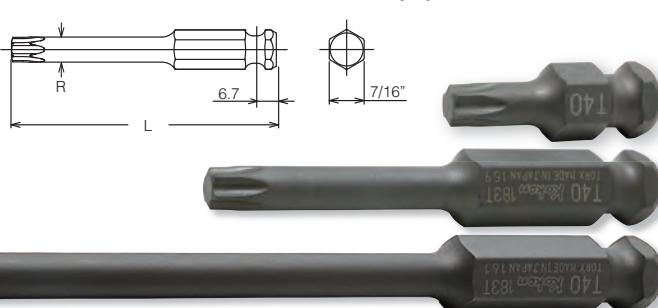


183H.75 (mm)	L (mm)	R (mm)		(g)		(pcs.)
3	75	6	34	10		
4	75	6	35	10		
5	75	6.5	36	10		
6	75	7.5	39	10		
7	75	8.5	44	10		
8	75	9.5	47	10		
10	75	-	57	10		
11	75	-	60	10		
12	75	-	65	10		
14	75	-	79	10		

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		

183T-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®



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



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

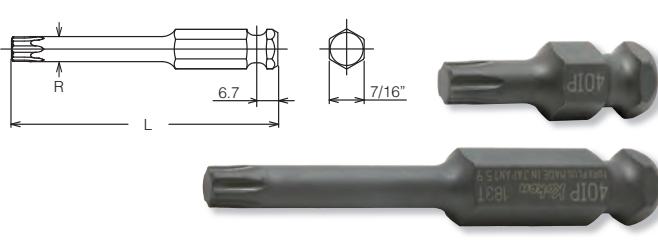
183T.150 (T)	L (mm)	R (mm)		(g)		(pcs.)
T30	150	6	50	10		
T40	150	6.9	58	10		
T45	150	8	70	10		
T50	150	9	82	10		
T55	150	11.4	113	10		

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-35 · -75 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®

TORXplus®



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		

183T.150 (IP)	L (mm)	R (mm)		(g)		(pcs.)
30IP	150	6	50	10		
40IP	150	6.8	58	10		
45IP	150	8	70	10		
50IP	150	9	82	10		
55IP	150	11.4	113	10		
60IP	150	13.5	136	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		

183T.150 (IP)	L (mm)	R (mm)		(g)		(pcs.)
30IP	150	6	50	10		
40IP	150	6.8	58	10		
45IP	150	8	70	10		
50IP	150	9	82	10		
55IP	150	11.4	113	10		
60IP	150	13.5	136	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		

183T.150 (IP)	L (mm)	R (mm)		(g)		(pcs.)

</tbl

Impact Sockets **3/8"**

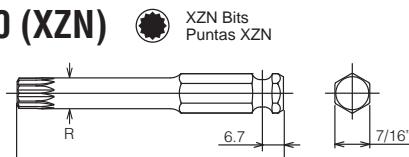
Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
VASES CON PUNTA HEXAGONALINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

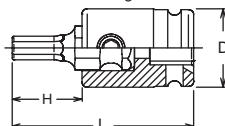
183X-35 · -75 · -150 (XZN)



183X.35 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	35	6	18	10
M 5	35	6	18	10
M 6	35	6.2	20	10
M 8	35	7.4	22	10
M10	35	9.8	26	10
M12	35	11.7	30	10
M14	35	13.5	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

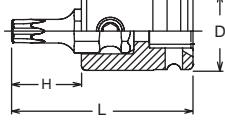
13134M-52 · -92



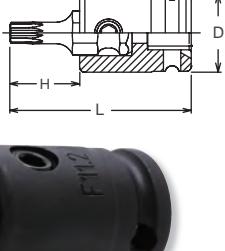
13134T-52 · -92 (T)



13134T-52 · -92 (IP)



13134X-52 · -92 (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

13134M-52/-92 (mm)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	Ø
3	22	20.6	52	92	6	85	104	10	*2
4	22	20.6	52	92	6	85	105	10	*2
5	22	20.6	52	92	6.5	85	106	10	*2
6	22	20.6	52	92	7.5	88	109	10	*2
8	22	20.6	52	92	9.5	90	117	10	*2
10	22	20.6	52	92	-	96	127	10	*2
12	22	20.6	52	92	-	100	135	10	*2
14	22	20.6	52	92	-	105	149	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

13134T-52/-92 (T)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	Ø
T30	22	20.6	52	92	6	88	105	10	*2
T40	22	20.6	52	92	6.9	90	107	10	*2
T45	22	20.6	52	92	8	92	111	10	*2
T50	22	20.6	52	92	9	96	115	10	*2
T55	22	20.6	52	92	11.4	100	125	10	*2
T60	22	20.6	52	92	13.5	108	137	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

13134T-52/-92 (IP)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	Ø
30IP	22	20.6	52	92	6	88	105	10	*2
40IP	22	20.6	52	92	6.8	90	107	10	*2
45IP	22	20.6	52	92	8	92	111	10	*2
50IP	22	20.6	52	92	9	96	115	10	*2
55IP	22	20.6	52	92	11.4	100	126	10	*2
60IP	22	20.6	52	92	13.5	108	139	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

13134X-52/-92 (XZN)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	Ø
M 5	22	20.6	52	92	6	88	104	10	*2
M 6	22	20.6	52	92	6.2	90	106	10	*2
M 8	22	20.6	52	92	7.4	92	109	10	*2
M10	22	20.6	52	92	9.8	96	124	10	*2
M12	22	20.6	52	92	11.7	100	129	10	*2
M14	22	20.6	52	92	13.5	108	139	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

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13145M.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
8	13.3	19	8	100	90	1	*1
10	15.8	19	10	100	92	1	*1
12	18.3	19	12	100	100	1	*1
13	19.5	19	13	100	108	1	*1
14	20.8	19	14	100	112	1	*1
17	24.5	19	17	100	140	1	*1

13145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
6	10.8	19	6	150	105	1	*1
8	13.3	19	8	150	110	1	*1
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1
13	19.5	19	13	150	137	1	*1
14	20.8	19	14	150	146	1	*1
15	22	19	15	150	155	1	*1
17	24.5	19	17	150	163	1	*1

13145M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
6	10.8	19	6	200	136	1	*1
8	13.3	19	8	200	141	1	*1
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1
13	19.5	19	13	200	168	1	*1
14	20.8	19	14	200	177	1	*1
15	22	19	15	200	186	1	*1
17	24.5	19	17	200	194	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

13145M.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
8	13.3	19	3.5	100	90	1	*1
10	15.8	19	4.2	100	93	1	*1
12	18.3	19	5.6	100	105	1	*1
13	19.5	19	6	100	115	1	*1
14	20.8	19	6.4	100	120	1	*1

13145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
8	13.3	19	3.5	150	120	1	*1
10	15.8	19	4.2	150	125	1	*1
12	18.3	19	5.6	150	136	1	*1
13	19.5	19	6	150	145	1	*1
14	20.8	19	6.4	150	150	1	*1

13145M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
10	15.8	19	4.2	200	182	1	*1
12	18.3	19	5.6	200	190	1	*1
13	19.5	19	6	200	208	1	*1
14	20.8	19	6.4	200	225	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

13145M.100 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
10	15.8	19	10	100	91	1	*1
12	18.3	19	12	100	100	1	*1

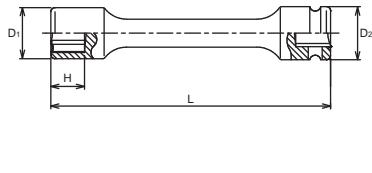
13145M.150 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1

13145M.200 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

13145M-100 · -150 · -200 · -250

Extra Long Sockets
Vasos Extra-Largos

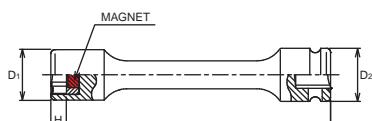


13145M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
6	10.8	19	6	250	167	1	*1
8	13.3	19	8	250	172	1	*1
10	15.8	19	10	250	182	1	*1
12	18.3	19	12	250	190	1	*1
13	19.5	19	13	250	199	1	*1
14	20.8	19	14	250	208	1	*1
15	22	19	15	250	217	1	*1
17	24.5	19	17	250	225	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

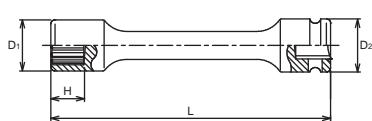
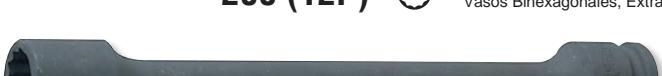
13145MG-100 · -150 · -200

Extra Long Sockets with Magnet
Vasos Extra-Largos con Imán



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

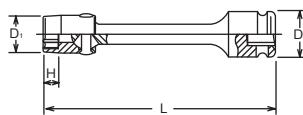
Extra Long 12-point Sockets
Vasos Bihexagonales, Extra-Largos



Impact Sockets **3/8"**

13146M-150 · -200 · -250

 Extra Long Universal Sockets
Vasos Extra Largo con Articulación Universal



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

13146M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	⊖
8	12	19	6	150	128	1	*1
10	14.3	19	7	150	131	1	*1
12	18	19	8	150	133	1	*1
13	19.3	19	8.5	150	132	1	*1
14	20	19	9	150	132	1	*1

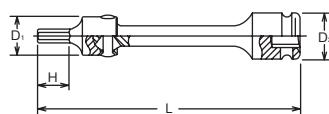
13146M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	⊖
8	12	19	6	200	159	1	*1
10	14.3	19	7	200	162	1	*1
12	18	19	8	200	164	1	*1
13	19.3	19	8.5	200	163	1	*1
14	20	19	9	200	163	1	*1

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

13147M-150 · -200

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



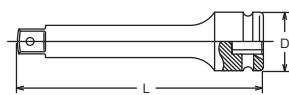
13147M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	⊖
4	21	19	15	150	125	1	*1
5	21	19	15	150	128	1	*1
6	21	19	15	150	132	1	*1
8	21	19	15	150	136	1	*1
10	21	19	15	150	140	1	*1

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

13760

Extension Bars
Alargaderas



AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

13760	D (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	⊖
50	22	50	70	10	*2
75	22	75	95	10	*2
100	22	100	120	10	*2
125	22	125	141	5	*2
150	22	150	165	5	*2
200	22	200	210	5	*2
250	22	250	260	5	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

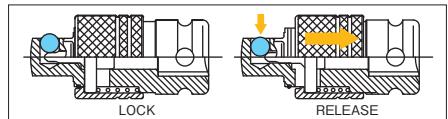
3/8"

Impact Sockets

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

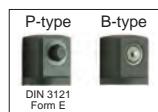
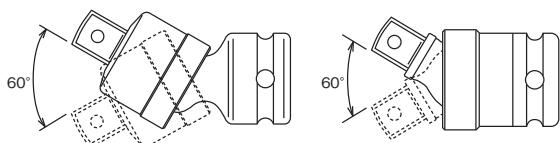
Lock & Quick Release



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

	L (mm)		(g)		(pcs.)	
13770	56		110		10	
13770-B	56		110		10	
13770-P	56		110		10	
13771	48		92		10	
13771-B	48		92		10	
13771-P	48		92		10	

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255



	D ₁ (mm)	D ₂ (mm)	L (mm)		(g)		
New 13772-B	22	19	75		120		
13772-P	22	19	75		120		

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

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

			L (mm)		(g)		
13322A			27		25		
13322A-B			27		25		
13322A-P			27		25		

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔ P254-255

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.

			L (mm)		(g)		
13344A			32.5		53		
13344A-B			32.5		53		
13344A-P			32.5		53		

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255

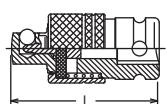
13241M	11 Pieces Set/	850g
METAL CASE:W240xH30xT35mm		
Sockets		
13400M 6-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		

13242M	11 Pieces Set/	1,140g
METAL CASE:W310xH90xT48mm		
Sockets		
13400M 6-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		

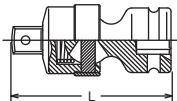


13333AL

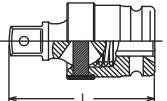
Adaptor (Quick Release)
Adaptador (Extracción Rápida)



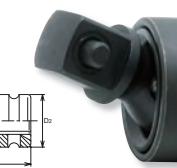
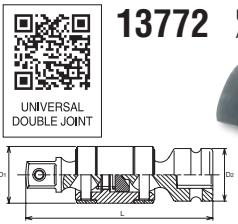
13770 Universal Joint
Articulación Universal



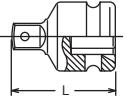
13771 Universal Joint
Articulación Universal



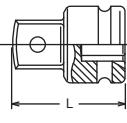
13772 Universal Double Joint
Articulación Universal



13322A Adaptor
Adaptador



13344A Adaptor
Adaptador



13241M Socket Set
Juego de Vasos



13242M Socket Set
Juego de Vasos

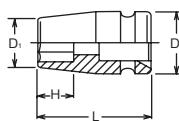


Impact Sockets **1/2"**

14400M • 14400A



6-point Sockets
Vasos Hexagonales



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



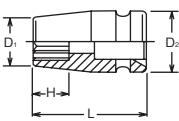
FLAT DRIVE®

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

14405M • 14405A



12-point Sockets
Vasos Bihexagonales



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

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=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

1/2"

Impact Sockets

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALESINDUSTRIAL
PROTECTORESAUTOMOTIVE
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

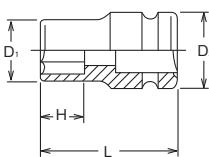
*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B



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=1401C, Pin/O-Ring=1401A/B ➔ P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14401M/10

10 Pieces Set/Rail 300mm



(g)

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

1,010

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

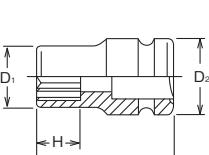
*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B



14406M • 14406A

12-point Sockets, Thin Walled
Vasos Bihexagonales de Pared Delgada



14406A (inch)	D ₁ (mm)	D ₂ (mm)	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=1401C, Pin/O-Ring=1401A/B ➔ P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

Impact Sockets **1/2"**

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
DESTORNILLADORESINDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

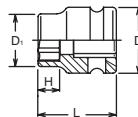
AUTOMOTIVE

CONSTRUCTION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

14401MS

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



RS14401MS/10



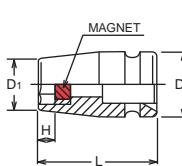
Socket Set on Rail
Juego de Vasos en Regleta



14400MG



6-point Sockets with Magnet
Vasos Hexagonales con Imán



14401MS (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
New 10	15.5	24	4.5	23	41	10	*1
New 12	18	24	5.5	24	42	10	*1
New 13	19.2	24	6.5	25	43	10	*1
14	20.5	24	6.5	25	43	10	*1
17	24.2	29	7.5	26	76	10	*2
19	26.7	29	9.5	28	79	10	*2
New 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
New 27	36.7	29	10	28.5	100	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14401MS/10

10 Pieces Set/Rail 300mm

⚖️
(g)

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

740

14400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	8	38	165	10	*2

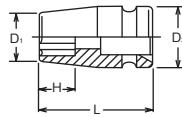
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14410M



Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE

14410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
10	17	25	7	38	100	10	*1
11	18.2	25	8	38	103	10	*1
12	19.5	25	9	38	110	10	*1
13	20.7	25	10	38	113	10	*1
14	22	25	10	38	115	10	*1
15	23.2	30	11	38	120	10	*2
16	24.5	30	11	38	120	10	*2
17	25.7	30	12	38	126	10	*2
18	27	30	13	38	121	10	*2
19	28.2	30	13	38	124	10	*2
20	29.5	30	13	38	123	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
24	34.5	30	14	38	134	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
34	47	30	19	46	263	5	*2
36	49.5	30	20	46	263	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

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 (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

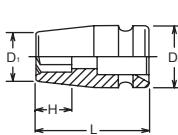
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B



14465M



Pathfinder Sockets
Vasos Pathfinder (Guía)



PATHFINDER®

The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately.

PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

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

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

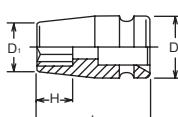
14415M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)	∅
14	25.7	30	10	38	138	10	*1
15	27	30	11	38	145	10	*1
16	29.5	30	11	38	150	10	*1
17	30.7	30	12	38	155	10	*1
18	32	30	13	38	165	10	*1
19	33.2	30	14	38	170	10	*1
22	38.2	30	14	40	185	10	*1
24	42	30	14	42	215	10	*1
27	45.7	30	16	46	278	5	*1
28	47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

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P254-255

14415M



Double Square Sockets
Vasos Octagonales



14425 (E) (mm)	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
E22	28.2	30	17	40	138	10	*2

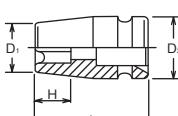
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14425



TORX® Sockets
Vasos TORX®



14425-EPL (EPL) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)	∅
10EPL	14.5	25	6.2	38	86	10	*1
12EPL	17	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	20.7	25	9.1	38	88	10	*1
18EPL	22	25	10.2	40	90	10	*1
20EPL	24.5	30	11.2	42	135	10	*2

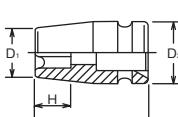
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14425-EPL



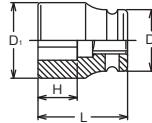
TORXPLUS® Sockets
Vasos TORXPLUS®



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Impact Sockets **1/2"**

14400-WN Weld Nut Sockets

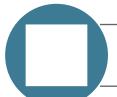


14400-WN	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)	
8WN	18.3	25	8	38		93		10	*1
9WN	19.5	25	9	38		93		10	*1
10WN	20.8	25	10	38		92		10	*1
12WN	24.5	30	12	38		139		10	*2
14WN	27	30	14	38		136		10	*2
17WN	32	30	17	40		150		10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B  P254-255

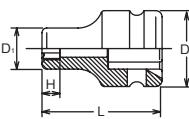
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

WN



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

14401LH LHS Sockets Vasos LHS

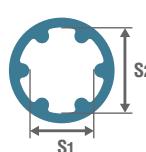


14401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)	
6S	13	25	5.6	38		65		10	*1
8S	16.7	25	6.8	38		69		10	*1
10S	19.2	25	8	38		75		10	*1
12S	23	30	9.2	38		115		10	*2
14S	25.5	30	10.4	38		121		10	*2
16S	29.2	30	11.6	38		128		10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B  P254-255

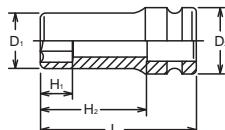
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

LHSTIX®



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

14301X 6-point Sockets, Semi-Deep Vasos Hexagonales Medianos de pared Delgada



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=1401C, Pin/O-Ring=1401A/B  P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14301X/10 Socket Set on Rail Juego de Vasos en Regleta



RS14301X/10	10 Pieces Set/Rail 300mm		(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27			1,585

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1/2"

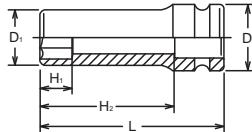
Impact Sockets



14300M • 14300A



6-point Deep Sockets
Vasos Hexagonales Largos



	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	385	10	*2
28	39.5	30	28	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	457	10	*2
31	43.2	30	31	63	85	505	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
34	47	30	33	62	85	570	2	*2
35	48.2	30	35	62	85	600	2	*2
36	49.5	30	36	61	85	635	2	*2
38	52	30	38	60	85	655	2	*2
41	55.7	30	38	60	85	686	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

	D ₁ (inch)	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	385	10	*2
1. 1/8	40.7	30	29	63	85	416	10	*2
1. 3/16	42	30	30	63	85	457	10	*2
1. 1/4	44.5	30	32	63	85	542	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

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

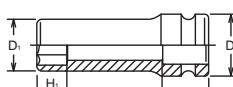
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14301M • 14301A



6-point Deep Sockets, Thin-walled
Vasos Hexagonales Largos de Pared Delgada



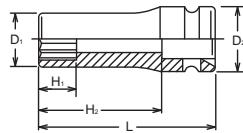
14301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
3/8	15.5	24	10	62	80	98	10	*1
7/16	16.7	24	11	62	80	104	10	*1
1/2	19.2	24	13	62	80	120	10	*1
9/16	20.5	24	14	62	80	127	10	*1
5/8	23	29	16	62	80	173	10	*2
11/16	24.2	29	17	62	80	182	10	*2
3/4	26.7	29	19	61	80	197	10	*2
13/16	29.2	29	21	61	80	218	10	*2
7/8	30.5	29	22	65	85	244	10	*2
15/16	33	29	24	65	85	261	10	*2
1. 1/16	36.7	29	27	64	85	314	10	*2
1. 1/8	39.2	29	29	63	85	349	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

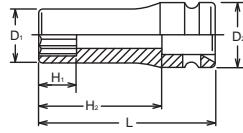
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

Impact Sockets **1/2"**

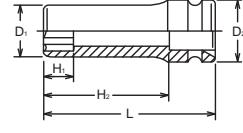
14305M  12-point Deep Sockets
Vasos Bihexagonales Largos



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



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=1401C, Pin/O-Ring=1401A/B

*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P254-255

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=1401C, Pin/O-Ring=1401A/B

*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P254-255

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=1401C, Pin/O-Ring=1401A/B

*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P254-255

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.

1/2"

Impact Sockets

14300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm) ^t	L (mm)t	⚖️ (g)	📦 (pcs.)	∅
10	17	25	4.5	26	80	139	10	*1
12	19.5	25	6	26	80	165	10	*1
13	20.7	25	6.5	25	80	185	10	*1
14	22	25	7	24	80	189	10	*1
15	23.2	30	7	24	80	240	10	*2
16	24.5	30	7.5	26.5	80	270	10	*2
17	25.7	30	8	26.5	80	272	10	*2
18	27	30	8.5	26.5	80	290	10	*2
19	28.2	30	9	27.5	80	308	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

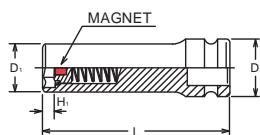
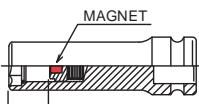
*2 C-Ring=1402C, Pin/O-Ring=1402A/B



14300G



Impact Socket with Sliding Magnet
Vasos de Impacto con Imán Corredizo



14365M (mm)	D ₁ (mm)	D ₂ (mm)	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=1401C, Pin/O-Ring=1401A/B → P254-255

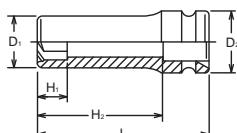
*2 C-Ring=1402C, Pin/O-Ring=1402A/B



14365M



Pathfinder Sockets, Deep
Vasos Pathfinder (Guía) Largos



14325 (E) (mm)	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=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14440M (mm)	D (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
13	20.7	6	67.5	210	10	*2
14	22	7	69.5	210	10	*2
15	23.2	7	69.5	210	10	*2
16	24.5	8	69.5	206	10	*2
17	25.7	8	69.5	220	10	*2
18	27	9	69.5	218	10	*2
19	28.2	10	73.5	260	10	*2
20	29.5	10	73.5	270	10	*2
21	30.7	11	73.5	280	10	*2
22	32	13	73.5	290	10	*2
24	34.5	14	73.5	300	10	*2

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

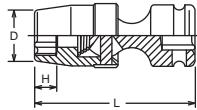
*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P254-255

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14440M • 14440A



Universal Sockets
Vasos con Articulación Universal

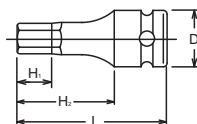


Impact Sockets **1/2"**

14012M-60



Inhex Sockets
Vasos Inhex



RS14012M/10-L60



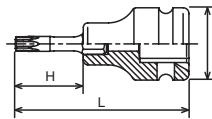
Socket Set on Rail
Juego de Vasos en Regleta



14025-60 -100



TORX® Bit Sockets
Vasos con Punta TORX®



14025.100 (T)	D (mm)	H (mm)	L (mm)			
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



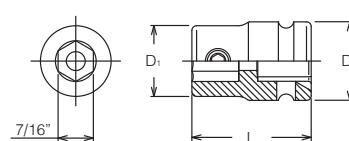
Socket Set on Rail
Juego de Vasos en Regleta



14134



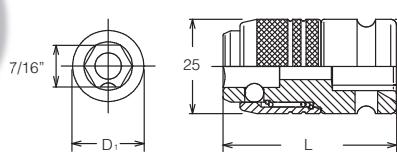
Impact Bit Holder
Porta-punta de Impacto



14142-F11.2



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



14012M.60 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)			
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
19	30	15.5	38	60	210	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

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)			
T20	25	23.5	60	75	10	*1
T25	25	23.5	60	75	10	*1
T27	25	23.5	60	75	10	*1
T30	25	23.5	60	80	10	*1
T40	25	23.5	60	85	10	*1
T45	25	23.5	60	85	10	*1
T50	25	23.5	60	95	10	*1
T55	25	23.5	60	110	10	*1
T60	30	23.5	60	160	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

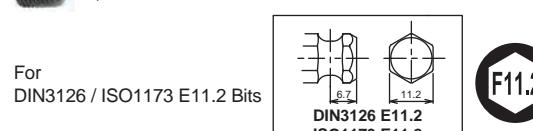
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

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

14134	D ₁ (mm)	D ₂ (mm)	L (mm)			
14134	22.5	25	38	90	10	*1

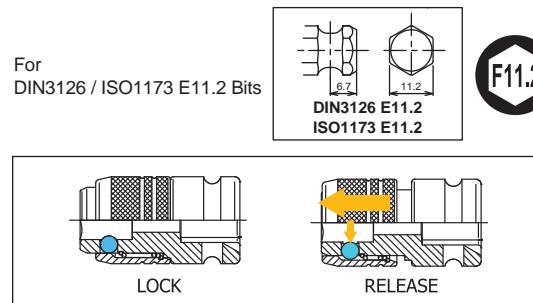
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

Replacement Screw : M8x5, ● 4mm



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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255



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

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1/2"

Impact Sockets

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.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		
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.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		

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		

183T.75 (T)	L (mm)	R (mm)		(g)		(pcs.)
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-35 · -75 (IP)

TORX®plus®



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		



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Impact Sockets **1/2"**

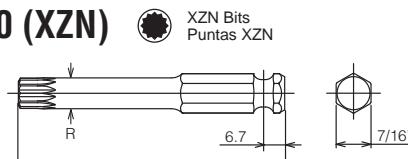
Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
VASES CON PUNTA TORX®INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

183X-35 · -75 · -150 (XZN)

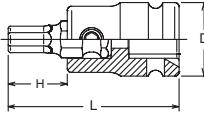


183X.35 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	35		18	10
M 5	35		18	10
M 6	35		20	10
M 8	35		22	10
M10	35		26	10
M12	35		30	10
M14	35		38	10

183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

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

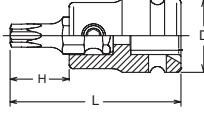
14134M-58 · -98

Hex Bit Sockets
Vasos con Punta Hexagonal

14134M-58/-98 (mm)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)
3	25	20.6	58	98	6	105	124	10	5
4	25	20.6	58	98	6	105	125	10	5
5	25	20.6	58	98	6.5	105	126	10	5
6	25	20.6	58	98	7.5	108	129	10	5
8	25	20.6	58	98	9.5	110	137	10	5
10	25	20.6	58	98	—	116	147	10	5
12	25	20.6	58	98	—	120	155	10	5
14	25	20.6	58	98	—	125	169	10	5

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

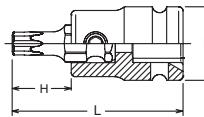
14134T-58 · -98 (T)

TORX® Bit Sockets
Vasos con Punta TORX®

14134T-58/-98 (T)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)
T30	25	20.6	58	98	6	108	125	10	5
T40	25	20.6	58	98	6.9	110	127	10	5
T45	25	20.6	58	98	8	112	131	10	5
T50	25	20.6	58	98	9	116	135	10	5
T55	25	20.6	58	98	11.4	120	145	10	5
T60	25	20.6	58	98	13.5	128	157	10	5

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-256

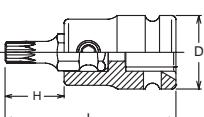
14134T-58 · -98 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

14134T-58/-98 (IP)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)
30IP	25	20.6	58	98	6	108	125	10	5
40IP	25	20.6	58	98	6.8	110	127	10	5
45IP	25	20.6	58	98	8	112	131	10	5
50IP	25	20.6	58	98	9	116	135	10	5
55IP	25	20.6	58	98	11.4	120	146	10	5
60IP	25	20.6	58	98	13.5	128	159	10	5

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

14134X-58 · -98 (XZN)

XZN Bit Sockets
Vasos con Punta XZN

14134X-58/-98 (XZN)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)
M 5	25	20.6	58	98	6	108	124	10	5
M 6	25	20.6	58	98	6.2	110	126	10	5
M 8	25	20.6	58	98	7.4	112	129	10	5
M10	25	20.6	58	98	9.8	116	144	10	5
M12	25	20.6	58	98	11.7	120	149	10	5
M14	25	20.6	58	98	13.5	128	159	10	5

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

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1/2"

Impact Sockets

	D ₁ (mm)	D ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)	∅
14106	28	30	43	160	10	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔ P254-255



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
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	122	10
12	100	15	146	10
14	100	-	166	10
17	100	-	193	10
19	100	-	232	10
22	100	-	254	10

107.16 (T)	L (mm)	⚖ (g)	📦 (pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	⚖ (g)	📦 (pcs.)
T55	100	11.4	108	10
T60	100	13.4	130	10
T70	100	15.7	159	10

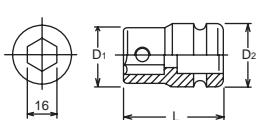
107.16 (IP)	L (mm)	⚖ (g)	📦 (pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

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	131	10
M16	100	15.8	161	10
M18	100	17.1	177	10

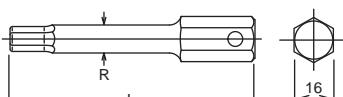
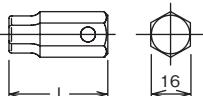
14106

Bit Holder for 107-16
Porta Punta



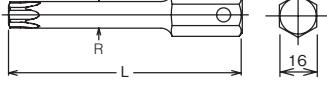
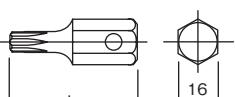
107-16

Bits for Inhex screws
Puntas para Tornillos Inhex



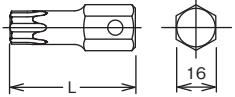
107-16 (T)

TORX® Bits
Puntas TORX®



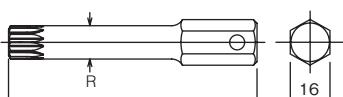
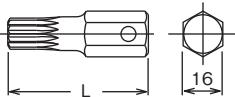
107-16 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®



107-16 (XZN)

XZN Bits
Puntas XZN



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Koken TOOL CO., LTD.

213

Z-SERIES

HAND
MANUALES

TITANIUM
ACCESORIES
ACCESSORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
SLEEVE-DRIVE
INDUSTRIALES

PROTECTOR
AUTOMOTIVE

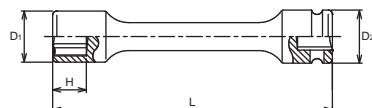
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Impact Sockets **1/2"**

14145M-100 · -150 · 200 · -250

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



14145M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25	19	200	311	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

14145M.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (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

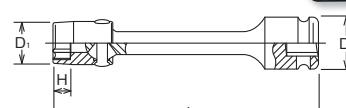
14145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

14145M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
10	17	25	10	250	278	1	*1
12	19.5	25	12	250	292	1	*1
13	20.7	25	13	250	304	1	*1
14	22	25	14	250	316	1	*1
15	23.2	25	15	250	328	1	*1
16	24.5	25	16	250	335	1	*1
17	25.7	25	17	250	341	1	*1
18	27	25	18	250	350	1	*1
19	28.2	25	19	250	355	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

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)	胸怀 (pce.)	∅
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	200	254	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

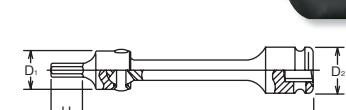
14146M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
10	16	25	6.5	150	197	1	*1
12	19.3	25	7.5	150	200	1	*1
13	20	25	8	150	201	1	*1
14	21	25	8.5	150	203	1	*1
15	22	25	9	150	201	1	*1
16	23	25	9.5	150	200	1	*1
17	25	25	9.5	150	200	1	*1
18	26	25	11	150	210	1	*1
19	28	25	11.5	150	210	1	*1

14146M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

14147M-150 · -200

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



14147M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

1/2"

Impact Sockets

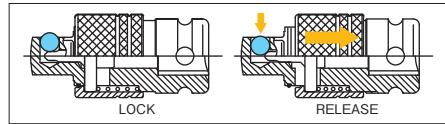
14760	D (mm)	L (mm)	(g)	(pcs.)	Ø
50	30	50	150	10	*2
75	30	75	188	10	*2
100	30	100	240	10	*2
125	30	125	275	5	*2
150	30	150	300	5	*2
175	30	175	358	5	*2
200	30	200	405	5	*2
250	30	250	480	1	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔ P254-255

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

Lock & Quick Release



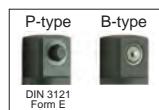
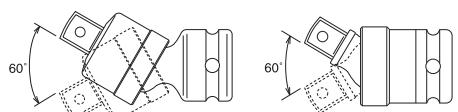
LOCKING
ADAPTOR

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



	L (mm)	(g)	(pcs.)	Ø
14770	74	210	5	*2
14770-B	74	210	5	*2
14770-P	74	210	5	*2
14771	65	198	5	*2
14771-B	65	198	5	*2
14771-P	65	198	5	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔ P254-255



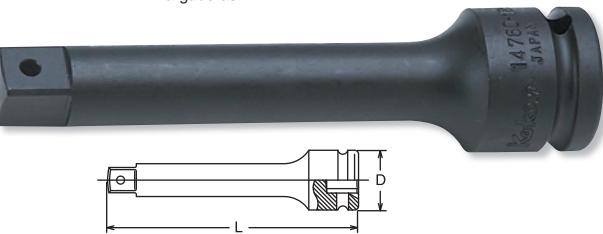
	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	Ø
New 14772-B	27	25	90	230	5	*1
14772-P	27	25	90	230	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255



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

14760 Extension Bars



14444AL Adaptor (Quick Release)

Adaptador (Extracción Rápida)



14770 Universal Joint

Articulación Universal



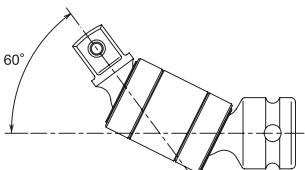
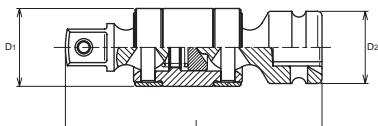
14771 Universal Joint

Articulación Universal



14772 Universal Double Joint

Articulación Universal



Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Impact Sockets **1/2"**

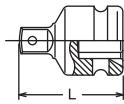
Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALPROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCCIÓN

14433A Adaptor
Adaptador 



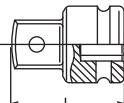
	□ (sq.)	□ (sq.)	L (mm)	g (g)	(pcs.)	€
14433A	1/2"	3/8"	37.5	68	10	*1
14433A-B	1/2"	3/8"	37.5	68	10	*1
14433A-P	1/2"	3/8"	37.5	68	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

 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.



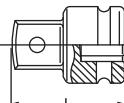
14455A Adaptor
Adaptador



	□ (sq.)	□ (sq.)	L (mm)	g (g)	(pcs.)	€
14455A	1/2"	5/8"	42	135	10	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔ P254-255

14466A Adaptor
Adaptador



	□ (sq.)	□ (sq.)	L (mm)	g (g)	(pcs.)	€
14466A	1/2"	3/4"	44	146	10	*2
14466A-B	1/2"	3/4"	44	146	10	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔ P254-255

14209M  Socket Set
Juego de Vasos



14209M 10 Pieces Set/€=830g

METAL CASE: W190xH59xT45mm	Bits	Bit Holder
 183H.35 Hex Bits 5, 6, 8, 10		 14134 Bit Holder
 107.16 Hex Bits 12, 14, 17, 19		 14106 Bit Holder

14210M  Socket Set
Juego de Vasos



14210M 18 Pieces Set/€=1,250g

METAL CASE: W310xH90xT48mm	Bits	Bit Holder
 183H.35 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14		 14134 Bit Holder
 183H.75 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14		 168H-4 (40) Screwdriver

14210T  Socket Set
Juego de Vasos



14210T 14 Pieces Set/€=1,080g

METAL CASE: W310xH90xT48mm	Bits	Bit Holder
 183T.35 TORX® Bits T30, T40, T45, T50, T55, T60		 14134 Bit Holder
 183T.75 TORX® Bits T30, T40, T45, T50, T55, T60		 168H-4 (40) Screwdriver

14210X  Socket Set
Juego de Vasos



14210X 14 Pieces Set/€=1,040g

METAL CASE: W310xH90xT48mm	Bits	Bit Holder
 183X.35 XZN Bits M4, M5, M6, M8, M10, M12		 14134 Bit Holder
 183X.75 XZN Bits M4, M5, M6, M8, M10, M12		 168H-4 (40) Screwdriver

1/2" Impact Sockets

Z-SERIES
MANUALES
TITANIUM
ACCESORIES
SCREWDRIVERS
IMPACT
SLEEVE-DRIVE
INDUSTRIALES
PROTECTOR
AUTOMOTIVE
CONSTRUCTION
RENEWAL KITS

JUEGOS DE PIEZAS REPUESTO
CONSTRUCCIÓN
JUEGOS DE PIEZAS REPUESTO

14207M	10 Pieces Set/ $\Delta\wedge$ =2,700g
METAL CASE:W310xH90xT48mm	
Sockets	
14300M 6-pt Deep Sockets	10, 12, 13, 14, 17, 19, 21, 22, 24, 27

14208M	13 Pieces Set/ $\Delta\wedge$ =3,500g
METAL CASE:W395xH90xT50mm	
Sockets	
14300M 6-pt Deep Sockets	10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27

14241M	13 Pieces Set/ $\Delta\wedge$ =2,000g
METAL CASE:W196xH100xT45mm	
Sockets	
14400M 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27
14241M-05	
13 Pieces Set/ $\Delta\wedge$ =2,000g	
METAL CASE:W196xH100xT45mm	
Sockets	
14405M 12-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

14242M	12 Pieces Set/ $\Delta\wedge$ =1,890g
METAL CASE:W310xH90xT48mm	
Sockets	
14400M 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27

14245M-6P	18 Pieces Set/ $\Delta\wedge$ =2,250g
METAL CASE:W310xH90xT48mm	
Sockets	
14400M 6-pt.Sockets	10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27
Accessories	
14760-125	
14770	
1401A, 1402A	
1401B, 1402B	

14245M-12P	18 Pieces Set/ $\Delta\wedge$ =2,250g
METAL CASE:W310xH90xT48mm	
Sockets	
14405M 12-pt. Sockets	10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27
Accessories	
14760-125	
14770	
1401A, 1402A	
1401B, 1402B	

S14240M	14400M 98 Pieces Set/ $\Delta\wedge$ =13,690g
DISPLAY STAND:W510xH150xT230mm	
Sockets	
10mm:8pcs	15mm:7pcs
11mm:8pcs	16mm:7pcs
12mm:8pcs	17mm:7pcs
13mm:8pcs	19mm:7pcs
14mm:8pcs	21mm:7pcs
22mm:6pcs	23mm:6pcs
24mm:6pcs	27mm:5pcs

14207M Socket Set Juego de Vasos



14208M Socket Set Juego de Vasos



14241M Socket Set Juego de Vasos

14241M-05



14242M Socket Set Juego de Vasos



14245M-6P Socket Set Juego de Vasos

14245M-12P



S14240M Display Stand Expositor

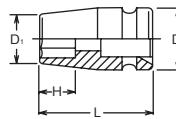


Impact Sockets **5/8"**

15400M  6-point Sockets
Vasos Hexagonales



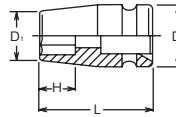
FLAT DRIVE®



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	1	*1

*1 Pin/O-Ring=1500A/B ➔ P255

15400A  6-point Sockets
Vasos Hexagonales



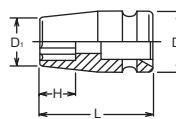
15400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⌚
9/16	24	35	10	47.5	220	5	*1
5/8	26.5	35	11	47.5	225	5	*1
11/16	27.8	35	12	47.5	225	5	*1
3/4	30.3	35	13	47.5	225	5	*1
13/16	32.8	35	15	47.5	225	5	*1
7/8	34	35	15	47.5	225	5	*1
15/16	36.5	35	16	50.5	245	5	*1

*1 Pin/O-Ring=1500A/B ➔ P255

15410M  Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE



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=1500A/B ➔ P255

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



5/8" Impact Sockets

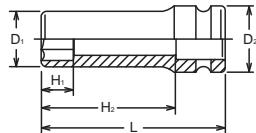
15300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pzs.)	∅
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=1500A/B ➔ P255



15300M

6-point Deep Sockets
Vasos Hexagonales Largos



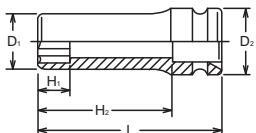
15310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pzs.)	∅
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=1500A/B ➔ P255



15310M

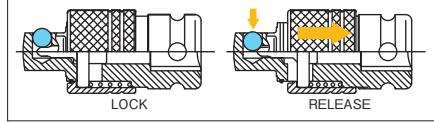
Surface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos



15555AL	L (mm)	⚖️ (g)	📦 (pce.)	∅
	70	310	1	*1

*1 Pin/O-Ring=1500A/B ➔ P255

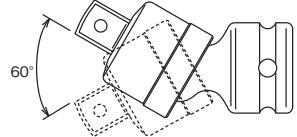
Lock & Quick Release



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

15770	L (mm)	⚖️ (g)	📦 (pce.)	∅
	88	420	1	*1

*1 Pin/O-Ring=1500A/B ➔ P255



15544A	◻ (sq.)	凸 (sq.)	L (mm)	⚖️ (g)	📦 (pce.)	∅
15544A	5/8"	1/2"	46	165	1	*1
15544A-P	5/8"	1/2"	46	165	1	*1

*1 Pin/O-Ring=1500A/B ➔ P255

⚠️ 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.

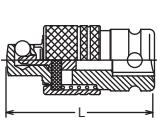
15566A	◻ (sq.)	凸 (sq.)	L (mm)	⚖️ (g)	📦 (pce.)	∅
15566A	5/8"	3/4"	48	200	1	*1

*1 Pin/O-Ring=1500A/B ➔ P255

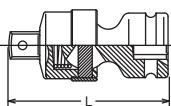


15555AL

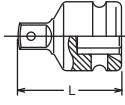
Adaptor (Quick Release)
Adaptador (Extracción Rápida) **⚠️**



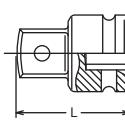
15770 Universal Joint
Articulación Universal



15544A Adapter
Adaptador **⚠️**



15566A Adapter
Adaptador



Z-SERIES
MANUALES

TITANIUM
ACCESORIES
SCREWDRIVERS

IMPACT
SLEEVE-DRIVE

INDUSTRIALES
PROTECTORES

AUTOMOTIVE
CONSTRUCTION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

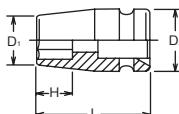
Impact Sockets **3/4"**

Z-SERIES	
HAND MANIACES	TITANIUM DE TITANIO

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

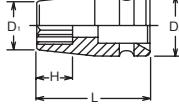
A QR code located in the top right corner of the page, which links to the FLAT DRIVE website.

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

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

16405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⌚
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
36	53.8	44	20	55	498	5	*1
38	56.3	44	20	57	558	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
46	66.3	44	23	62	755	2	*1
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
55	77.5	54	29	62	1056	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B

3/4"

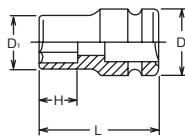
Impact Sockets



16401M • 16401A



6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



16401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	❖ (pcs.)	∅
17	28	43	12	50	300	5	*1
18	29.3	43	13	50	300	5	*1
19	30.5	43	13	50	300	5	*1
20	31.8	43	14	50	302	5	*1
21	33	43	15	50	305	5	*1
22	34.3	43	15	50	310	5	*1
23	35.5	43	16	50	315	5	*1
24	36.8	43	16	50	325	5	*1
25	38	43	16	50	326	5	*1
26	39.3	43	16	50	330	5	*1
27	40.5	43	16	50	340	5	*1
28	41.8	43	16	50	345	5	*1
29	43	43	18	53	355	5	*1
30	44.3	43	18	53	365	5	*1
31	45.5	43	18	53	375	5	*1
32	46.8	43	19	53	385	5	*1
33	48	43	20	55	395	5	*1
34	49.3	43	20	55	420	5	*1
35	50.5	43	20	55	430	5	*1
36	51.8	43	20	55	440	5	*1
37	53	43	20	55	460	2	*1
38	54.3	43	20	57	472	2	*1
40	56.8	43	20	57	525	2	*1
41	58	43	22	57	555	2	*1
42	59.3	43	22	57	565	2	*1
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=1600C, Pin/O-Ring=1601A/B ➔ P254-255

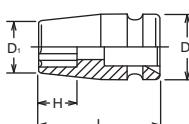
16401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	❖ (pcs.)	∅
11/16	28	43	12	50	300	5	*1
3/4	30.5	43	13	50	300	5	*1
13/16	33	43	15	50	305	5	*1
7/8	34.3	43	15	50	310	5	*1
15/16	36.8	43	16	50	325	5	*1
1	38	43	16	50	326	5	*1
1. 1/16	40.5	43	16	50	340	5	*1
1. 1/8	43	43	18	53	355	5	*1
1. 3/16	44.3	43	18	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=1600C, Pin/O-Ring=1601A/B ➔ P254-255

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

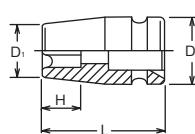
*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

16410M Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



Impact Sockets **3/4"**

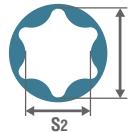
16425  TORX® Sockets
Vasos TORX®



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
New E30	38.8	44	25.2	60	480	5	*1
E32	41.3	44	25.2	60	480	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

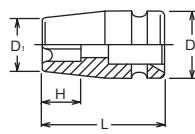
TORX®
(E)



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  TORXPLUS® Sockets
Vasos TORXPLUS®

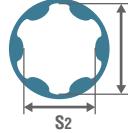
TORXplus®



16425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)	⌚
24EPL	32.5	44	12.2	55	427	5	*1
32EPL	40	44	16.1	62	488	2	*1

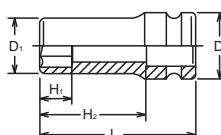
*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

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

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=1600C, Pin/O-Ring=1601A/B ➔ P254-255

TORX® is a registered trademark of Acument Intellectual Properties, LLC.

TORX® es una marca registrada de Acument Intellectual Properties, LLC.

TORXplus® is a registered trademark of Acument Intellectual Properties, LLC.

TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

3/4"

Impact Sockets

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

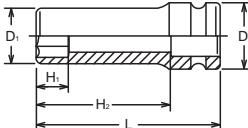
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



16300M • 16300A

6-point Sockets, Deep
Vasos Hexagonales Largos



16300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	∅ (pcs.)	∅ (mm)
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
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=1600C, Pin/O-Ring=1601A/B

→P254-255

*2 C-Ring=1801C, Pin/O-Ring=1602A/B

16300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	∅ (pcs.)	∅ (mm)
3/4	32.5	44	19	74	100	655	2	*1
13/16	35	44	21	74	100	700	2	*1
7/8	36.3	44	22	74	100	700	2	*1
15/16	38.8	44	24	74	100	705	2	*1
1	40	44	25	74	100	715	2	*1
1. 1/16	42.5	44	27	73	100	765	2	*1
1. 1/8	45	44	29	73	100	835	2	*1
1. 3/16	46.3	44	30	73	100	840	2	*1
1. 1/4	48.8	44	32	72	100	875	2	*1
1. 5/16	51.3	44	34	72	100	950	2	*1
1. 3/8	52.5	44	35	71	100	980	2	*1
1. 7/16	55	44	37	71	100	970	2	*1
1. 1/2	56.3	44	38	70	100	990	2	*1
1. 9/16	58.8	44	38	70	100	1060	2	*1
1. 5/8	60	44	38	69	100	1120	2	*1
1.11/16	62.5	44	38	69	100	1200	2	*1
1. 3/4	65	44	38	68	100	1284	2	*1
1.13/16	66.3	44	38	68	100	1305	2	*1
1. 7/8	68.8	54	38	67	100	1561	2	*2
2	72.5	54	60	—	100	1516	2	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B

→P254-255

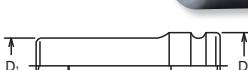
*2 C-Ring=1801C, Pin/O-Ring=1602A/B

16301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	∅ (pcs.)	∅ (mm)
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=1600C, Pin/O-Ring=1601A/B

→P254-255

*2 C-Ring=1801C, Pin/O-Ring=1602A/B



16301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	∅ (pcs.)	∅ (mm)
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=1600C, Pin/O-Ring=1601A/B

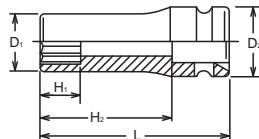
→P254-255

Impact Sockets **3/4"**

16305M



12-point Sockets, Deep
Vasos Bihexagonales Largos



16305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)	∅
14	26.3	44	14	74	100	500	2	*1
16	28.8	44	16	74	100	522	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	600	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	715	2	*1
26	41.3	44	26	74	100	760	2	*1
27	42.5	44	27	73	100	765	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
38	56.3	44	38	70	100	990	2	*1
41	60	44	38	69	100	1120	2	*1
46	66.3	44	38	68	100	1305	2	*1
50	71.3	54	61	—	100	1469	2	*2

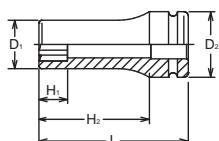
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P254-255

*2 C-Ring=1801C, Pin/O-Ring=1602A/B

16310M



Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos



SURFACE DRIVE

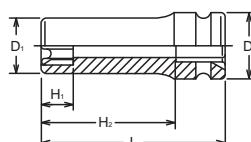
16310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)	∅
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
24	38.8	44	24	74	100	705	2	*1
27	42.5	44	27	73	100	710	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=1600C, Pin/O-Ring=1601A/B → P254-255

16325



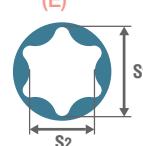
TORX® Deep Sockets
Vasos TORX® Largos



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=1600C, Pin/O-Ring=1601A/B → P254-255

**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)	$\ddot{\text{g}}$ (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

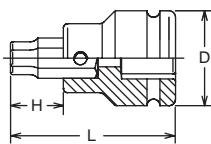
16106.16 (inch)	D (mm)	H (mm)	L (mm)	$\ddot{\text{g}}$ (g)	(pcs.)	⊕
1/2	44	24	76	426	2	*1
9/16	44	24	76	430	2	*1
5/8	44	24	76	439	2	*1
3/4	44	24	76	450	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

16106-16



Hex Bit Sockets
Vasos con Punta Hexagonal



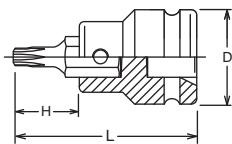
16106.16 (T)	D (mm)	H (mm)	L (mm)	$\ddot{\text{g}}$ (g)	(pcs.)	⊕
New T55	44	34	86	427	2	*1
New T60	44	34	86	434	2	*1
New T70	44	34	86	443	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

16106-16(T)



TORX® Bit Sockets
Vasos con Punta TORX®



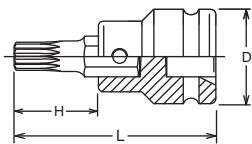
16106.16 (XZN)	D (mm)	H (mm)	L (mm)	$\ddot{\text{g}}$ (g)	(pcs.)	⊕
New M14	44	44	96	453	2	*1
New M16	44	44	96	463	2	*1
New M18	44	44	96	473	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

16106-16(XZN)



XZN Bit Sockets
Vasos con Punta XZN



16106	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	$\ddot{\text{g}}$ (g)	(pcs.)	⊕
16106	32	44	16	52	370	2	*1

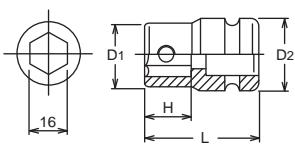
*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

Replacement Screw : M6x10, 3mm

16106



Bit Holder, For 107-16
Porta Punta



Z-SERIES
MANUALES

HAND
TIANUM
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES
PROTECTOR
PROTECTORES

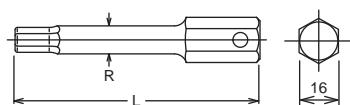
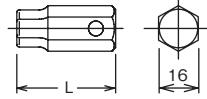
AUTOMOTIVE
CONSTRUCTION
RENWAL KITS
JUEGOS DE PIEZAS REPUESTO

Impact Sockets **3/4"**

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

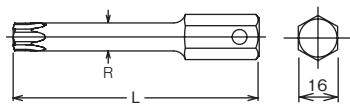
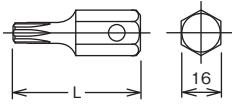
107.16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	122	10
12	100	15	146	10
14	100	—	166	10
17	100	—	193	10
19	100	—	232	10
22	100	—	254	10

107-16 (T)



TORX® Bits
Puntas TORX®



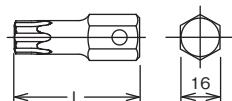
107.16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T55	100	11.4	108	10
T60	100	13.4	130	10
T70	100	15.7	159	10

107-16 (IP)



TORXPLUS® Bits
Puntas TORXPLUS®

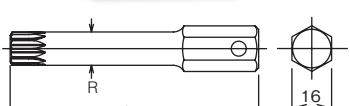
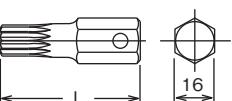


107.16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

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	131	10
M16	100	15.8	161	10
M18	100	17.1	177	10

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

CONSTRUCTION
CONSTRUCCIÓN

Koken
KOKEN

TOOL CO., LTD.

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3/4"

Impact Sockets

16107.22 (mm)	D (mm)	H (mm)	L (mm)	$\ddot{\text{g}}$ (g)	\diamond (pzs.)	\odot
19	44	28	88	670	2	*1
22	44	28	88	692	2	*1
24	44	28	88	706	2	*1
27	44	28	88	730	2	*1
30	44	28	88	757	2	*1
32	44	28	93	783	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255



16107	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	$\ddot{\text{g}}$ (g)	\diamond (pzs.)	\odot
16107	44	44	22	60	530	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255



Replacement Screw : M8x14, 4mm

16107-22



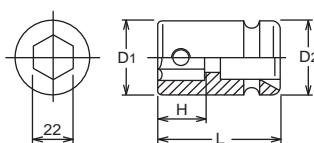
Hex Bit Sockets
Vasos con Punta Hexagonal



16107



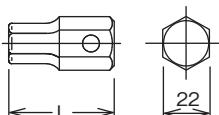
Bit Holder
Porta Punta



107-22



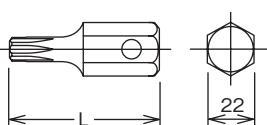
Bits for Inhex Screws
Puntas para Tornillos Inhex



107-22 (T)

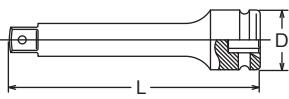


TORX® Bits
Puntas TORX®



16760

Extension Bars
Alargaderas



16760	D (mm)	L (mm)	$\ddot{\text{g}}$ (g)	\diamond (pzs.)	\odot
150	44	150	775	1	*1
175	44	175	870	1	*1
200	44	200	955	1	*1
250	44	250	1150	1	*1
330	44	330	1460	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

Impact Sockets **3/4"**

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

16666AL

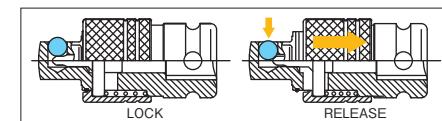
Adaptor (Quick Release)
Adaptador (Extracción Rápida)



	L (mm)	(g)	(pce.)	Ø
16666AL	75	660	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

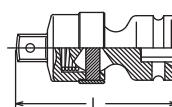
Lock & Quick Release



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

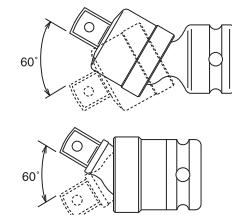
16770

Universal Joint
Articulación Universal



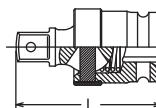
	L (mm)	(g)	(pce.)	Ø
16770	106	790	1	*1
16771	95	720	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255



16771

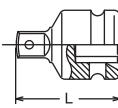
Universal Joint
Articulación Universal



16644A • 16655A

Adaptors
Adaptadores

No Warranty
Sin Garantía



	□ (sq.)	□ (sq.)	L (mm)	(g)	(pce.)	Ø
16644A	3/4"	1/2"	54	310	5	*1
16644A-B	3/4"	1/2"	54	310	5	*1
16644A-P	3/4"	1/2"	54	310	5	*1



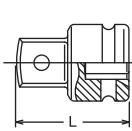
	□ (sq.)	□ (sq.)	L (mm)	(g)	(pce.)	Ø
16655A	3/4"	5/8"	55.5	336	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

⚠ Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.

16688A

Adaptor
Adaptador



	□ (sq.)	□ (sq.)	L (mm)	(g)	(pce.)	Ø
16688A	3/4"	1"	62	435	1	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

16688A-250 • -330

Adaptors
Adaptadores



3/4" Impact Sockets

16201M • 16201A

Socket Sets
Juegos de Vasos



16201M	13 Pieces Set/ Δ =6,800g
METAL CASE:W320xH110xT70mm	
Sockets	
16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A	11 Pieces Set/ Δ =6,000g
METAL CASE:W290xH120xT70mm	
Sockets	
16400A 6-pt. Sockets 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	



16201M-01 • 16201A-01

Socket Sets
Juegos de Vasos



16201M-01	13 Pieces Set/ Δ =6,000g
METAL CASE:W320xH110xT70mm	
Sockets	
16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-01	11 Pieces Set/ Δ =5,400g
METAL CASE:W290xH120xT70mm	
Sockets	
16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16245M Socket Sets
Juegos de Vasos



16245M	17 Pieces Set/ Δ =12,000g
METAL CASE:W590xH227xT72mm	
Sockets	Accessories
16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	16760-175 16760-330

Z-SERIES
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Impact Sockets 1"

18400M • 18400A



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

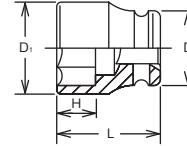
CONSTRUCTION

JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

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	600	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
39	60.3	54	25	66	820	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	54	36	70	997	2	*1
48	71.5	54	35	70	990	2	*1
49	72.8	54	36	70	1020	2	*1
50	74	54	35	70	1065	2	*1
51	75.3	54	36	70	1100	2	*1
52	76.5	54	40	75	1185	2	*1
54	79	54	40	75	1252	2	*1
55	80.3	54	39	75	1260	2	*1
56	81.5	54	39	75	1277	2	*1
57	82.8	54	40	75	1300	2	*1
58	84	54	39	75	1340	2	*1
60	86.5	54	39	75	1400	2	*1
62	89	54	38	75	1410	2	*1
63	90.3	54	38	75	1383	2	*1
64	91.5	54	37	75	1580	2	*1
65	92.8	54	38	75	1630	2	*1
66	94	54	36	75	1580	2	*1
67	95.3	54	38	75	1580	2	*1
68	96.5	54	37	75	1583	1	*1
70	99	54	37	75	1625	1	*1
74	104	86	38	80	2650	1	*2
75	105.3	86	37	80	2675	1	*2
77	107.8	86	37	80	2890	1	*2
78	109	86	42	85	2900	1	*2
80	111.5	86	41	85	2996	1	*2
85	117.8	86	37	90	3378	1	*2
90	124	86	40	95	3871	1	*2
95	130.3	86	43	100	4500	1	*2
100	136.5	86	47	105	5000	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P254-255

*2 C-Ring=1802C, Pin/O-Ring=1802A/B



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	54	35	70	990	2	*1
1.15/16	72.8	54	35	70	1000	2	*1
2	75.3	54	35	70	1060	2	*1
2. 1/16	76.5	54	40	75	1185	2	*1
2. 1/8	79	54	40	75	1252	2	*1
2. 3/16	80.3	54	39	75	1260	2	*1
2. 1/4	82.8	54	39	75	1337	2	*1
2. 5/16	84	54	39	75	1340	2	*1
2. 3/8	86.5	54	39	75	1400	2	*1
2. 7/16	89	54	38	75	1410	2	*1
2. 1/2	91.5	54	38	75	1498	2	*1
2. 9/16	92.8	54	38	75	1630	2	*1
2. 5/8	95.3	54	38	75	1580	2	*1
2.11/16	96.5	54	37	75	1583	1	*1
2. 3/4	99	54	37	75	1625	1	*1
2.13/16	101.5	86	37	80	2705	1	*2
2. 7/8	102.8	86	38	80	2629	1	*2
2.15/16	105.3	86	37	80	2675	1	*2
3	106.5	86	37	80	2705	1	*2
3. 1/16	109	86	42	85	2967	1	*2
3. 1/8	111.5	86	41	85	2996	1	*2
3. 1/4	115.3	86	44	90	3328	1	*2
3. 3/8	119	86	36	90	3389	1	*2
3. 1/2	124	86	40	95	3871	1	*2
3. 3/4	130.3	86	43	100	4377	1	*2
3. 7/8	135.3	86	47	105	5000	1	*2
4	137.8	86	46	105	5152	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P254-255

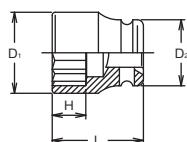
*2 C-Ring=1802C, Pin/O-Ring=1802A/B

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	627	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	54	35	70	1021	2	*1
55	80.3	54	39	75	1234	2	*1
56	81.5	54	39	75	1250	2	*1
60	86.5	54	39	75	1400	2	*1
65	92.8	54	38	75	1600	2	*1
70	99	54	37	75	1625	1	*1
75	105.3	86	37	80	2675	1	*2
80	111.5	86	41	85	2996	1	*2



*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

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	54	35	70	1000	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

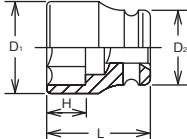
18401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	∅
17	29.8	53	12	57	481	2	*1
18	31	53	13	57	488	2	*1
19	32.3	53	13	57	492	2	*1
20	33.5	53	14	57	505	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
26	41	53	16	57	533	2	*1
27	42.3	53	16	57	540	2	*1
29	44.8	53	18	57	560	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
40	58.5	53	25	66	725	2	*1
41	59.8	53	25	66	740	2	*1
42	61	53	25	66	803	2	*1
43	62.3	53	27	68	835	2	*1
45	64.8	53	27	68	888	2	*1
46	66	53	29	70	900	2	*1
47	67.3	53	36	70	915	2	*1
50	71	53	35	70	940	2	*1



18401M • 18401A



6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

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=1801C, Pin/O-Ring=1801A/B ➔ P254-255

Impact Sockets 1"

HAND
MANUALES

ACCESSORIES
ACCESORIOS

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

PROTECTOR
PROTECTORES

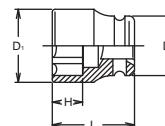
AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

18410M



Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



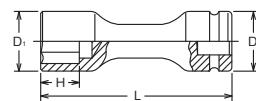
18410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)	Ø (mm)
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	627	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
36	56.5	54	21	62	712	2	*1
41	62.8	54	25	66	850	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

18104M



Extra Long Sockets
Vasos Extra-Largos



18104M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	Ø (mm)
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
28	46.5	54	28	170	1390	1	*1
30	49	54	30	170	1407	1	*1
32	51.5	54	32	170	1537	1	*1
33	52.8	54	33	170	1590	1	*1
34	54	54	34	170	1670	1	*1
36	56.5	54	36	170	1800	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255



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	53	55	—	85	1220	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P254-255



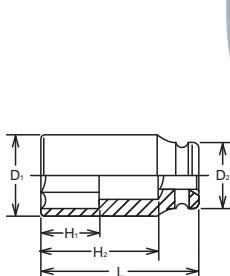
18301X



6-point Semi-Deep Sockets, Thin Walled
Vasos Hexagonales Medianos de Pared Delgada



FLAT DRIVE®

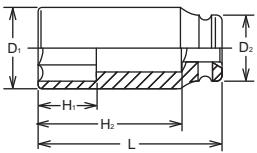


*2 C-Ring=1802C, Pin/O-Ring=1802A/B → P254-255

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	1000	2	*1
19	35.3	54	19	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	26	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	54	67	—	108	1500	2	*1
50	74	54	66	—	108	1650	2	*1
52	76.5	54	65	—	108	1770	2	*1
55	80.3	54	63	—	108	1855	2	*1
60	86.5	54	60	—	108	2047	2	*1
65	92.8	54	58	—	108	2310	2	*2
70	99	54	55	—	108	2440	1	*1
75	105.3	86	52	—	108	3646	1	*2
80	111.5	86	49	—	108	4039	1	*2
85	117.8	86	59	—	108	4000	1	*2
90	124	86	57	—	108	4200	1	*2
95	130.3	86	55	—	108	4400	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P254-255

*2 C-Ring=1802C, Pin/O-Ring=1802A/B → P254-255

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	—	108	1060	2	*1
1	42.8	54	25	—	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	—	108	1200	2	*1
1. 5/16	54	54	34	—	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	—	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	54	67	—	108	1500	2	*1
1.15/16	72.8	54	67	—	108	1570	2	*1
2	75.3	54	66	—	108	1605	2	*1
2. 1/16	76.5	54	65	—	108	1770	2	*1
2. 1/8	79	54	64	—	108	1812	2	*1
2. 3/16	80.3	54	63	—	108	1855	2	*1
2. 1/4	82.8	54	62	—	108	1916	2	*1
2. 5/16	84	54	61	—	108	1987	2	*1
2. 3/8	86.5	54	60	—	108	2047	2	*1
2. 7/16	89	54	59	—	108	2041	2	*1
2. 1/2	91.5	54	58	—	108	2250	2	*1
2. 9/16	92.8	54	58	—	108	2310	2	*1
2. 5/8	95.3	54	56	—	108	2370	1	*1
2. 3/4	99	54	55	—	108	2440	1	*1
2. 7/8	102.8	86	53	—	108	3600	1	*2
2.15/16	105.3	86	52	—	108	3646	1	*2
3	106.5	86	51	—	108	3677	1	*2
3. 1/16	109	86	50	—	108	3939	1	*2
3. 1/8	111.5	86	49	—	108	4039	1	*2
3. 3/16	112.8	86	48	—	108	4170	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P254-255

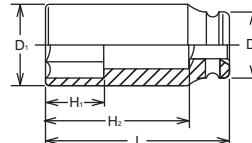
*2 C-Ring=1802C, Pin/O-Ring=1802A/B → P254-255

Impact Sockets 1"

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIO

18301M • 18301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada

18301M (mm)	SCREWDRIVERS DESTORNILLADORES		ACCESSORIES ACCESORIOS		TITANIUM DE TITANIO		DIN
	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	Δ ² (g)	
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
42	61	53	38	75	108	1245	2 *1
43	62.3	53	38	74	108	1400	2 *1
46	66	53	38	74	108	1400	2 *1
50	71	53	38	—	108	1435	2 *1
55	77.3	53	62	—	108	1735	2 *1
60	83.5	53	59	—	108	1985	2 *1
65	89.8	53	56	—	108	2090	2 *1
70	96	53	55	—	108	2310	1 *1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

18301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	Δ ² (g)	(pzs.)	DIN
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. 7/16	54.8	53	37	76	108	1000	2 *1	
1. 1/2	56	53	38	76	108	1025	2 *1	
1. 9/16	58.5	53	38	75	108	1200	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	1360	2 *1	
1.13/16	66	53	38	74	108	1400	2 *1	

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

18310M

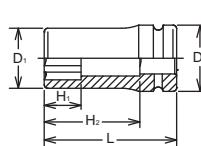
Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos

18310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	Δ ² (g)	(pzs.)	DIN
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=1801C, Pin/O-Ring=1801A/B ➔ P254-255



SURFACE DRIVE

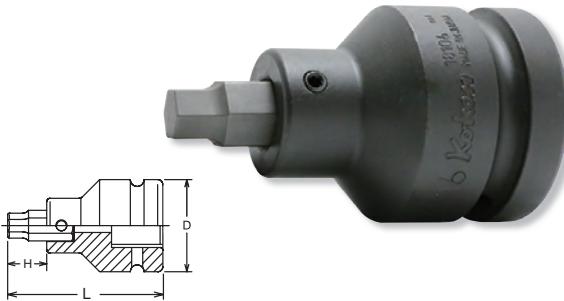


18106.16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	54	24	92	686	2	*1
12	54	24	92	692	2	*1
13	54	24	92	696	2	*1
14	54	24	92	700	2	*1
16	54	24	92	709	2	*1
17	54	24	92	713	2	*1
18	54	24	92	718	2	*1
19	54	24	92	764	2	*1
22	54	24	92	781	2	*1

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=1801C, Pin/O-Ring=1801A/B P254-255

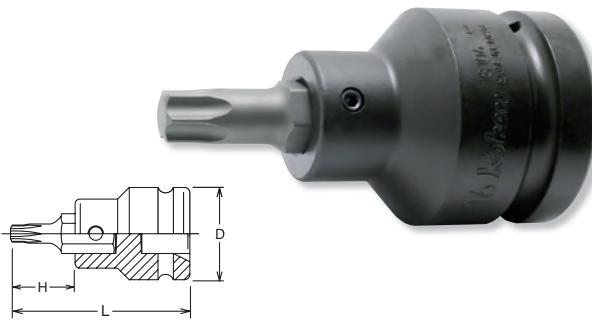
18106-16 Hex Bit Sockets
Vasos con Punta Hexagonal



18106.16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New T55	54	34	102	697	2	*1
New T60	54	34	102	704	2	*1
New T70	54	34	102	713	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P254-255

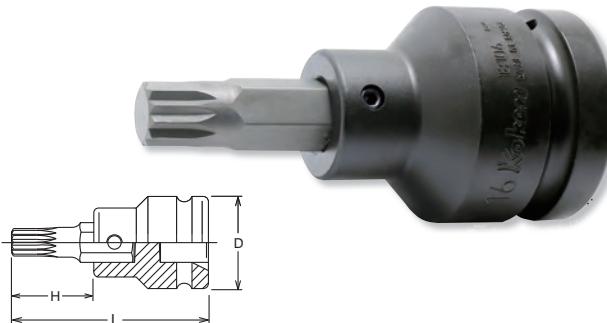
18106-16(T) TORX® Bit Sockets
Vasos con Punta TORX®



18106.16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New M14	54	44	112	723	2	*1
New M16	54	44	112	733	2	*1
New M18	54	44	112	743	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P254-255

18106-16(XZN) XZN Bit Sockets
Vasos con Punta XZN

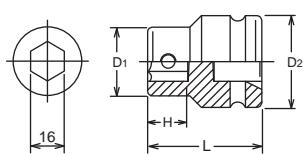


18106	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18106	32	54	16	68	640	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P254-255

Replacement Screw : M6x10, 3mm

18106 Bit Holder
Porta Punta



Impact Sockets 1"

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

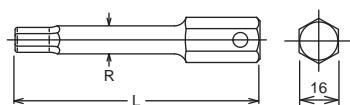
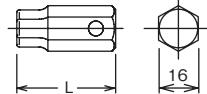
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL 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

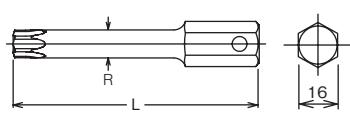
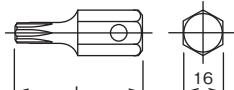
107.16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	122	10
12	100	15	146	10
14	100	—	166	10
17	100	—	193	10
19	100	—	232	10
22	100	—	254	10

107-16 (T)



TORX® Bits
Puntas TORX®



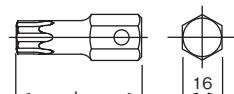
107.16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T55	100	11.4	108	10
T60	100	13.4	130	10
T70	100	15.7	159	10

107-16 (IP)



TORXPLUS® Bits
Puntas TORXPLUS®

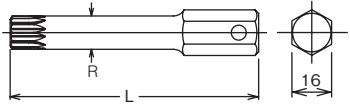
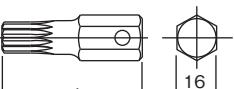


107.16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

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	131	10
M16	100	15.8	161	10
M18	100	17.1	177	10

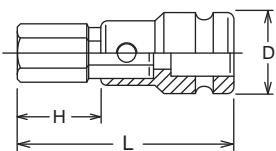
18107.22 (mm)	D (mm)	H (mm)	L (mm)	$\Delta\ddot{\Delta}$ (g)	\diamond (pcs.)	\odot
19	54	28	98	910	2	*1
22	54	28	98	932	2	*1
24	54	28	98	946	2	*1
27	54	28	98	986	2	*1
30	54	28	98	1008	2	*1
32	54	28	103	1029	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

18107-22



Hex Bit Sockets
Vasos con Punta Hexagonal



18107	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	$\Delta\ddot{\Delta}$ (g)	\diamond (pcs.)	\odot
18107	44	54	22	70	770	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

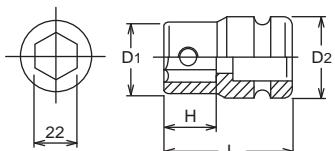


Replacement Screw : M8x14, 4mm

18107



Bit Holder
Porta Punta



107.22 (mm)	L (mm)	$\Delta\ddot{\Delta}$ (g)	\diamond (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

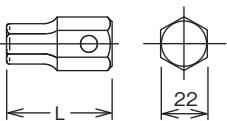
107.22 (inch)	L (mm)	$\Delta\ddot{\Delta}$ (g)	\diamond (pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1. 1/4	55	243	10

107.22 (T)	L (mm)	$\Delta\ddot{\Delta}$ (g)	\diamond (pcs.)
New T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107-22



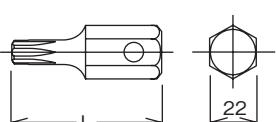
Bits for Inhex Screws
Puntas para Tornillos Inhex



107-22 (T)



TORX® Bits
Puntas TORX®



Impact Sockets 1"

18760 Extension Bars

Alargaderas

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES

ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL

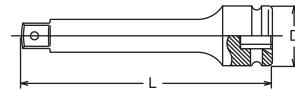
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION

RENEWAL KITS

JUEGOS DE PIEZAS REPUESTO

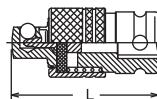


18760	D (mm)	L (mm)	$\frac{g}{\text{kg}}$	(pce.)	\odot
175	54	175	1400	1	*1
200	54	200	1580	1	*1
250	54	250	1885	1	*1
330	54	330	2380	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P254-255

18888AL

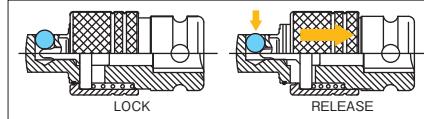
Adaptor (Quick Release)
Adaptador (Extracción Rápida)



18888AL	L (mm)	$\frac{g}{\text{kg}}$	(pce.)	\odot
95	980	2	*1	

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P254-255

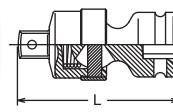
Lock & Quick Release



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

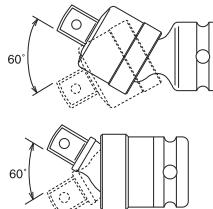
18770

Universal Joint
Articulación Universal



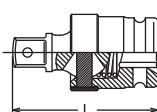
18770	L (mm)	$\frac{g}{\text{kg}}$	(pce.)	\odot
18771	127	1350	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P254-255



18771

Universal Joint
Articulación Universal



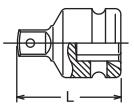
18866A Adapters
Adaptadores No Warranty
Sin Garantía 

18866A-200 

	□ (sq.)	凸 (sq.)	L (mm)	Δ (g)	(pce.)	Ø
18866A	1"	3/4"	67	580	1	*1
18866A-200	1"	3/4"	200	1100	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B 

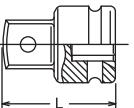
 Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.



18877A Adapter
Adaptador

	□ (sq.)	凸 (sq.)	L (mm)	Δ (g)	(pce.)	Ø
18877A	1"	1.1/2"	80	935	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B 



Impact Sockets 1-1/2"

17400M • 17400A  6-point Sockets
Vasos Hexagonales

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

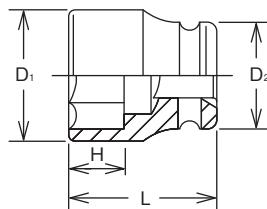
INDUSTRIAL

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION

JUEGOS DE PIEZAS REPUESTO



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
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
6	205	127	88	165	16500	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B

*2 Pin/O-Ring=1702A/B

►P254-255

1-1/2" Impact Sockets

17405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (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

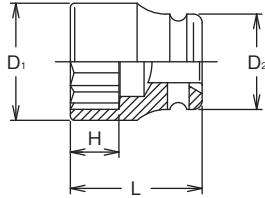
17405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	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
2.15/16	108	86	56	105	3700	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P254-255
*2 Pin/O-Ring=1702A/B

17405M • 17405A



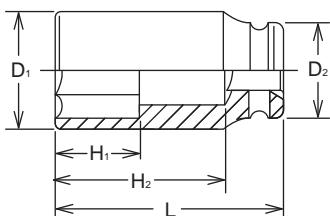
12-point Sockets
Vasos Bihexagonales



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)	胸怀 (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

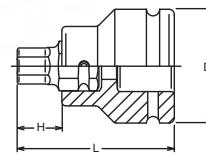
*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P254-255
*2 Pin/O-Ring=1702A/B

17300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖ (g)	胸怀 (pce.)	∅
1. 5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1. 3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1. 7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	1	*1
2. 1/16	82	86	30	90.5	135	4030	1	*1
2. 1/8	84	86	30	90.5	135	4160	1	*1
2. 3/16	85	86	33	90.5	135	4200	1	*1
2. 1/4	87	86	33	90.5	135	4160	1	*1
2. 3/8	91	86	35	90.5	135	4370	1	*1
2. 7/16	93	86	35	90.5	135	4490	1	*1
2. 1/2	96	86	35	90.5	135	4630	1	*1
2. 9/16	97	86	38	99.5	145	5260	1	*1
2. 5/8	100	86	38	99.5	145	5320	1	*1
2.11/16	101	86	38	99.5	145	5670	1	*1
2. 3/4	103	86	40	98.5	145	5780	1	*1
2.13/16	105	86	40	98.5	145	6000	1	*1
2. 7/8	106	86	40	98.5	145	6080	1	*1
2.15/16	108	86	42	107.5	155	6580	1	*1
3	108	86	42	107.5	155	6850	1	*1
3. 1/8	115	86	46	115.5	165	7740	1	*1
3. 3/4	135	127	55	121.5	175	12200	1	*2
3. 7/8	140	127	56	120.5	175	11080	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P254-255
*2 Pin/O-Ring=1702A/B

Impact Sockets 1-1/2"

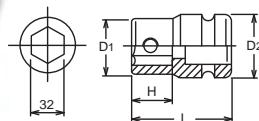
17108-32 Hex Bit Sockets
Vasos con Punta Hexagonal



17108.32 (mm)	D (mm)	H (mm)	L (mm)		(g)		(pce.)	
19	86	30	115	2500	1		*1	
22	86	30	115	2520	1		*1	
24	86	30	115	2530	1		*1	
27	86	30	115	2560	1		*1	
30	86	30	115	2590	1		*1	
32	86	30	115	2610	1		*1	
36	86	30	115	2660	1		*1	

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➔ P254-255

17108 Bit Holder, For 107-32
Porta Punta

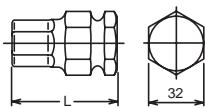


17108	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pce.)	
17108	60	86	30	85	2200	1		*1	

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➔ P254-255

Replacement Screw : M8x14, ● 4mm

107-32 Bit for Inhex Screws
Puntas para Tornillos Inhex



107.32 (mm)	L (mm)		(g)		(pce.)
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



1-1/2" Impact Sockets

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
INDUSTRIALESINDUSTRIAL
PROTECTORESAUTOMOTIVE
CONSTRUCTION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

	D (mm)	L (mm)	 (g)	 (pce.)	
17760	86	175	3300	1	*1
175	86	250	4500	1	*1
250	86	330	5200	1	*1
330	86				

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➔ P254-255

17760 Extension Bars
Alargaderas



	L (mm)	 (g)	 (pce.)	
17770	200	4700	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➔ P254-255

17770 Universal Joint
Articulación Universal



	 (sq.)	 (sq.)	L (mm)	 (g)	 (pce.)	
17788A	1 1/2"	1"	98	2600	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➔ P254-255

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.

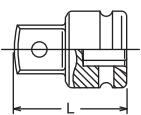
17788A Adaptor
Adaptador

No Warranty
Sin Garantía 

	 (sq.)	 (sq.)	L (mm)	 (g)	 (pce.)	
17799A	1 1/2"	2 1/2"	115	3790	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➔ P254-255

17799A Adaptor
Adaptador



Impact Sockets 2-1/2"

19400M • 19400A  6-point Sockets
Vasos Hexagonales

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

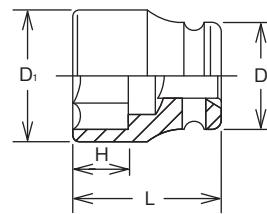
INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION

JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN



FLAT DRIVE®

19400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pce.)	∅
50	88	127	39	115	7270	1	*1
55	94	127	42	115	7350	1	*1
60	100	127	45	125	7870	1	*1
65	105	127	48	125	7790	1	*1
70	110	127	51	125	7640	1	*1
75	118	127	54	125	7740	1	*1
80	124	127	57	125	7640	1	*1
85	127	127	61	132	7840	1	*1
90	135	127	64	132	8500	1	*1
95	140	127	71	140	10160	1	*1
100	146	127	71	142	11500	1	*1
105	155	127	74	146	11350	1	*1
110	160	127	76	155	12710	1	*1
115	167	127	78	158	13980	1	*1
120	175	175	79	160	15430	1	*2
125	180	175	82	165	16590	1	*2
130	185	175	85	169	17590	1	*2
135	190	175	89	175	19030	1	*2
140	200	175	93	180	21810	1	*2
145	205	175	95	183	24440	1	*2
150	210	175	97	192	25720	1	*2
160	225	175	102	200	30920	1	*2
165	230	175	105	204	32610	1	*2
170	235	175	106	207	34390	1	*2
175	240	175	109	211	36210	1	*2
180	250	175	110	214	40630	1	*2
185	255	175	113	218	42690	1	*2
190	265	175	113	220	47440	1	*2
200	275	175	116	225	51550	1	*2
210	285	175	123	235	57170	1	*2
215	290	175	126	240	60260	1	*2
225	305	175	133	250	70180	1	*2
235	315	175	140	260	77060	1	*2

19400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pce.)	∅
2. 1/8	92	127	41	115	6665	1	*1
2. 3/8	100	127	45	125	7870	1	*1
2. 7/16	102	127	46	125	7840	1	*1
2. 1/2	103	127	47	125	7810	1	*1
2. 9/16	105	127	48	125	7790	1	*1
2. 5/8	107	127	49	125	7790	1	*1
2.11/16	108	127	50	125	7790	1	*1
2. 3/4	110	127	51	125	7640	1	*1
2.13/16	113	127	52	125	7690	1	*1
2. 7/8	115	127	53	125	7730	1	*1
2.15/16	118	127	54	125	7740	1	*1
3	120	127	55	125	7740	1	*1
3. 1/8	124	127	57	125	7640	1	*1
3. 1/4	125	127	59	125	7740	1	*1
3. 3/8	127	127	61	132	7840	1	*1
3. 1/2	135	127	64	132	8500	1	*1
3. 5/8	138	127	64	132	9330	1	*1
3. 3/4	140	127	71	140	10160	1	*1
3. 7/8	143	127	70	140	10830	1	*1
4	146	127	71	142	11500	1	*1
4. 1/8	155	127	70	142	11250	1	*1
4. 1/4	160	127	76	155	12710	1	*1
4. 3/8	163	127	76	155	13100	1	*1
4. 1/2	167	127	78	158	13980	1	*1
4. 5/8	175	175	79	160	15430	1	*2
4. 7/8	180	175	82	165	16590	1	*2
5	183	175	81	165	17090	1	*2
5. 1/4	190	175	89	175	19030	1	*2
5. 3/8	198	175	94	180	20880	1	*2
5. 1/2	200	175	93	180	21810	1	*2
5. 5/8	203	175	94	182	22480	1	*2
5. 3/4	207	175	103	192	24440	1	*2
6	217	175	100	196	28510	1	*2
6. 1/8	218	175	99	196	29720	1	*2
6. 5/8	233	175	105	205	33500	1	*2
7	248	175	110	213	39160	1	*2

*1 Pin/O-Ring=1901A/B

*2 Pin/O-Ring=1902A/B

P255

2-1/2" Impact Sockets

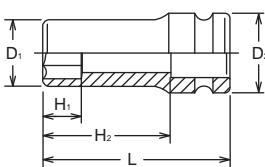
19300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	Weight (g)	Qty. (pce.)	Symbol
75	118	127	42	129	190	11930	1	*1
80	124	127	46	129	190	12280	1	*1
85	127	127	49	134	195	12480	1	*1
90	135	127	52	144	205	14000	1	*1
95	140	127	55	149	210	14630	1	*1
100	146	127	58	154	215	15520	1	*1
105	155	127	62	146.5	220	18250	1	*1
110	160	127	65	150.5	225	18740	1	*1
115	167	127	68	153.5	230	20940	1	*1
120	175	175	72	157.5	235	23530	1	*2
125	180	175	74	158.5	238	26110	1	*2
130	185	175	76	163.5	243	25320	1	*2
135	190	175	80	165.5	248	26290	1	*2
140	200	175	82	164.5	248	28940	1	*2
145	205	175	84	163.5	248	29520	1	*2
150	210	175	88	168.5	255	30600	1	*2
155	215	175	92	167.5	255	31680	1	*2
160	225	175	95	170.5	260	35560	1	*2
165	230	175	98	169.5	260	36040	1	*2
170	235	175	100	172.5	265	37230	1	*2
175	240	175	102	176.5	270	39420	1	*2

*1 Pin/O-Ring=1901A/B → P255
*2 Pin/O-Ring=1902A/B

19300M



6-point Deep Sockets
Vasos Hexagonales Largos



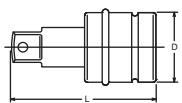
19760

Extension Bars
Alargaderas



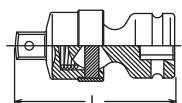
19760	D (mm)	L (mm)	Weight (g)	Qty. (pce.)	Symbol
250	127	250	17800	1	*1
500	127	500	27800	1	*1

*1 Pin/O-Ring=1901A/B → P255



19770	L (mm)	Weight (g)	Qty. (pce.)	Symbol
	303	21360	1	*1

*1 Pin/O-Ring=1901A/B → P255



19770

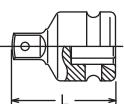
Universal Joint
Articulación Universal



19977A	□ (sq.)	凸 (sq.)	L (mm)	Weight (g)	Qty. (pce.)	Symbol
19977A	2.1/2"	1.1/2"	145	7210	1	*1

*1 Pin/O-Ring=1901A/B → P255

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.



19977A

Adaptor
Adaptador

No Warranty
Sin Garantía



Z-SERIES
MANUALES

TITANIUM
ACCESORIES
ACCESSORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORS
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN
RENWAL KITS
JUEGOS DE PIEZAS REPUESTO

Impact Sockets 3-1/2"

10400M • 10400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL

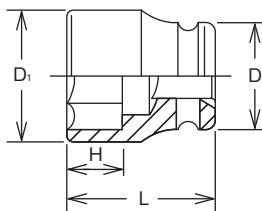
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

JUEGOS DE PIEZAS REPUESTO



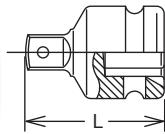
10400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pce.)	∅
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*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=2001A/B ➔ P255
*2 Pin/O-Ring=2002A/B ➔ P255

10099A

Adaptor
Adaptador No Warranty
Sin Garantía



10099A	寸 (sq.)	寸 (sq.)	L (mm)	⚖️ (g)	📦 (pce.)	∅
10099A	3.1/2"	2.1/2"	182	16870	1	*1

*1 Pin/O-Ring=2001A/B ➔ P255

⚠️ 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"



Sleeve Drive Sockets

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

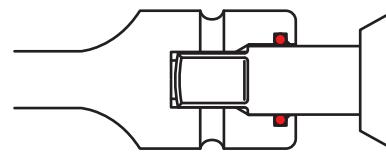
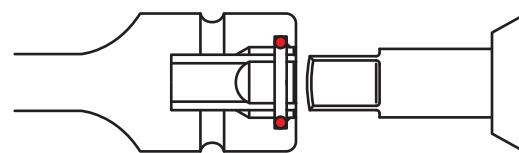
El extremo de accionamiento alargado de las herramientas con **casquillo conductor** evita la unión a veces "holgada" entre la herramienta de percusión-alargadera-vaso. Una junta tórica en el interior del **casquillo conductor** optimiza el ajuste perfecto de las alargaderas y los vasos en el elemento de accionamiento lo que se traduce en la mejora de la exactitud del par requerido suministrado por la herramienta de percusión.

Sleeve Drive Sockets

Wrenches

O-Ring

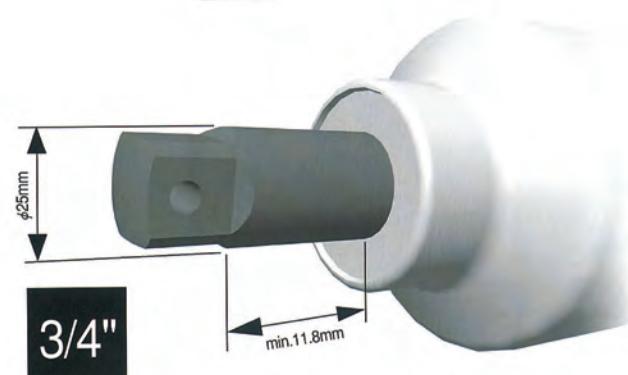
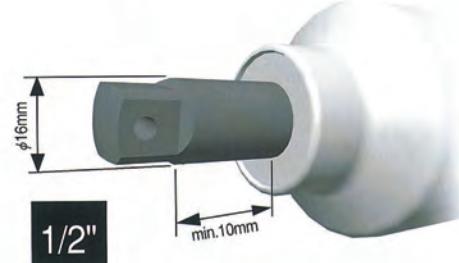
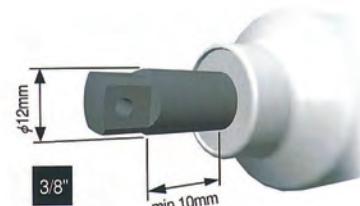
SLEEVE DRIVE SOCKET PULSE TOOL



The "**Sleeve Drive**" Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

Los Vasos y accesorios con Casquillo Conductor se han diseñado para su utilización con Herramientas de Percusión con elementos de accionamiento de cierta longitud y diámetro como se muestra a continuación.

	Anvil Diameter (mm)	Minimum Anvil Length (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8



3/8"

Sleeve Drive Sockets

NV13400 New	(mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)	Ø
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=1301C, Pin/O-Ring=1301A/B

→ P254-255

*2 C-Ring=1302C, Pin/O-Ring=1302A/B

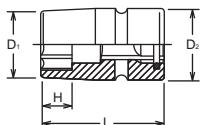


FLAT DRIVE®

NV13400



6-point Sockets
Vasos Hexagonales



NV1345.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)	Ø
6	13	19	6	100	108	10	*1
8	13	19	8	100	110	10	*1
10	15.5	19	10	100	112	10	*1
12	18	19	12	100	120	10	*1
13	19	19	13	100	127	10	*1
14	21	19	14	100	131	10	*1
15	22	19	15	100	133	10	*1
16	24	19	15	100	144	10	*1
17	25	19	15	100	154	10	*1

NV1345.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)	Ø
6	13	19	6	150	163	10	*1
8	13	19	8	150	158	10	*1
10	15.5	19	10	150	165	10	*1
12	18	19	12	150	168	10	*1
13	19	19	13	150	170	10	*1
14	21	19	14	150	175	10	*1
15	22	19	15	150	177	10	*1
16	24	19	15	150	190	10	*1
17	25	19	15	150	203	10	*1

NV1345.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)	Ø
6	13	19	6	200	209	10	*1
8	13	19	8	200	203	10	*1
10	15.5	19	10	200	212	10	*1
12	18	19	12	200	214	10	*1
13	19	19	13	200	218	10	*1
14	21	19	14	200	220	10	*1
15	22	19	15	200	226	10	*1
16	24	19	15	200	235	10	*1
17	25	19	15	200	250	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

→ P254-255

NV13760	TYPE	D (mm)	L (mm)	g (g)	(pcs.)	Ø
75	Hole	19	75	95	10	*1
125	Hole	19	125	125	10	*1
150	Hole	19	150	150	10	*1
250	Hole	19	250	255	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B

→ P254-255

NV13760	TYPE	D (mm)	L (mm)	g (g)	(pcs.)	Ø
75P	Pin	19	75	95	10	*1
125P	Pin	19	125	125	10	*1
150P	Pin	19	150	150	10	*1
250P	Pin	19	250	255	10	*1

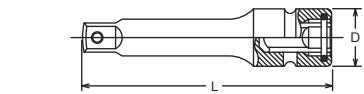
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

→ P254-255

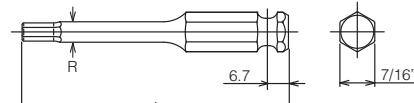
NV13760

Extension Bars
Alargaderas

NV13760-P

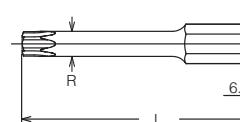


3/8", 1/2"

183H-35 · -75 · -150Hex Bits
Puntas Hexagonales

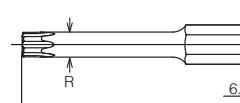
183H.35 (inch)	L (mm)	R (g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

183H.35 (mm)	L (mm)	R (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
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

183T-35 · -75 · -150 (T)TORX® Bits
Puntas TORX®

183H.150 (mm)	L (mm)	R (mm)	R (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

183T.150 (T)	L (mm)	R (mm)	R (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

183T-35 · -75 (IP)TORXPLUS® Bits
Puntas TORXPLUS®

183T.35 (T)	L (mm)	R (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)	R (g)	(pcs.)
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)	R (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)	R (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

3/8", 1/2"

Sleeve Drive Sockets

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-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN

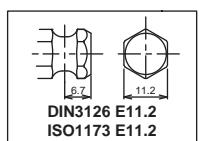


183X.75 (XZN)	L (mm)	R (mm)		(g)		(pcs.)
M 4	75	6	34		10	
M 5	75	6	34		10	
M 6	75	6.2	36		10	
M 8	75	7.4	39		10	
M10	75	9.8	54		10	
M12	75	11.7	57		10	
M14	75	13.5	67		10	

183X.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	

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)	
NV13134	22.5	22	15	45	100	5		*2	

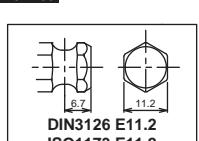
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔ P254-255



For
DIN3126 / ISO1173 E11.2 Bits

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)	
NV14134	22.5	25	15	55	130	5		*1	

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

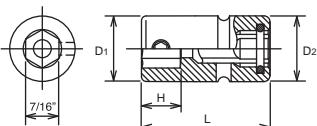


For
DIN3126 / ISO1173 E11.2 Bits

Replacement Screw : M8x5, ● 4mm

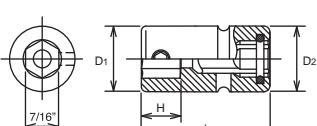
NV13134

Bit Holder
Porta Punta



NV14134

Bit Holder
Porta Punta



Z-SERIES
MANUALES

TITANIUM
ACCESORIES
SCREWDRIVERS

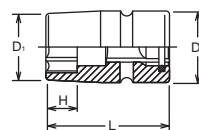
IMPACT
SCREWDRIVERS
DESTORNILLADORES

SLEEVE-DRIVE
INDUSTRIAL
PROTECTORS

INDUSTRIAL
PROTECTORS

AUTOMOTIVE
CONSTRUCTION

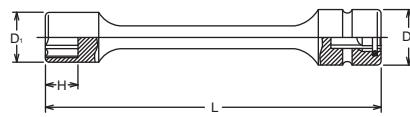
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

NV144006-point Sockets
Vasos Hexagonales

NV14400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⌚
New 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=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

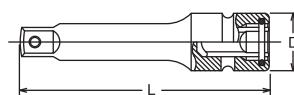
NV14145-100 · -150 · -200Extended Sockets
Vasos con Alargadera

NV14145.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⌚
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)	📦 (pce.)	⌚
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)	📦 (pce.)	⌚
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=1401C, Pin/O-Ring=1401A/B → P254-255

NV14760Extension Bars
Alargaderas**NV14760-P**

NV14760	TYPE	D (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⌚
75	Hole	25	75	149	10	*1
125	Hole	25	125	230	10	*1
175	Hole	25	175	308	10	*1
250	Hole	25	250	422	10	*1

NV14760	TYPE	D (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⌚
75P	Pin	25	75	149	10	*1
125P	Pin	25	125	230	10	*1
175P	Pin	25	175	308	10	*1
250P	Pin	25	250	422	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

NV14433A-PAdaptors
AdaptadoresNo Warranty
Sin Garantía

NV14433A	寸 (mm)	寸 (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⌚
75P	1/2"	3/8"	75	120	1	*1
100P	1/2"	3/8"	100	145	1	*1
150P	1/2"	3/8"	150	187	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

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)	📦 (pzs.)	∅
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	68	483	5	*1
29	45	44	18	68	464	5	*1
30	46.3	44	18	68	492	5	*1
32	48.8	44	19	70	514	5	*1
33	50	44	20	70	564	5	*1
34	51.3	44	20	70	588	5	*1
35	52.5	44	20	70	593	5	*1
36	53.8	44	20	70	598	5	*1
38	56.3	44	20	72	670	2	*1
41	60	44	22	72	687	2	*1
46	66.3	44	23	77	906	2	*1
50	69	44	23	77	1116	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

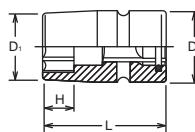


FLAT DRIVE®

NV16400

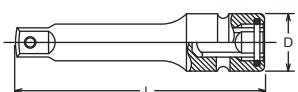


6-point Sockets
Vasos Hexagonales



NV16760

Extension Bars
Alargaderas



NV16760	D (mm)	L (mm)	⚖ (g)	📦 (pzs.)	∅
175	44	175	870	1	*1
250	44	250	1160	1	*1
330	44	330	1460	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

Z-SERIES
MANUALES

TITANIUM
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

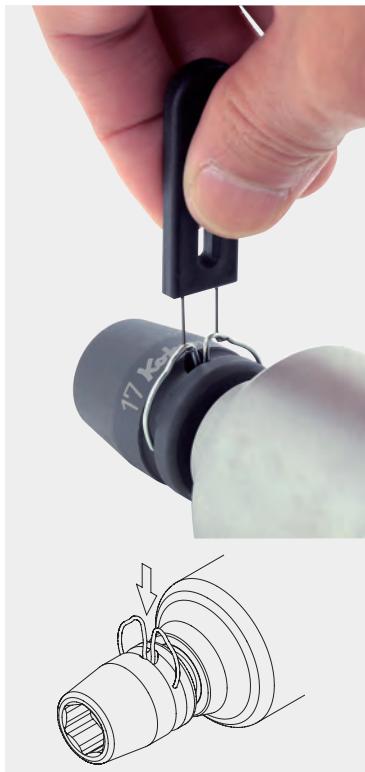
PROTECTOR
PROTECTORES

AUTOMOTIVE
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

C-Ring Lock Clamps and Pullers

Aro de Sujeción en C y Extractor

Z-SERIES
HAND
MANUALESSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTOSLEEVE-DRIVE
VORTEXINDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORESAUTOMOTIVE
CONSTRUCCIÓN
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

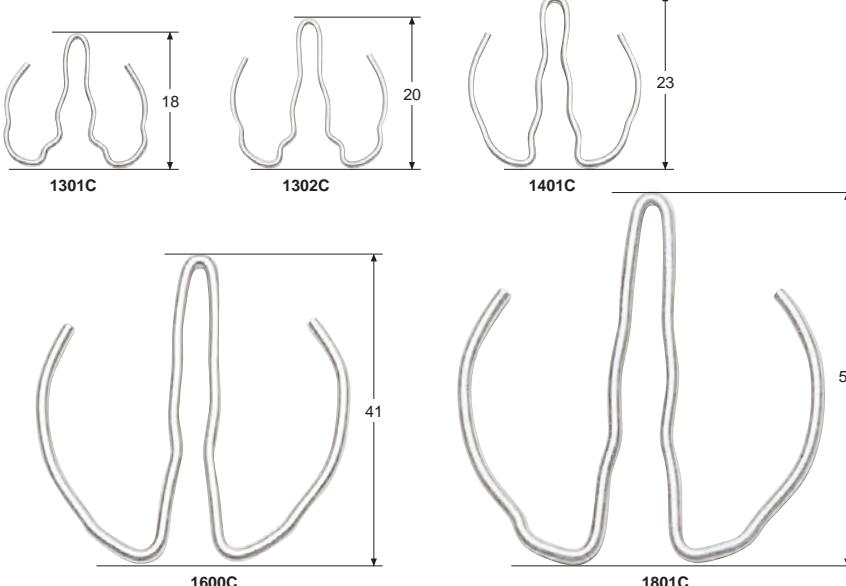
One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

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

No.	<input type="checkbox"/>	Opening (mm)	(pcs.)
1301C	<input checked="" type="checkbox"/>	≤12	100
1302C	<input checked="" type="checkbox"/>	>12	100
1401C	<input checked="" type="checkbox"/>	≤14	100
1402C	<input checked="" type="checkbox"/>	>14	100
1600C	<input checked="" type="checkbox"/>	≤46	100
1801C	<input checked="" type="checkbox"/>	≤70	100
1802C	<input checked="" type="checkbox"/>	>70	50
1700C	<input checked="" type="checkbox"/>	≤90	50



C-Ring Set

Set No.	<input type="checkbox"/>	C-Ring 10pcs.	Puller 1pce.
PK1301C	<input checked="" type="checkbox"/>	1301C + 149	
PK1302C	<input checked="" type="checkbox"/>	1302C + 149	
PK1401C	<input checked="" type="checkbox"/>	1401C + 149	
PK1402C	<input checked="" type="checkbox"/>	1402C + 149	
PK1600C	<input checked="" type="checkbox"/>	1600C + 152	
PK1801C	<input checked="" type="checkbox"/>	1801C + 152	

Puller

No.	<input type="checkbox"/>	(pcs.)
149	<input checked="" type="checkbox"/>	10
152	<input checked="" type="checkbox"/>	10

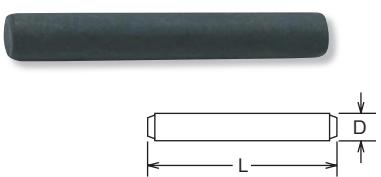


149



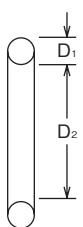
152

Pin



No.	□	Opening (mm)	D (mm)	L (mm)	(pcs.)
1200A	[1/4"]		1.5	10.2	100
1301A	[3/8"]	≤ 12	2.5	14.5	100
1302A	[3/8"]	> 12	2.5	17.5	100
1401A	[1/2"]	≤ 14	3.5	20	100
1402A	[1/2"]	> 14	3.5	25	100
1500A	[5/8"]		4	29	100
1601A	[3/4"]	≤ 46	5.5	35	100
1602A	[3/4"]	> 46	5.5	45	100
1801A	[1"]	≤ 70	6	45	100
1802A	[1"]	> 70	6	75	50
1701A	[1-1/2"]	≤ 90	7	75	50
1702A	[1-1/2"]	> 90	7	110	50
1901A	[2-1/2"]	≤ 115	9	110	50
1902A	[2-1/2"]	> 115	9	155	50
2001A	[3-1/2"]	≤ 140	13	155	1
2002A	[3-1/2"]	> 140	13	180	1

O-Ring



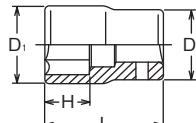
No.	□	Opening (mm)	D ₁ (mm)	D ₂ (mm)	(pcs.)
1200B	[1/4"]		2.5	9	100
1301B	[3/8"]	≤ 12	3.5	13	100
1302B	[3/8"]	> 12	3.5	16	100
1401B	[1/2"]	≤ 14	4	19	100
1402B	[1/2"]	> 14	4	24	100
1500B	[5/8"]		5	28	100
1601B	[3/4"]	≤ 46	5	36	100
1602B	[3/4"]	> 46	5	45	100
1801B	[1"]	≤ 70	7	45	100
1802B	[1"]	> 70	7	75	50
1701B	[1-1/2"]	≤ 90	10	75	50
1702B	[1-1/2"]	> 90	10	114	50
1901B	[2-1/2"]	≤ 115	10.5	114	50
1902B	[2-1/2"]	> 115	10.5	158	50
2001B	[3-1/2"]	≤ 140	15	158	1
2002B	[3-1/2"]	> 140	15	183	1



Pins & O Rings/C-Ring Lock Clamps Pasadores y Juntas Tóricas/Aros de Sujeción en C

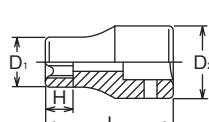
Industrial Sockets



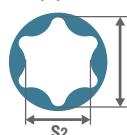
22400M6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

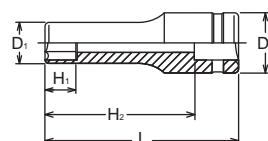
22400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10

22425TORX® 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 • 22300A6-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.

3/8"

Industrial Sockets

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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
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

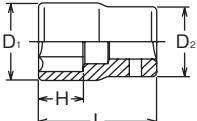
23405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	❖ (pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
14	19.5	18.5	11	27	31	10



FLAT DRIVE®

23400M • 23400A

6-point Sockets
Vasos Hexagonales



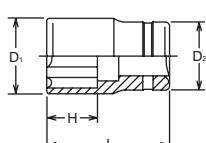
23410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	❖ (pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10



SURFACE DRIVE

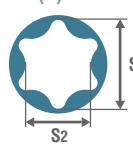
23410M

12-point Sockets
Vasos Bihexagonales



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

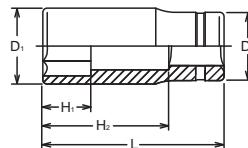
TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

Koken TOOL CO., LTD.

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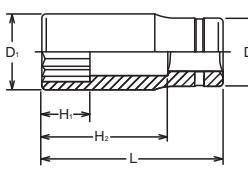
23300M • 23300A6-point Sockets, Deep
Vasos Hexagonales, largos

FLAT DRIVE®

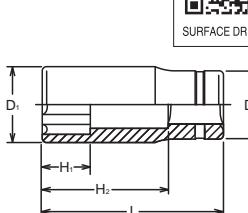


23300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	10.6	17.4	8	41.5	55	40	10
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	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

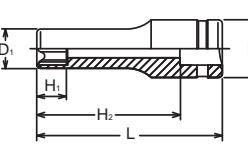
23300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.4	9	41.5	55	45	10
3/8	14	17.4	11	41.5	55	51	10
7/16	16	17.2	12	41.5	55	55	10
1/2	18	17	14	41.5	55	57	10
9/16	20	18	16	41.5	55	68	10
11/16	23.5	22	18	40.5	55	96	10
3/4	25	24	20	39.5	55	102	10

23305M12-point Deep Sockets
Vasos Bihexagonales Largos

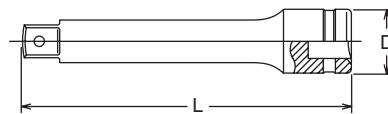
23305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
14	20	18	16	41.5	55	68	10

23310MSurface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos

23310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	80	10
17	23.5	22	18	40.5	55	96	10

23325TORX® 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

23760-PExtension Bars
Alargaderas

23760	D (mm)	L (mm)	(g)	(pcs.)
75P	18	75	70	10
125P	18	125	110	10
250P	18	250	200	5

1/2"

Industrial Sockets

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
PROTECTORES

AUTOMOTIVE
CONSTRUCTION
RENWAL KITS

CONSTRUCCIÓN
JUEGOS DE PIEZAS REPUESTO

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

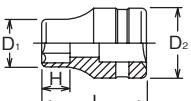
24405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
14	20.3	22	11	37	56	10
17	24.1	23	12.5	37	69	10
19	26.6	25	14	38	89	10



FLAT DRIVE®

24400M • 24400A

6-point Sockets
Vasos Hexagonales



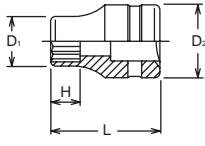
24410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
24	32.9	30	17	42	140	5



SURFACE DRIVE

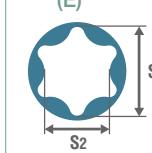
24410M

12-point Sockets
Vasos Bihexagonales



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)

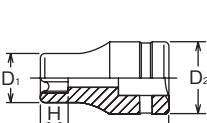


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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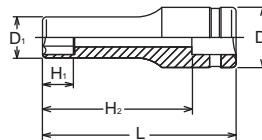
24425

TORX® Sockets
Vasos TORX®

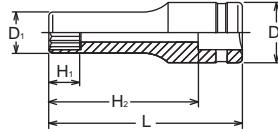


24300M • 24300A6-point Sockets, Deep
Vasos Hexagonales, largos

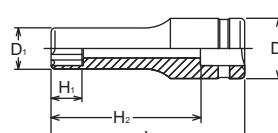
FLAT DRIVE®



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
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

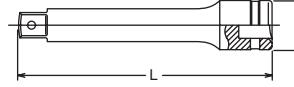
24305M12-point Deep Sockets
Vasos Bihexagonales Largos

24300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
7/16	16.5	21	12	59	77	95	10
1/2	19	21.8	14	59	77	107	10
9/16	20.3	21.8	16	59	77	118	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	150	10
11/16	25	24	19	59	77	164	10
3/4	26.5	25	20	58	77	177	10
13/16	29	27	23	58	77	187	10
15/16	32.8	30	27	57	77	252	10

24310MSurface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos

SURFACE DRIVE

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

24760-PExtension Bars
Alargaderas

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

3/8"

1/2"

Sockets with Turnable Plastic Protectors



Plastic Protector Protectores Plásticos

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



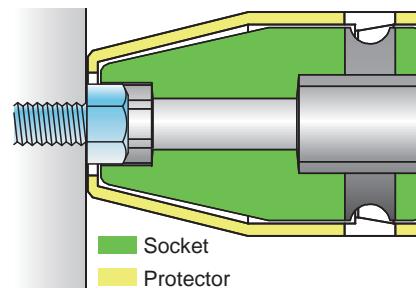
Safety

Turnable plastic protector increases operator's safety during assembly process.



Scratch proof

Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.



Protector series are make-to-order manufacturing



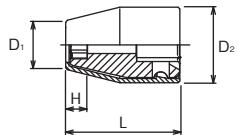
3/8" 1/2" Plastic Protector Protectores Plásticos

13400M (FR)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	$\frac{lb}{in}$ (g)
8FR	15.7	22	6	33.3	40
10FR	18.2	22	7	33.3	40
12FR	20.8	22	9	33.3	43
13FR	21.8	25	10	33.3	56
14FR	23.6	25	10	33.3	56
16FR	26.1	25	11	33.3	57
17FR	27.3	25	12	33.3	60



13400M-FR

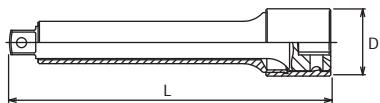
6-point Sockets
Vasos Hexagonales



13760 (FR)	D (mm)	L (mm)	$\frac{lb}{in}$ (g)
125P.FR	26.2	125	145
250P.FR	26.2	250	220

13760-P.FR

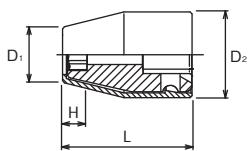
Extension Bars
Alargaderas



14400M (FR)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	$\frac{lb}{in}$ (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
16FR	27	33	10	39.3	135
17FR	28.2	33	12	39.3	135
19FR	31	33	13	39.3	130

14400M-FR

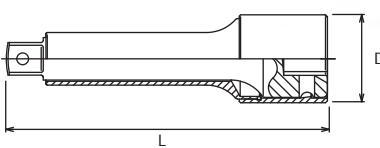
6-point Sockets
Vasos Hexagonales



14760 (FR)	D (mm)	L (mm)	$\frac{lb}{in}$ (g)
125P.FR	34.2	125	280
250P.FR	34.2	250	480

14760-P.FR

Extension Bars
Alargaderas



The protector could be broken with any impacts. Please handle with care.

Z-SERIES
MANUALES

TITANIUM
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
SLEEVE-DRIVE

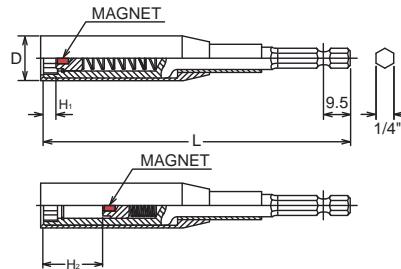
INDUSTRIALES
PROTECTOR
PROTECTORES

AUTOMOTIVE
CONSTRUCTION

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCCIÓN JUEGOS DE PIEZAS REPUESTO

115G-100FR • -150FR • -200FR

Nut Setters with Sliding Magnet
Vasos para tuercas con Imán Corredizo



115G.100 (FR)	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

115G.150 (FR)	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

115G.200 (FR)	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

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

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.

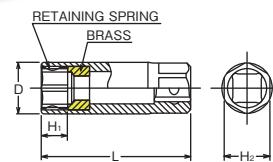


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Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.

Automotive Tools



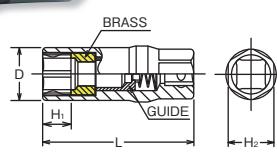
3300C • 4300CSpark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

SPARK PLUG SOCKET

3300C (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
13		17.5	11	17	70	66	10
14		19	11	17	70	82	10
16	3/8"	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

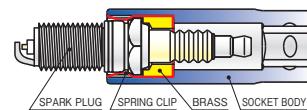
4300C (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
16		21	13	21	70	101	10
18	1/2"	23.9	12	21	70	132	10
20.8		26.9	13.5	22	70	130	10

⚠ 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

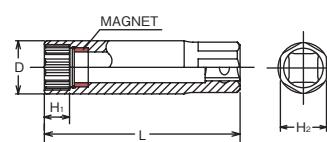
3300CB (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
16	3/8"	22.8	13	19	65	118	10



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.

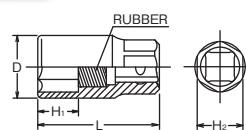
3305PSpark Plug Socket with Magnet, 12-point Opening
Llaves de bujía con Imán, Boca Bihex

3305P (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
14		19	8	17	70	87	10
16	3/8"	20.5	8	17	70	100	10

Spark Plug Socket with Magnet, 12-pt. opening: 3305P-14

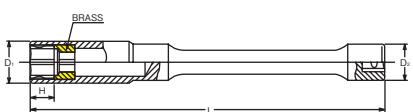


⚠ The magnet could be broken with any impacts. Please handle with care.

3300S • 4300SSpark Plug Sockets with Rubber
Llaves de bujía con Goma

3300S (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
16		20.9	19	17	70	100	10
18	3/8"	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 (g)	(pcs.)
16		21	19	21	70	100	10
18	1/2"	23.9	21	21	70	130	10
20.8		26.9	27	22	70	135	10



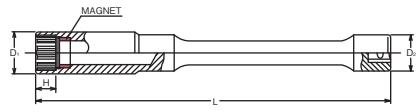
3300C.180 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19	18	11	180	205	5
16	3/8"	20.5	18	13	180	220	5
20.8		26.9	18	13.5	180	260	5

3300C.250 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19	18	11	250	271	5
16	3/8"	20.5	18	13	250	290	5
20.8		26.9	18	13.5	250	340	5

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

3300C-180 · -250

Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas



3305P.250 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	18	8	250	250	5

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

3305P-250

Spark Plug Socket with Magnet, 12-point Opening
Llave de bujía con Imán, Boca Bihex

3340C (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19	19	11	88	109	10
16	3/8"	21	19	13	88	122	10
18		23.9	19	12	88	145	10
20.8		26.8	19	13.5	88	174	10

4340C (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
16	1/2"	21	25	13	100	220	10
20.8		26.8	25	13.5	100	250	10

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

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.

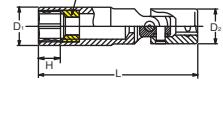
3340C · 4340C

Universal Spark Plug Sockets with Spring Clips
Llaves de bujía con Presillas con Articulación Universal



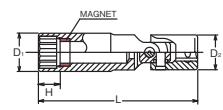
SPARK PLUG
SOCKET

MAGNET



3345P

Universal Spark Plug Socket with Magnet, 12-point opening
Llave de bujía con Imán con Articulación Universal, Boca Bihex



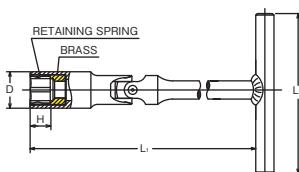
127C

T-type Universal Spark Plug Socket Wrench
Llave de Bujías en T con Articulación Universal



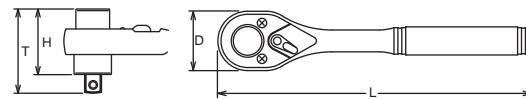
127C.315 (mm)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
14	19	11	315	150	520	1
16	21	13	315	150	530	1
18	23.9	12	315	150	590	1
20.8	26.8	13.5	315	150	590	1

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



3751NTorque 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.

3751JTorque Ratchet for Spark Plugs
Llave de Bujías Dinamométrica

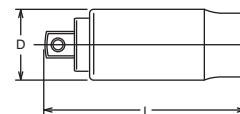
	D (mm)	T (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pce.)
3751N-25	34	57	43	178	320	1
3751J-25	34	57	43	178	320	1

3225ASet for Torque Controlled Installation of Spark Plugs
Juego de Llaves de Bujías Dinamométricas

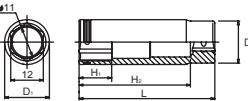
3225A		4 Pieces Set/一套=960g
METAL CASE:W215×H80×T47mm		
Sockets	Accessories	
3300C Spark Plug Sockets 16, 20.8	3751J-25 3763-125	

3701Torque Adaptors 20Nm / 30Nm
Adaptadores de Par 20Nm / 30Nm

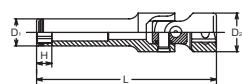
	D (mm)	L (mm)	⚖ (g)	📦 (pce.)
20Nm	25.5	75	178	1
30Nm	28	75	220	1



2350G-PSG (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
12	[1/4"]	16.5	15.5	12	41	50	41	10

**2350G-12PSG**Sockets for PSG-Glow Plugs
Vasos para PSG-Bujías de pre-calentamiento

3341G.70 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(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

**3341G-70 · -89**Universal Glow Plug Sockets with NUT GRIP®
Llaves de Calentador con Articulación Universal con Sujeta-Tuerca (Nut Grip®)

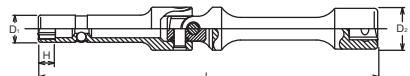
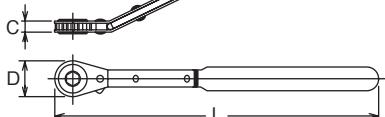
GLOW PLUG SOCKETS, NUT GRIP®

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

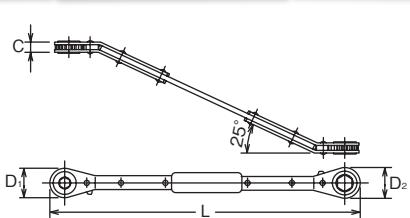
El perno/tuerca se sujetta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable



3342G.150 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)
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**For Glow Plugs
Para Calentadores

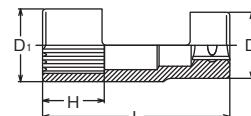
144KM (mm)	L (mm)	D (mm)	C (mm)	(g)	(pce.)
8	200	22.7	7.5	95	1
12	200	22.7	7.5	102	1

**148KM**For Glow Plugs
Para Calentadores

148KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pce.)
8Sx12	245	23.6	24.6	9	187	1

SP4305M-77

Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel



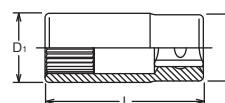
SP4305M.77 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)
27		36.5	33	28	77		212		10

SP4305M.77-27

For fuel injection pump of BMW diesel cars.

4133

Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel



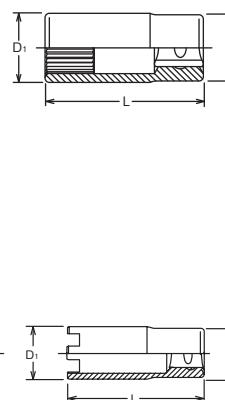
4133		D ₁ (mm)	D ₂ (mm)	L (mm)		(g)		(pcs.)
4133		23.9	23	55		86		10

4133

For fuel injection pump of M.B diesel cars.

4122-72

Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel



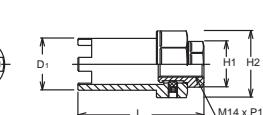
4122.72 (mm)		D ₁ (mm)	D ₂ (mm)	D ₃ (mm)	L (mm)		(g)		(pcs.)
22		28.5	27	22	72		150		10

4122.72-22

For M.B Trucks, Holder nut of injection post.

SP4122-69

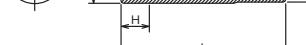
Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel



SP4122.69 (mm)		D ₁ (mm)	D ₂ (mm)	H _t (mm)	H ₂ (mm)	L (mm)		(g)		(pcs.)
22		28.4	22	22	32	69		185		5

3300FN

Flare Nut Sockets
Llaves de vaso para entubar

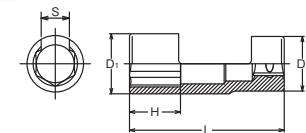


3300FN (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)		(g)		(pcs.)
8		14.5	17.3	6	53	6.4		38		10
9		16	17.3	7	53	6.8		41		10
10		16.8	17.2	7.5	53	7.2		42		10
11		18	17	8.5	53	8.3		42		10
12		20	18	9	53	8.8		50		10
13		21.1	20	9.5	62	9.4		66		10
14		22	20	10.5	62	10.5		66		10
15		23	22	11	70	11.5		82		10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

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

**SP4300M-85**

Special socket for Lambda Probes
Vaso Especial para Sensores Lambda



SP4300M.85-22		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)		(g)		(pcs.)
SP4300M.85-22		33	30	29	85	8		228		10

SP4300M.110-22		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)		(g)		(pcs.)
SP4300M.110-22		33	30	34	110	8		279		5

**FLARE NUT SOCKET**

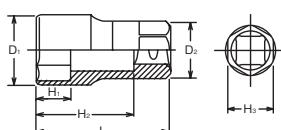
Socket for Lambda Probes

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 (g)	(pcs.)
24		32.5	27	17	40	24	57	157	10
26	1/2"	35	27	19	40	24	57	170	10
27		36.1	27	19.5	40	24	57	175	10

4300H series

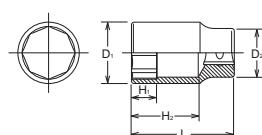
Removes and installs oil pressure switches

4300H ○ Oil Pressure Switch Sockets
Vasos para Presostatos de Aceite

4300H (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pcs.)
27(8P)	1/2"	34	27	18.5	37	57	152	10

4300H(8P) series

Socket for Switches, Mercedes Benz and MAN

4300H (8P) ○ 8-point Socket
Vaso Octagonales

4010M.100 (mm)		D (mm)	H (mm)	L (mm)	g (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 (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.

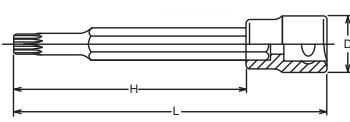
		D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
ST4027.140	1/2"	23	103.5	140	155	10



Head Bolt Bit Socket for VW/AUDI
ST4027-140 can not substitute with 3027, 4027-CV bit series.

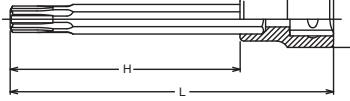
4010M-100 · -120 (12P)

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.150 (12P) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	○
10	3/8"	15.8	19	10	150	120	1	*1
12		18.3	19	12	150	128	1	*1

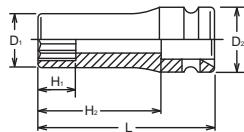
*1 C-Ring=1301C, Pin/O-Ring=1301A+B ➔ P254-255

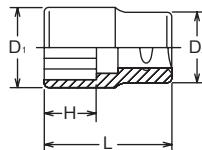
13145M.200 (12P) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	○
10	3/8"	15.8	19	10	200	151	1	*1
12		18.3	19	12	200	159	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A+B ➔ P254-255

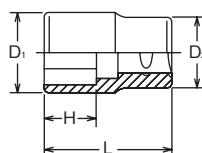
16305M (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	g (g)	(pce.)	○
14		26.3	44	14	74	100	500	2	*1
17	3/4"	30	44	17	74	100	544	2	*1
19		32.5	44	19	74	100	655	2	*1
22		36.3	44	22	74	100	700	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A+B ➔ P254-255

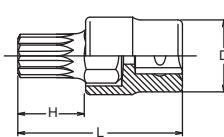
16305M ○ 12-point Sockets, Deep
Vasos Bihexagonales Largos

4109MDouble Square Sockets
Vasos Octagonales

4109M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
14		26.8	26	11	38	110	10
17		30	28	12.5	40	140	10
19	1/2"	31.5	29	14	40	150	10
21.5		35	32	16	40	170	10
23		37	34	16.5	43	180	10

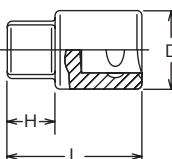
4109M series
For Lubrication service**4111M**6-point Socket
Vaso Hexagonal

4111M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
24	1/2"	32	30	17	40	133	10

4111M
For Lubrication service**4020-60 (MH)**Bit Socket for XZN-Screws with hole
Vaso con Punta para Tornillos XZN con agujero

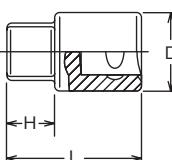
4020.60 (XZN)		D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
MH16	1/2"	24	20	60	135	10

4020-60-MH16

Specially designed for oil drain plug on gearbox of AUDI, VW,
PORSCHE.**3110M • 3110A**4-point Male Sockets
Vasos con Macho Cuadrado

3110M (mm)		D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
6		18	10	28	30	10
8	3/8"	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 (g)	(pcs.)
5/16		18	10	28	30	10
3/8	3/8"	18	10	28	33	10
1/2		18	10	28	37	10

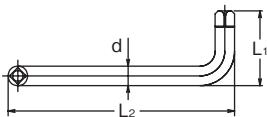
4110M • 4110A4-point Male Sockets
Vasos Macho Cuadrado

4110M (mm)		D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
8		24	10	32	57	10
10		24	10	32	62	10
10.5		24	10	32	64	10
12	1/2"	24	10	32	64	10
13		24	10	32	66	10
13.5		24	10	32	67	10
19		25	15	37	101	10
20		26	15	37	114	10

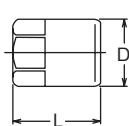
4110A (inch)		D (mm)	H (mm)	L (mm)	g (g)	(pcs.)
3/8		24	10	32	62	10
1/2	1/2"	24	10	32	64	10

158  For Lubrication Service
Para Lubricación

	L ₁ (mm)	L ₂ (mm)	d (mm)	g (g)	(pce.)
8Sx10S	63	230	13	319	1



	D (mm)	L (mm)	g (g)	(pce.)
14	19	25	30	10
17	19	25	30	10

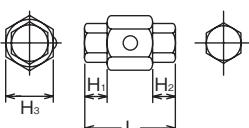
3012M-25  Inhex Sockets
Vasos con Punta Hexagonal

4202	7 Pieces Set
METAL CASE: W190xH59xT45mm	
Sockets	
  106 Drain Plug Keys 8Sx10S, 8Hx3/8H, 10Hx11H, 12Hx13H, 14Hx17H, 19H	
 4102 Drain Plug Key Adaptor	

4202 Drain Plug Keys Set
Juego de Llaves de Tapón de Vaciado

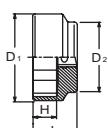
	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	g (g)	(pcs.)
8Sx10S	8	8	17	32	40	10
8Hx3/8H	8	8	17	32	38	10
10Hx11H	8	8	17	32	42	10
12Hx13H	8	8	17	32	47	10
14Hx17H	8	8	17	32	55	10
19H	-	8	17	24	49	10

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
17	1/2"	25	24	16	40	82

106  4-point / 6-point Male bits
Puntas Macho Cuadrado / Hexagonal

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pcs.)
27	36.5	21.5	13.5	24	76	10
30	40	25	13.5	24	91	10
32	42.8	28	13.5	24	108	10
36	47.2	32	13.5	24	135	10

3400M.24 Series
For Oil Filter

3400M-24  6-point Sockets
Vasos Hexagonales

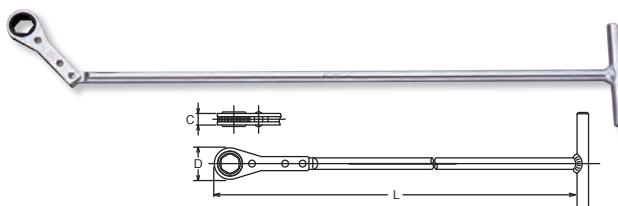
1206 Push and Pull-Ratchet Set
Juego de Llave de Carraca de Empuje y Tracción



1206 3 Pieces Set/320g

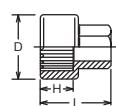
CARDBOARD BOX	Accessories
Sockets 150.14H Sockets 12, 14	154K-14

154K Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción



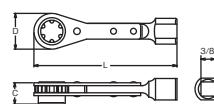
154K (mm)	L (mm)	D (mm)	C (mm)	(g)	(pce.)
14	480	24.6	9	280	1

150-14H Socket, For 154K
Vasos

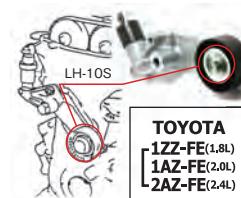


150.14H (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10

145LH3/8F Belt Tension Pulley Wrench



145LH3/8F (LH-S)	D (mm)	H (mm)	L (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

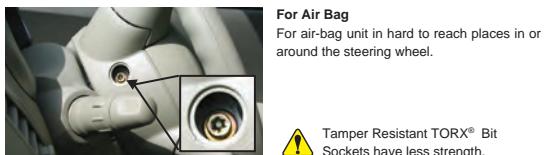
For removing and installing belt pulley at the generator.

1210 • 1210EDoor Hinge Wrench Set
Juego de Llave de Bisagra de Puerta

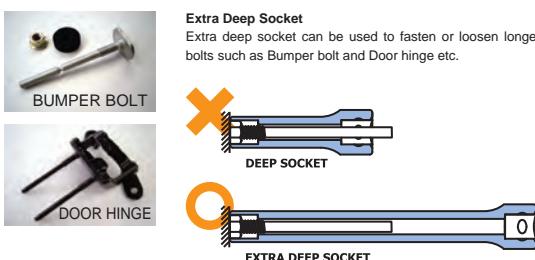
1210		8 Pieces Set/一套=450g
Sockets	Accessory	
179B.12H Sockets 10, 12	145KD-12	
179B.12H XZN Bits M6, M8, M10, M12		
179B.12H TORX® Bit T45		

1210E		11 Pieces Set/一套=460g
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		

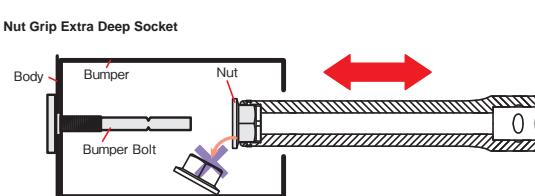
3247		4 Pieces Set/一套=385g
Sockets		
3025.160 Tamper-resistant TORX® Bit Sockets T27H, T30H, T40H, T50H		



3300M/4-L120		4 Pieces Set/一套=477g
Sockets		
3300M(L120) 6-pt. Extra Deep Sockets 8, 10, 12, 14		



3350M/2-L120		2 Pieces Set/一套=230g
Sockets		
3350M(L120) Nut Grip Extra Deep Sockets 10, 12		

**3247** ⚡ Bit Socket Set

Juego de Vasos con Punta

**3300M/4-L120** ⚡ Socket Set

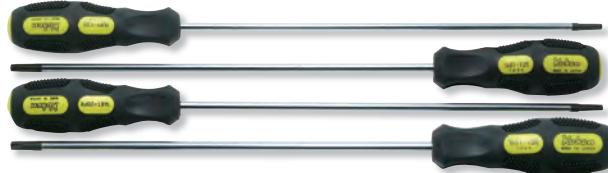
Juego de Vasos

**3350M/2-L120** ⚡ Socket Set

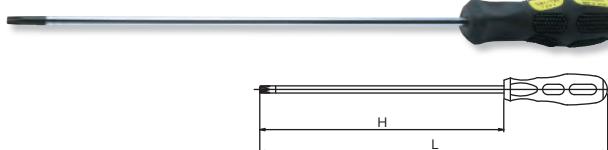
Juego de Vasos



1212 Screwdriver Set
Destornilladores, juego de 4 piezas

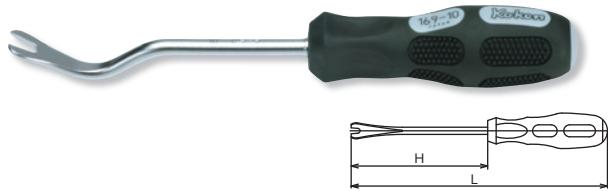


168T (250) Screwdrivers
Destornilladores



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 Mangüeras, juego de 2 piezas

169HR Hose Remover
Extractor de Mangüeras



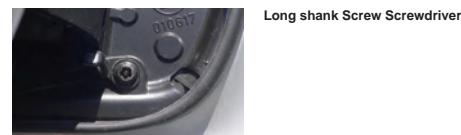
169BP For Battery Screws



1212 PLASTIC BAG 4 Pieces Set/ $\Delta\Delta=380g$

Screwdrivers

168T(250)
20IPR
168T(250)
T20, T25, T30



	H (mm)	L (mm)	$\Delta\Delta$ (g)	(pce.)
20IPR	250	350	85	1
168T(250) (T)	H (mm)	L (mm)	$\Delta\Delta$ (g)	(pce.)
T20	250	350	85	1
T25	250	350	85	1
T30	250	360	120	1

169/2 PLASTIC BAG 2 Pieces Set/ $\Delta\Delta=200g$

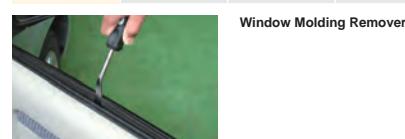
Clip Handles

169
6, 10

	H (mm)	L (mm)	$\Delta\Delta$ (g)	(pcs.)
6	115	215	80	2
10	120	230	110	2

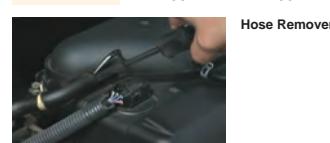


	H (mm)	L (mm)	$\Delta\Delta$ (g)	(pcs.)
169WM	100	210	90	2



	H (mm)	L (mm)	$\Delta\Delta$ (g)	(pcs.)
169HR/2				
169HR	A, B			

	H (mm)	L (mm)	$\Delta\Delta$ (g)	(pcs.)
169HR	100	200	75	2
A	100	200	90	2



	TxW (mm)	H (mm)	L (mm)	$\Delta\Delta$ (g)	(pcs.)
169BP	1.8x13	1.8x13	50	150	60



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	1/2"	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	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255
For Land Rover Prop Shaft

		D ₁ (mm)	D ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)	🌐
New 13772-B	3/8"	22	19	75	120	5	*1
13772-P		22	19	75	120	5	*1
New 14772-B	1/2"	27	25	90	230	1	*2
14772-P		27	25	90	230	1	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P254-255

*2 C-Ring=1401C, Pin/O-Ring=1401A/B



⚠️ 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		42	30	30	63	85	457	10	*2
32	1/2"	44.5	30	32	63	85	542	10	*2
36		49.5	30	36	61	85	635	2	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P254-255

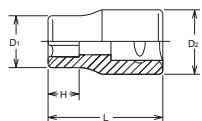


4101		TxW (mm)	D (mm)	L (mm)	⚖ (g)	📦 (pcs.)
1		2.7×18.6	22	40	59	10
2	1/2"	3.7×24	24	40	79	10
3		3.7×30	30	40	128	10

		TxW (mm)	D (mm)	L (mm)	⚖ (g)	📦 (pcs.)
6101	3/4"	6.4×33.5	35	50	205	5

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.

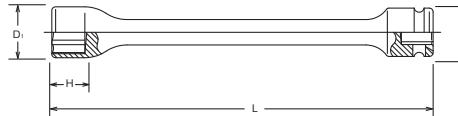
4425-N ⚡ TORX® Sockets For Nut/Low Profile Head Bolt



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



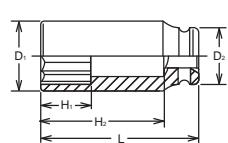
13145A-150 ⚡ Extra Long Sockets 14145A-150 ⚡ Vasos Extra-Largos



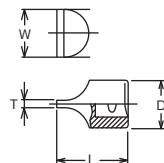
13772 ⚡ Universal Double Joint Articulación Universal



14305M ⚡ 12-point Deep Sockets Vasos Bihexagonales Largos



4101 • 6101 ⚡ Sockets for Slotted Heads Vasos para Cabeza Ranurada



Automotive Tools (for Motorcycles)

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

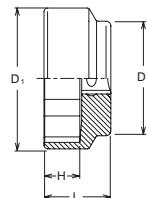
SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

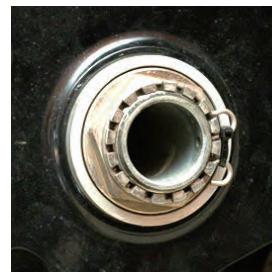
AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

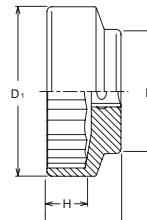
4400M-DU Rear Wheel Nut Socket



4400M		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)
41DU		53	45	15	28		240		5
46DU		59	48	15	28		280		5



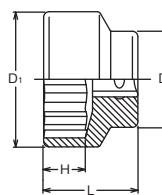
4405M-DU Rear Wheel Nut Socket



4405M		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)
36DU		47.3	41	15	28		200		5
55DU		71	52	16	31		410		5



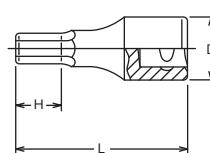
6405A-MV Rear Wheel Nut Socket



6405A		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)		(g)		(pcs.)
2.3/16MV		74.6	53	23	52		790		2



4012M-43 Inhex Sockets Vasos Inhex



4012M.43 (mm)		D (mm)	H (mm)	L (mm)		(g)		(pcs.)
20		26	11.5	43		130		10
21		26	11.5	43		140		10
22		26	11.5	43		145		10
24		28	11.5	43		170		10
27		32	11.5	43		226		10

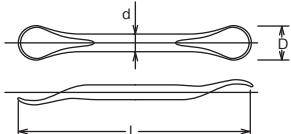


	D (mm)	d (mm)	L (mm)	(g)	(pce.)
155	22	10	170	100	10

For Motorcycles

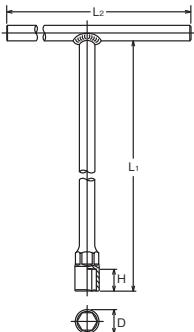


155 Tyre Lever
Llave de Neumáticos



104M (mm)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
6	9.5	8	200	180	150	1
7	11	9	200	180	152	1
8	12	10	250	200	183	1
9	14	12	250	200	188	1
10	14	13	250	200	230	1
11	16	14	250	200	234	1
12	18	15	250	250	384	1
13	18.5	17	300	250	412	1
14	20	18	300	250	428	1
15	21	19	300	250	443	1
16	22.5	21	350	300	528	1
17	24	22	350	300	707	1
18	25	23	350	300	707	1
19	26.5	25	350	300	717	1

104M 6-point
Hexagonal



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

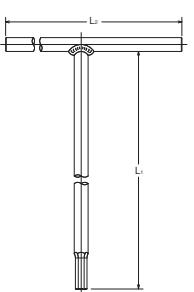
157P (PH)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
2	200	180	84	1
3	300	180	189	1

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

157H For Inhex Screws
Para Tornillos de Seis Lados en el Interior (Inhex)

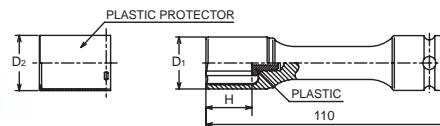
157P For Phillips Screws
Para Tornillos Phillips

157T For TORX® Screws
Para Tornillos TORX®



14201M
14145PM-110

- Wheel Nut Sockets Set
Juego de Vasos para Rueda
- Wheel Nut Sockets
Vasos para Rueda
-



14201M
CARDBOARD BOX: W125xH95xT34mm
Sockets

14145PM.110 Impact Wheel Nut Sockets
17, 19, 21

14145PM.110 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	Shaft Colour	Weight (g)	(p.c.s.)	Set No.
17	23.7	25.2	21	Blue	208	5	*1
19	25.7	27.2	23	Red	219	5	*1
21	27.5	29	25	Yellow	226	5	*1
22	29	30.5	26	White	238	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255



Impact Wheel Nut Sockets-Extra Thin wall
Special design for wheel nut work.
-110mm length gives socket extra reach for nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts where access to nut is very tight.
-Blue (17mm), Red (19mm), Yellow (21mm) and White (22mm), colour coded shafts make size identification easy.
-Plastic insert helps prevent damaged to wheel nut.

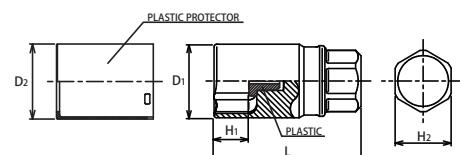
Please note that thin walled design is only for wheel nut work and Torque rating is limited.

198-17 : Spare Plastic Protector for 14145PM.110-17 : 10 pcs.
198-19 : Spare Plastic Protector for 14145PM.110-19 : 10 pcs.
198-21 : Spare Plastic Protector for 14145PM.110-21 : 10 pcs.
198-22 : Spare Plastic Protector for 14145PM.110-22 : 10 pcs.

A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.
The socket size and Ko-ken mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

280PM

- Adaptor Socket for Low Profile Wheel Nut
Vaso Adaptador para tuercas de Llantas de perfil bajo
-



280PM (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	Shaft Colour	Weight (g)	(p.c.s.)
19	25.7	27.2	13	19	52	Red	150	5
21	27.5	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 Tuerca 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 colorada consigue una fácil identificación de la medida



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

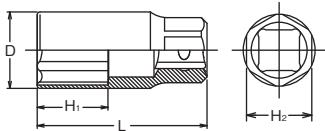
4300M(L60) (mm)	<input type="checkbox"/>	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17	<input checked="" type="checkbox"/>	23.6	25	21	60	98	10
19	<input checked="" type="checkbox"/>	25.1	25	21	60	100	10
21	<input checked="" type="checkbox"/>	27.1	25	21	60	102	10



Wheel Nut Sockets

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

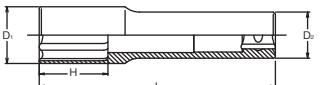
4300M (L60) Wheel Nut Sockets Vasos para Ruedas



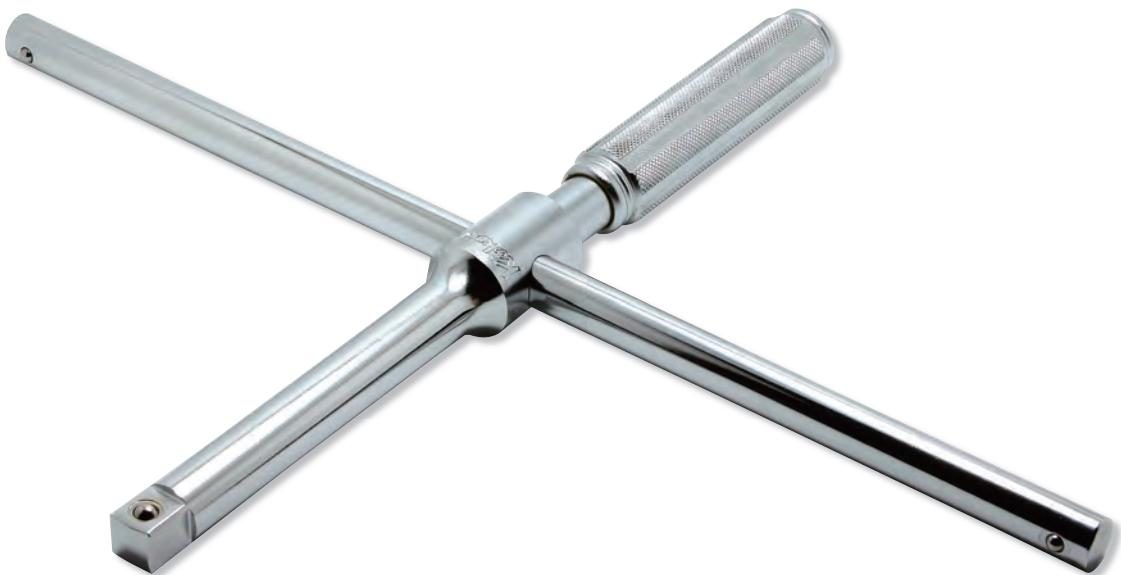
4300M(L110) (mm)	<input type="checkbox"/>	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	<input checked="" type="checkbox"/>	23	22	32	110	155	5
19	<input checked="" type="checkbox"/>	25.8	22	32	110	170	5
21	<input checked="" type="checkbox"/>	26.8	22	32	110	165	5

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

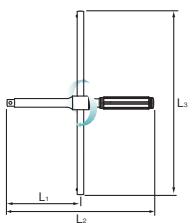
4300M (L110) Wheel Nut Sockets (Long) Vasos para Ruedas (Largos)

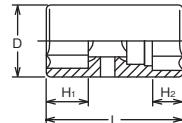


4711X Spinning Cross Wrench



4711X	<input type="checkbox"/>	L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	(g)	(pce.)
4711X	<input checked="" type="checkbox"/>	140	280	350	945	1



14118M  Wheel Nut Sockets, Double Ended
Vasos para Rueda, Dos Bocas

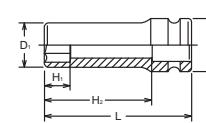
14118M (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
17x19		28	15.5	13	48	150	10
19x21		31	17.5	13	57	177	10
19x22		31	17.5	15	57	187	10

14218M  Wheel Nut Sockets, Double Ended with Extension Bar
Vasos para Rueda, Dos Bocas con Alargado 

14218M CARDBOARD BOX	2 Pieces Set/=360g
Sockets	Accessory
14118PM 19x21	14760ST-B

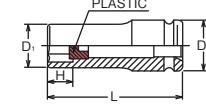
Interchangeable Wheel Nut Socket of 19mm and 21mm.

Please note that thin walled design is only for wheel nut work and Torque rating is limited.
Socket is not completely locked with the Ball-type connection.
Please beware of accidental socket release.

AN14300  Impact Sockets, Aluminium Alloyed, for Aluminium Wheel Nuts
Vasos de Impacto, de Aleación de Aluminio, para tuercas de rueda de aluminio

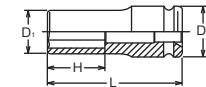
AN14300 (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)	
17		25.7	30	17	62	80	85	10	*2
19		28.2	30	19	61	80	89	10	*2
21		30.7	30	21	61	80	93	10	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔ P254-255

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

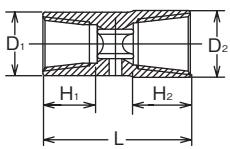
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔ P254-255

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=1402C, Pin/O-Ring=1402A/B ➔ P254-255

14124 (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)
21x24.5	1/2"	28	29.5	24	25	65	157	10
26x27.5		31.5	35	24.5	24.5	65	197	10

14124 ○ Lock Nut Busters (Double Ended)
Tronzador de Tueras (Dos Bocas)


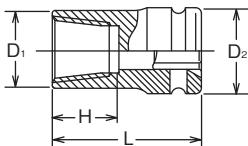
14124/3	3 Pieces Set/SET=580g
CARDBOARD BOX:W125xH91xT43mm	
Sockets	Accessory


14124/3 ○ Lock Nut Busters (Double Ended) in set
Juego Tronzador de Tueras (Dos Bocas)


14124 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	⚖ (g)	📦 (pcs.)	⌚
17		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	1/2"	25	30	20.5	50	140	10	*2
21		28	30	20.5	50	153	10	*2
24.5		29.5	30	23	50	138	10	*2
26		31.5	30	23	50	147	10	*2
27.5		35	30	23	50	181	10	*2

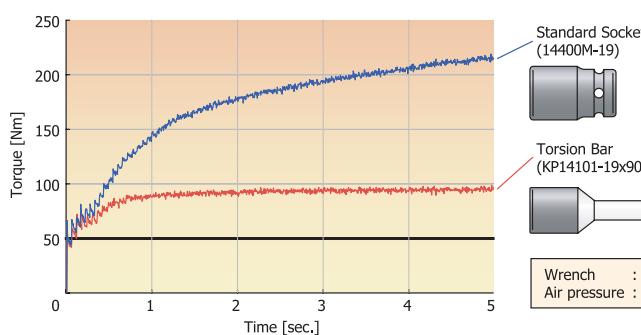
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14124 ○ Lock Nut Busters
Tronzador de Tueras


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


KP14101Torsion Bars (for tightening only)
Barras de Torsión (Solamente para apriete)

KP14101 (mmxNm)	D (mm)	H (mm)	L (mm)	Shaft Colour	Weight (g)	Line (pcs.)	Code
17x110Nm	24	21	204	Blue	230	10	*1
19x 90Nm	26	24	259	White	250	10	*1
19x110Nm	26	24	213	Red	240	10	*1
21x100Nm	28	27	215	Green	255	10	*1
21x110Nm	28	27	216	Yellow	250	10	*1
21x130Nm	28	27	207	Orange	305	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P254-255

How to use Torsion Bar:

1. Use with a 1/2" Sq. Dr. Pneumatic impact wrench.
2. Set air pressure 0.6MPa, and set impact wrench dial Medium range.
3. Choose a suitable Torsion bar according to wheel nut size and indicated tightening torque.
4. Attach the torsion bar to impact wrench and apply load.
5. Check the actual tightening torque value with torque wrench.
6. Adjust air pressure or torque value according to the results of check 5.
7. Tight other wheel nut in diagonal order.

Torsion Bars

- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Colour coded shafts make size identification easy.

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.

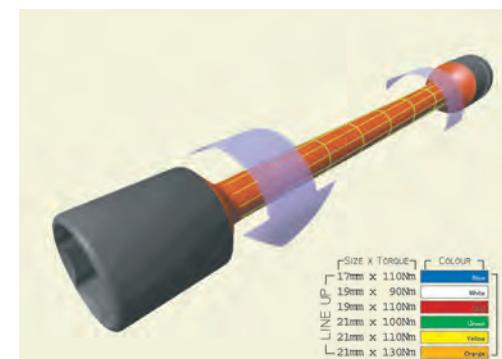
KP14101/6SDisplay Stand
Expositor**KP14101/6S**

6 Pieces Set/Δ=2,230g

DISPLAY STAND



KP14101 Impact Torsion Bars (Thin walled)
17x110Nm, 19x90Nm, 19x110Nm, 21x100Nm,
21x110Nm, 21x130Nm



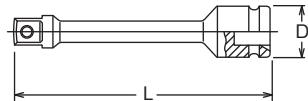
6 Pieces Set/Δ=2,230g

Torsion Bars



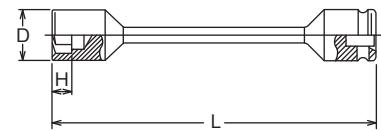
KP14101 Impact Torsion Bars (Thin walled)
17x110Nm, 19x90Nm, 19x110Nm, 21x100Nm,
21x110Nm, 21x130Nm

KP14101/6HMetal-Wall-Hanger for Workshops
Colgador de Pared Metálico para Talleres

14112Torsion 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=1401C, Pin/O-Ring=1401A/B ➔ P254-255

14101MTorsion Bars (for tightening only)
Barras de Torsión (solamente para apriete)

14101M (mmxNm)		D (mm)	H (mm)	L (mm)		(g)		(pce.)	
14x 95Nm		22	11	208	230	1		*1	
15x110Nm		23.2	11	201	230	1		*1	
17x 60Nm		25.7	12	216	227	1		*1	
17x 75Nm		25.7	12	228	240	1		*1	
17x 95Nm		25.7	12	214	256	1		*1	
17x110Nm		25.7	12	204	285	1		*1	
17x120Nm		25.7	12	200	284	1		*1	
19x 60Nm		28.2	13	219	237	1		*1	
19x 90Nm		28.2	13	259	275	1		*1	
19x110Nm		28.2	13	214	278	1		*1	
19x120Nm		28.2	13	203	297	1		*1	
19x135Nm		28.2	13	206	339	1		*1	
19x170Nm		28.2	13	190	332	1		*1	
21x100Nm		30.7	14	214	288	1		*1	
21x120Nm		30.7	14	203	288	1		*1	
22x160Nm		32	15	209	385	1		*1	

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔ P254-255

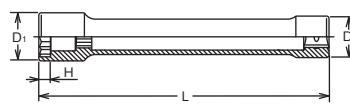
16101M • 18101MTorsion Bars (for tightening only)
Barras de Torsión (solamente para apriete)

18101M (mmxNm)		D (mm)	H (mm)	L (mm)		(g)		(pce.)	
24x350Nm		43.5	24	300	1380	1		*1	
27x350Nm		47	27	300	1401	1		*1	
27x450Nm		47	27	300	1579	1		*1	
30x500Nm		51	30	300	1563	1		*1	
32x450Nm		53.5	32	300	1600	1		*1	
32x550Nm		53.5	32	300	1602	1		*1	
32x600Nm		53.5	32	300	1602	1		*1	
32x700Nm		51.5	32	300	1630	1		*1	
33x550Nm		55	33	300	1638	1		*1	
33x600Nm		55	33	300	1638	1		*1	
36x600Nm		58.5	36	300	1718	1		*1	

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede variar según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

6102M-400
8102M-400Extra long Sockets for Wheel Nuts
Vasos de para Rueda Extra-largos

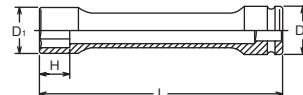
6102M.400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pce. (pce.)
41Wx21W						
32	58	40	14	400	1880	1
33	48.5	40	32	400	1480	1
	49.8	40	32	400	1500	1

8102M.400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pce. (pce.)
41Wx21W						
32	58	49.9	14	400	2610	1
33	48.5	49.9	32	400	2210	1
	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 Impacto para Rueda Extra-largos


16102M.270 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pce. (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	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

16102M.400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pce. (pce.)	○
24	38.8	44	24	400	1430	1	*1
27	42.5	44	27	400	1460	1	*1
30	46.3	44	30	400	1510	1	*1
32	48.8	44	32	400	1530	1	*1
33	50	44	32	400	1530	1	*1
36	53.8	44	32	400	2180	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

18102M.270 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pce. (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	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

18102M.400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	pce. (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	46	54	30	400	2266	1	*1
32	48.5	54	32	400	2322	1	*1
33	49.8	54	32	400	2320	1	*1
34	51	54	32	400	2341	1	*1
36	53.5	54	32	400	2442	1	*1
38	56	54	32	400	2550	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

PW6 (mmxmm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Weight (g)	Qty (pcs.)	Image
32x17		47	44	12	75	633	2	*1
35x17		50	44	13	75	673	2	*1
38x20	3/4"	55	44	14	75	708	2	*1
41x19		58	44	14	80	840	2	*1
41x20		58	44	14	80	840	2	*1
41x21		58	44	14	80	831	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

PW8 (mmxmm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Weight (g)	Qty (pcs.)	Image
35x17		50	54	13	83	935	2	*1
38x20	1"	55	54	14	83	1038	2	*1
41x19		58	54	14	87	1100	2	*1
41x20		58	54	14	87	1096	2	*1
41x21		58	54	14	87	1089	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

SIZE	VEHICLE	SIZE	VEHICLE
32 x 17	TOYOTA (~2t)	41 x 19	MAZDA (3~4t)
35 x 17	NISSAN (~3t) MITSUBISHI (~1t) MAZDA (~2t) ISUZU (~3.5t)	41 x 20	TOYOTA (~2t~) DAIHATSU (2~3.5t) HINO (2~3.5t)
38 x 20	MITSUBISHI (2~3.5t)	41 x 21	NISSAN (~4t~) MITSUBISHI (~2t~) ISUZU (~4t~) HINO (~4t~)

PW8P/4 4 Pieces Set Δ =4,250g
CARDBOARD BOX: W240xH95xT70mm
Sockets

PW8P Impact Rear Wheel Nut Sockets
35x17, 38x20, 41x19, 41x21

PW8P (mmxmm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Weight (g)	Shaft Colour	Qty (pce.)	Image
35x17		50	54	13	83	935	White	5	*1
38x20	1"	55	54	14	83	1038	Red	5	*1
41x19		58	54	14	87	1100	Green	5	*1
41x21		58	54	14	87	1089	Yellow	5	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

PW8L (mmxmm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Weight (g)	Qty (pce.)	Image
41x21	1"	58	54	15	105	1263	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

PS6 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Weight (g)	Qty (pce.)	Image
17		40	44	19	53	433	5	*1
19		40	44	19	53	419	5	*1
20	3/4"	44	44	21	55	483	5	*1
21		44	44	23	57	491	5	*1

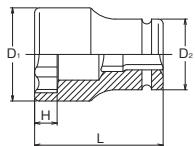
*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

PS8 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Weight (g)	Qty (pce.)	Image
17		40	54	19	60	621	2	*1
19	1"	43	54	19	60	648	2	*1
20		45	54	21	62	687	2	*1
21		45	54	23	64	696	2	*1

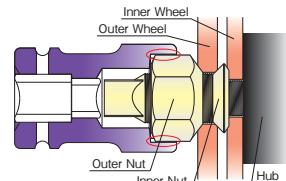
*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

PW6 PW8

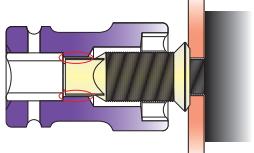
Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna



Tightening / Loosening Outer Nut



Tightening / Loosening Inner Nut



PW8P/4

Socket set of Rear Wheel Nut Sockets
Juego de Vasos de Tuerca de Rueda Interna

PW8P

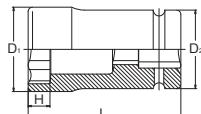


Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna



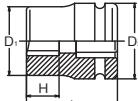
PW8L

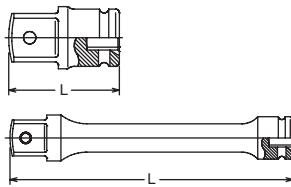
Rear Wheel Nut Socket (long)
Vasos de Tuerca de Rueda Interna (largos)



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 (g)	(pce.)	Ø (mm)
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=1402C, Pin/O-Ring=1402A/B ➔ P254-255

(P8W8P-41X21 + 14488A-200B + 1/2"SQ.Impact wrench)


16316M • 16316A Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna
18316M • 18316A 

16316M (mmxmm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	Ø (mm)
35x17		52	44	10	90	865	1	*1
38x20	3/4"	56	44	13	100	952	1	*1
41x19		59	44	12	100	1037	1	*1
41x21		59	44	15	100	963	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

16316A (inchxinch)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	Ø (mm)
1.1/2x13/16	3/4"	56	44	13	100	940	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

16317M • 16317A Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna
18317M • 18317A 

16317M (mm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	Ø (mm)
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=1600C, Pin/O-Ring=1601A/B ➔ P254-255

16317A (inch)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	Ø (mm)
13/16	3/4"	44	44	22.5	67	489	1	*1

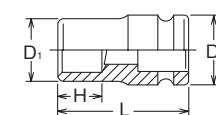
*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔ P254-255

18316M (mmxmm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	Ø (mm)
35x17		52	54	10	108	1153	1	*1
38x20	1"	56	54	13	108	1133	1	*1
41x19		59	54	12	108	1200	1	*1
41x21		59	54	15	108	1155	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

18316A (inchxinch)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	Ø (mm)
1.1/2x13/16	1"	59	54	13	108	1120	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255



18317M (mm)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	Ø (mm)
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	1"	45	54	22.5	72	723	1	*1
20.5		45	54	22.5	72	723	1	*1
21		45	54	22.5	72	703	1	*1
22		45	54	22.5	72	696	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

18317A (inch)	□	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	g (g)	(pce.)	Ø (mm)
13/16	1"	45	54	22.5	72	703	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔ P254-255

Construction



Construction

Z-SERIES

HAND
MANUALESTITANIUM
DE TITANIOACCESSORIES
ACCESORIOSSCREWDRIVERS
DESTORNILLADORESIMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALESPROTECTOR
PROTECTORES

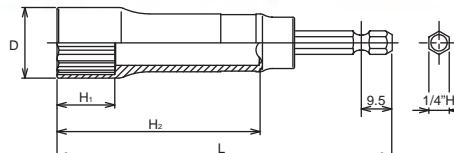
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓNRENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

BD014E



12-point Nut Setters, Deep
Vasos Bihex para Apretar Tuercas, largos



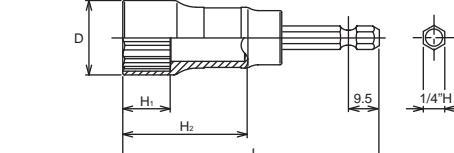
FLAT DRIVE®

BD014E (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
8	12	12	63	104	45	10
10	14	12	63	104	52	10
12	16.5	18	63	104	61	10
13	17.5	18	63	104	65	10
14	19	18	63	104	72	10
17	22.5	18	60	104	80	10
19	24.5	18	60	104	95	10
21	27	18	60	104	110	10
22	28	18	60	104	112	10
24	30.3	18	60	104	123	10

BD014SE



12-point Nut Setters
Vasos Bihex para Apretar Tuercas

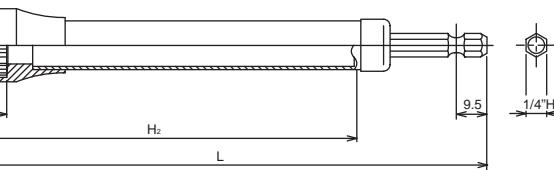


BD014SE (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

BD008E-165 (12P)



12-point Nut Setters, Extra Long
Vasos Bihex para Apretar Tuercas

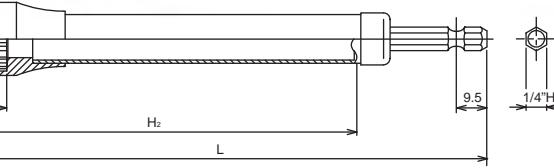


BD008E.165 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
17(12P)	22.5	17	110	165	105	10
19(12P)	24.5	17	110	165	135	10
21(12P)	27	17	110	165	142	10

BD008E-300 · -500 · -700 (12P)



12-point Nut Setters, Extra Long
Vasos Bihex para Apretar Tuercas

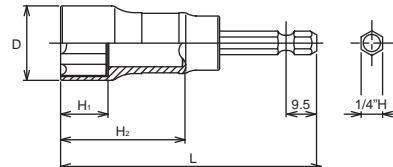
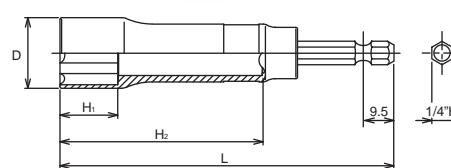


BD008E.300 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
17(12P)	22.5	17	245	300	154	2
19(12P)	24.8	17	245	300	204	2
21(12P)	27.3	17	245	300	214	2

BD008E.700 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
17(12P)	22.5	17	645	700	292	2

BD008E.500 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
17(12P)	22.5	17	445	500	223	2
19(12P)	24.8	17	445	500	293	2

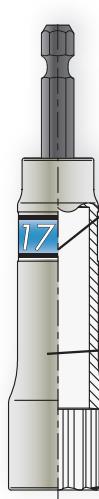
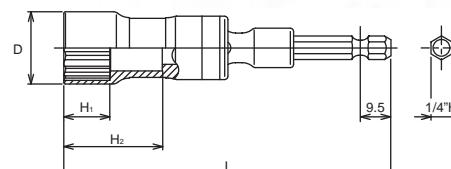
BD014XE (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	⚖ (g)	📦 (pcs.)
8SF	13	12	49	90	40	10
10SF	15	12	49	90	46	10
12SF	17.5	14	48	90	54	10
13SF	18.5	14	48	90	58	10
14SF	19.8	14	47	90	64	10
17SF	23.5	14	46	90	81	10
19SF	25.5	14	46	90	100	10
21SF	28	14	46	90	123	10
24SF	31.5	14	45	90	137	10

BD014XE-SFSurface Drive Nut Setters, Semi-Deep
Vasos semi-largos con Mango**BD014E-SF**Surface Drive Nut Setters
Vasos con Mango**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

BD011SE12-point Universal Joint Nut Setters
Vasos Bihex para Apretar Tuercas con Articulación Universal**Colour Coded**

Easy identification for the sizes.

8 Koken MADE IN JAPAN	12 Koken MADE IN JAPAN	14 Koken MADE IN JAPAN	19 Koken MADE IN JAPAN	22 Koken MADE IN JAPAN
10 Koken MADE IN JAPAN	13 Koken MADE IN JAPAN	17 Koken MADE IN JAPAN	21 Koken MADE IN JAPAN	24 Koken MADE IN JAPAN

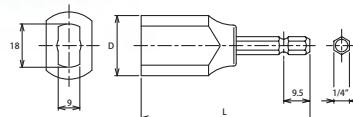
Light Body Design

BD011SE, BD014E and BD014SE are designed 30% light weight for easy handling.

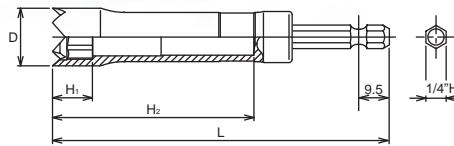
Dark Colour Chrome PlatingSurface treatment is Dark Colour Chrome Plating.
*except BD008E series**12 point Opening / Surface Drive Opening**

Socket opening is designed to 12-point opening and surface drive opening to catch a bolt/nut easy.



BD003E-I

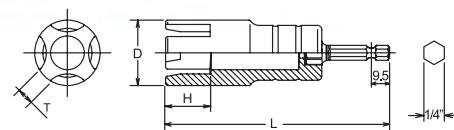
	D (mm)	L (mm)		(g)		(pcs.)
BD003E-I	25	70		95		10

BD013E

	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)		(g)		(pcs.)
BD013E	12	17.8	12.5	63		69		10

BD017E

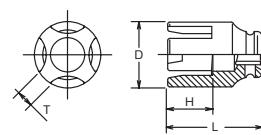
Wing Bolt Socket for Electric Drill
Vaso para Tuerca de Orejetas para Taladro eléctrico



	D (mm)	T (mm)	H (mm)	L (mm)		(g)		(pcs.)
BD017E	31	7.3	21	104		158		10

BD018

Wing Bolt Socket
Vaso para Tuerca de Orejetas

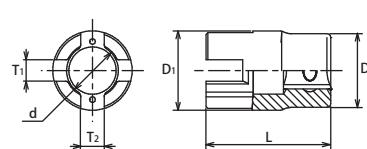


		D (mm)	T (mm)	H (mm)	L (mm)		(g)		(pcs.)
BD018		31	7.3	21	45		113		10

*2 C-Ring=1302C, Pin/O-Ring=1401A/B → P254-255

3119

Wing Bolt Socket
Vaso para Tuerca de Orejetas



3119 (mm)		T ₁ ×T ₂ (mm)	D ₁ (mm)	D ₂ (mm)	d (mm)	L (mm)		(g)		(pcs.)
3 ×5		3 × 5	17	17.3	11	30		30		10
5.5×6		5.5×6	21	19.5	14	33		45		10

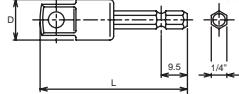


For Wing Bolt
Para Tuerca de Mariposa

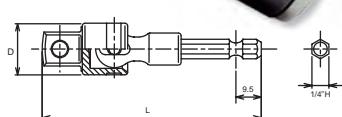


For Drain Plug in Radiator
Para conectores de drenaje en Radiadores

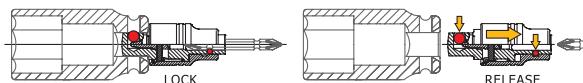
BD023E		D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	12.5	55	27	10
1/2	1/2"	16.5	60	48	10

BD023E Adaptor Adaptador

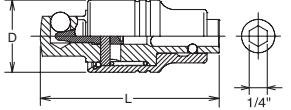
BD024E		D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	19.3	78	63	10
1/2	1/2"	19.3	82	73	10

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

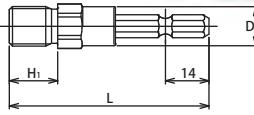
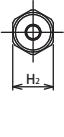
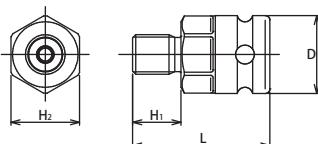
123PN.150 123PG.150 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	150	36	10
2	6.35	150	36	10
3	6.35	150	37	10

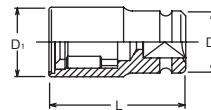
Groove position: Japanese model

184.64	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3/8x24UNF	12.5	14.5	13	64	34	10
1/2x20UNF	12.5	15.5	13	64	40	10

14184		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	(C)
3/8x24UNF	1/2"	25	14.5	22	44	85	10	*1
1/2x20UNF	1/2"	25	15.5	22	44	88	10	*1

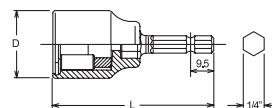
*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡ P254-255

123PN-65 · -110 · -150 Double ended Bits Puntas Phillips, simétricas
123PG-65 · -110 · -150 Magnetic type**184.64** Drill Chuck Adaptor Adaptador porta-brocas para Taladro**14184** Drill Chuck Adaptor Adaptador porta-brocas para Taladro

BD004 ○ Impact Screw and Stud Setters
Vasos de Impacto para Atornillar Pernos y Espárragos


BD004 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12.5x10		30	25	70	236	5	*1
12.5x13	1/2"	38	30	75	388	5	*2
12.5x16		38	30	75	369	5	*2
20 x19		48	44	90	775	2	*3
20 x22	3/4"	48	44	90	752	2	*3
20 x25		62	44	95	1184	2	*3
20 x29		62	44	95	1148	2	*3

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
*3 C-Ring=1600C, Pin/O-Ring=1601A/B
→ P254-255

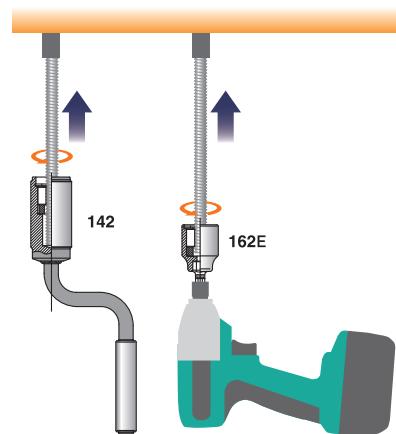

162E ○ Stud Setters
Vasos de Atornillar Espárragos


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 → P307

142 ○ Stud Setters
Vasos de Atornillar Espárragos

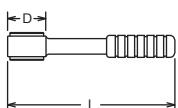

142 (inch)	L (mm)	(g)	(pce.)
5/16	190	304	1
3/8	190	361	1
1/2	190	354	1



141S (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

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

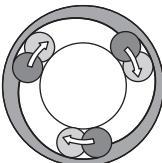
141S Stud Puller Ratchets
Extractores de Espárragos de Carraca



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

141 (inch)	D (mm)	L (mm)	(g)	(pce.)
5/16	28	205	215	1
3/8	32	205	234	1
1/2	32	205	233	1

141 Stud Puller Ratchets
Extractores de Espárragos de Carraca



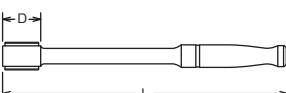
Stud Puller Ratchet (141S/141/141P)

The three roller system can protect the studs from damage.

El sistema de tres rodillos puede proteger los espárragos de cualquier daño

141P (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	205	210	1
8	28	205	210	1
10	32	205	229	1
12	32	205	227	1

141P Stud Puller Ratchets
Extractores de Espárragos de Carraca

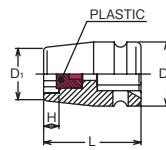


1201	4 Pieces Set	=973g
METAL CASE:W240xH100xT32mm		
Pullers		
141S Stud Puller Ratchets 6, 8, 10, 12		



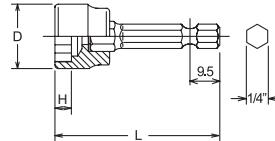
1201 Stud Puller Ratchets Set
Juego de Extractores de Espárragos de Carraca



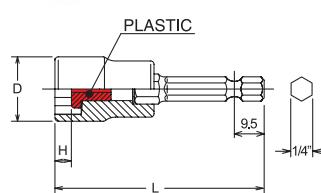
BD14400MJ6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje

BD14400MJ (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Weight (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=1401C, Pin/O-Ring=1401A/B
 *2 C-Ring=1402C, Pin/O-Ring=1402A/B → P254-255

BD016E6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje

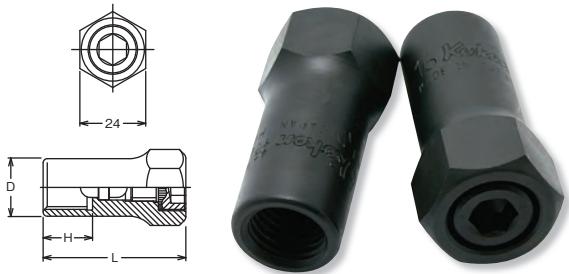
BD016E (mm)	D (mm)	H (mm)	L (mm)	Weight (g)	(pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

BD016JE6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje

BD016JE (mm)	D (mm)	H (mm)	L (mm)	Weight (g)	(pcs.)
13	19.5	5	60	66	10
17	24.5	6.5	60	80	10
19	27	7.5	60	90	10

HA001	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.25)	17.2	15	49	100	10
16(2.0)	21	18	52	125	10
20(2.5)	24.5	21	56	155	10
22(2.5)	26.5	27	61	175	10
24(3.0)	28	28	62	185	10

HA001 Stud Setters Vasos para Atornillar Espárragos

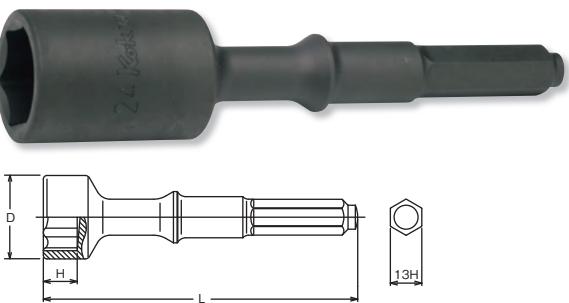


HA002.130	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	130	246	10

HA002.160	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	160	465	10

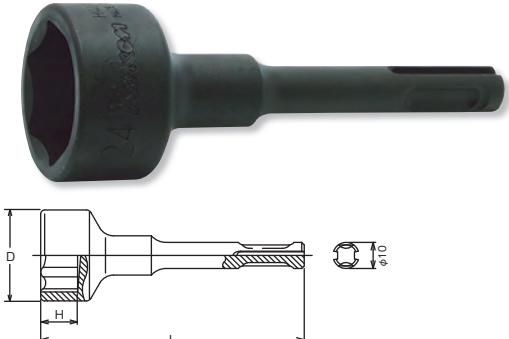
HA003.100	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	100	155	10

HA002-130 · -160 Socket for HA001 Vaso para HA001

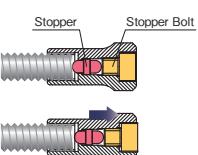
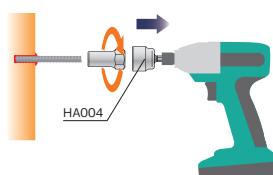
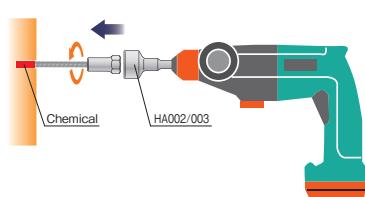
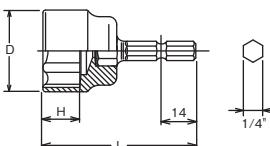


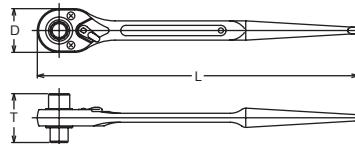
HA004	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	31	16.5	58	91	10

HA003-100 Socket for HA001 Vaso para HA001

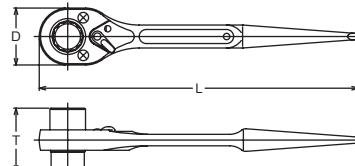


HA004

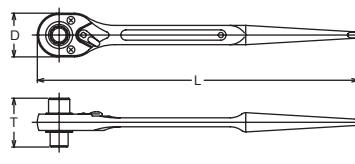


170S  Spud Handle Ratchets
Llaves de Carraca con Mango de Cola

170S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
10x12	34	38	250	260	1
10x13	34	38	250	260	1
10x14	34	38	250	260	1
11x13	34	38	250	260	1
12x14	34	38	250	260	1

171S  Spud Handle Ratchets(Short)
Llaves de Carraca con Mango de Cola(Cortas)

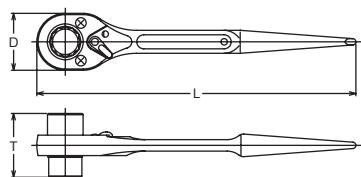
171S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
13x17	44.6	50	250	460	1
14x17	44.6	50	250	460	1
17x19	44.6	50	250	460	1
17x21	44.6	50	250	460	1
17x22	44.6	50	250	460	1
19x21	44.6	50	250	460	1
19x22	44.6	50	250	460	1

171  Spud Handle Ratchets(Long)
Llaves de Carraca con Mango de Cola(Largas)

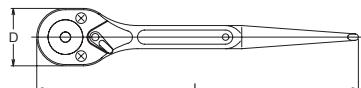
171 (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
13x17	44.6	50	380	630	1
14x17	44.6	50	380	630	1
17x19	44.6	50	380	630	1
17x21	44.6	50	380	630	1
17x22	44.6	50	380	630	1
19x21	44.6	50	380	630	1
19x22	44.6	50	380	630	1

172  Spud Handle Ratchets
Llaves de Carraca con Mango de Cola

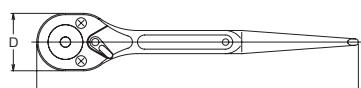

172 (mm)	D (mm)	T (mm)	L (mm)		(g)		(pce.)
19x24	68	58	380		1100		1
21x26	68	58	380		1100		1
22x24	68	58	380		1100		1
23x26	68	58	380		1100		1
24x27	68	58	380		1100		1
24x30	68	58	380		1100		1
26x32	68	63	380		1100		1
27x32	68	58	380		1100		1
30x32	68	58	380		1100		1


171SB-1/2 Spud Handle Ratchet with Push Button(short)
Llave de Carraca con Mango de Cola con Botón(corta)


		D (mm)	T (mm)	L (mm)		(g)		(pce.)
171SB-1/2		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.

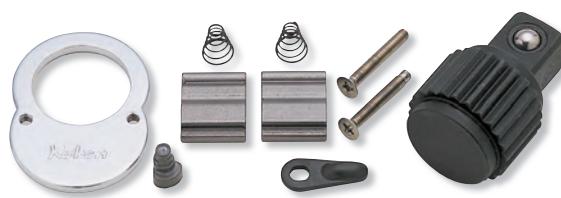
Ko-ken da la bienvenida a todas las solicitudes por herramientas especiales de nuestros clientes.
Productos nuevos pueden ser diseñados y fabricados de acuerdo a sus necesidades. Por favor haga su solicitud a través nuestra red de distribuidores.

Renewal Kits



Renewal Kits

RENEWAL KITS JUEGOS DE PIEZAS REPUESTO	AUTOMOTIVE CONSTRUCCION INDUSTRIAL	PROTECTOR PROTECTORES	SLEEVE-DRIVE DE IMPACTO	IMPACT DE IMPACTO	SCREWDRIVERS DESTORNILLADORES	ACCESSORIES ACCESORIOS	TITANIUM DE TITANIO	HAND MANUALES	Z-SERIES
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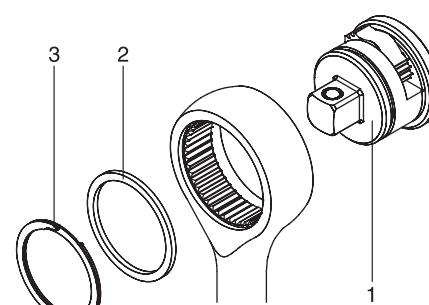
1-1 Reversion Cam
 1-2 Reversion Lever
 2 Dog
 3 Spring
 4 Square Drive
 5 Cover plate
 6 Screw



1-1 Reversion Cam
 1-2 Reversion Lever
 2 Dog
 3 Spring
 4 Square Drive
 5 Cover plate
 6 Screw

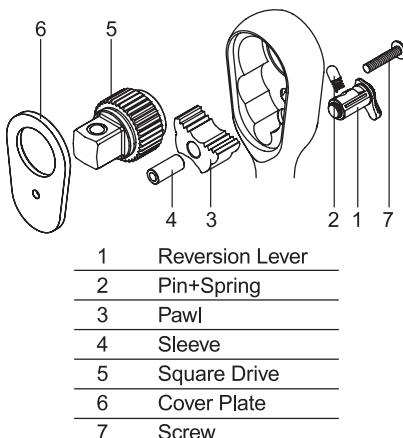
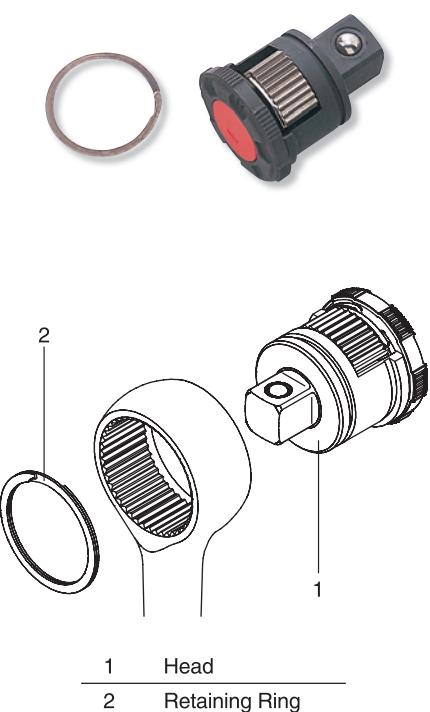
		Products	(g)	(pce.)
2749RK		2749N/P/J	30	1
2753RK	1/4"	2753N/P/J, 2753PS/PSKR, 2753P-160, 2774PS/JS, 2774N/P/J	30	1
2753BRK		2753NB/PB/JB	31	1
2749RK-3/8		2749PS-3/8, 2749N-3/8, 2749P-3/8, 2774PS-3/8, 2774JS-3/8	45	1
3749RK		3749S, 3749N	70	1
3749BRK	3/8"	3749SB	84	1
3753RK		3753N/P/J, 3753SM, 3753P-250, 3774N/P/J, 2774PS, 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		4750N/P/J	130	1
4750BRK	1/2"	4750NB/PB/JB	130	1



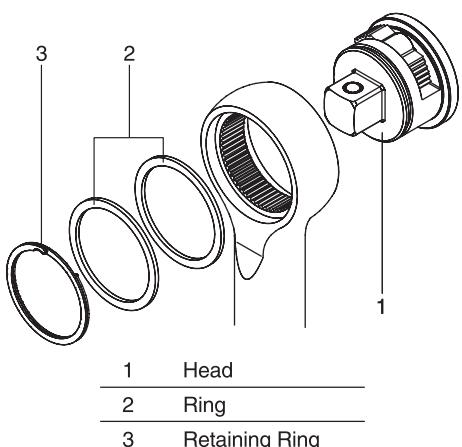
1 Head
 2 Ring
 3 Retaining Ring

		Products	(g)	(pce.)
2752RK	1/4"	2752N	42	1

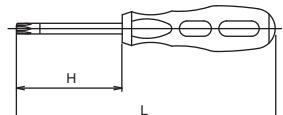


	<input type="checkbox"/>	Products	$\Delta\Delta$ (g)	$\Delta\Delta$ (pce.)
3752RK	<input checked="" type="checkbox"/> [3/8"]	3752N/J, 3757, 3776N/P/J	84	1
4752RK	<input checked="" type="checkbox"/> [1/2"]	4752N/J	140	1

	<input type="checkbox"/>	Products	$\Delta\Delta$ (g)	$\Delta\Delta$ (pce.)
2725RK	<input checked="" type="checkbox"/> [1/4"]	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
2725RK-3/8	<input checked="" type="checkbox"/> [3/8"]	2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8(L160)	45	1
3725RK	<input checked="" type="checkbox"/> [3/8"]	3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
4725RK	<input checked="" type="checkbox"/> [1/2"]	4725Z	120	1



TORXPLUS® 6IP Screwdriver for 2725RK
TORXPLUS® 8IP Screwdriver for 3725RK
TORXPLUS® 10IP Screwdriver for 4725RK



	<input type="checkbox"/>	Products	$\Delta\Delta$ (g)	$\Delta\Delta$ (pce.)
6752RK	<input checked="" type="checkbox"/> [3/4"]	6752	600	1

168T (IP)	H (mm)	L (mm)	$\Delta\Delta$ (g)	$\Delta\Delta$ (pce.)
6IP(40)	40	110	20	1
8IP(40)	40	110	20	1
10IP(40)	40	110	22	1

Renewal Kits

Z-SERIES
HAND
MANUALES

TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

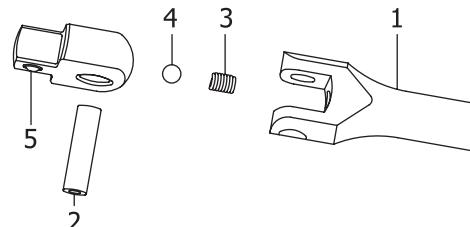
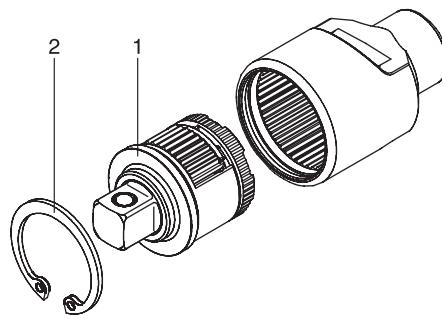
INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

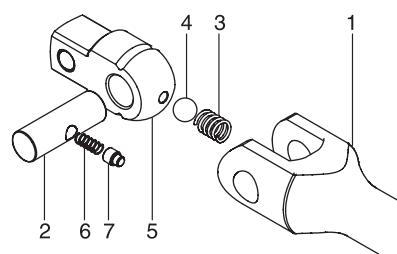
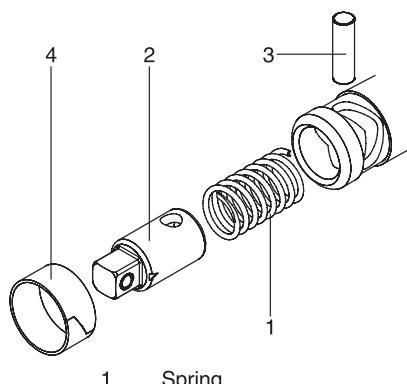


1 Head
2 Retaining Ring

1 Body
2 Pin
3 Coil Spring
4 Ball
5 Square Drive

	<input type="checkbox"/>	Products		
2755RK	<input checked="" type="checkbox"/>	2755	40	1
3755RK	<input checked="" type="checkbox"/>	3755	98	1
4755RK	<input checked="" type="checkbox"/>	4755	137	1
6755RK	<input checked="" type="checkbox"/>	6755	550	1

	<input type="checkbox"/>	Products		
2768RK	<input checked="" type="checkbox"/>	2768N/P/J	40	1
6768RK	<input checked="" type="checkbox"/>	6768, 6768-600, 6768-1000	98	1
8768RK	<input checked="" type="checkbox"/>	8768, 8768-1000	137	1



1 Spring
2 Square Drive
3 Pin
4 Retaining Ring

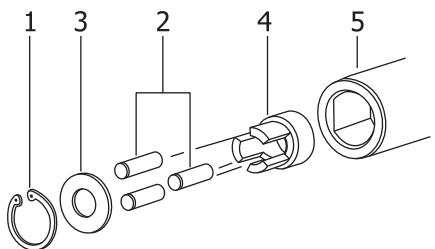
1 Body
2 Pin
3 Coil Spring
4 Ball
5 Square Drive
6 Coil Spring
7 Plunger

	<input type="checkbox"/>	Products		
3112RK	<input checked="" type="checkbox"/>	3112N/J	106	1
4112RK	<input checked="" type="checkbox"/>	4112N/J	116	1
6112RK	<input checked="" type="checkbox"/>	6112	445	1

	<input type="checkbox"/>	Products		
3768RK	<input checked="" type="checkbox"/>	3768N-175/250/300, 3768P-250/380, 3768J-250	40	1
3768ZRK	<input checked="" type="checkbox"/>	3768Z-250/400	40	1
4768RK	<input checked="" type="checkbox"/>	4768N-300/380/450/600, 4768N-380/450/600, 4768J-380/450/600, 4781N-450	137	1
4768ZRK	<input checked="" type="checkbox"/>	4768Z-430	137	1



RENEWAL KIT FOR
HINGE HANDLE



1 Retaining Ring
 2 Roller
 3 Cover
 4 Cage
 5 Body

4100MRK (mm)		Products	(pce.)
6		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		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		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

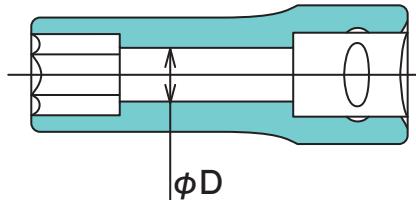
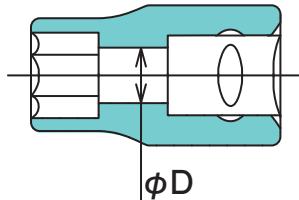
162RK		Products	(pce.)
5/16		162N-5/16	1
3/8		162N-3/8	1
1/2		162N-1/2	1
10		162N-10	1

HAND SOCKETS / Diameter of Bore

Standard Socket



Deep Socket

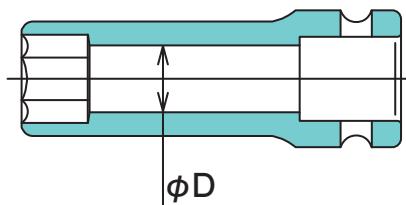
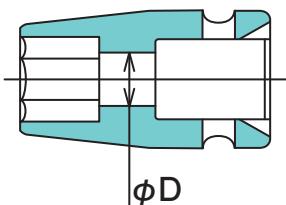


SOCKET	1/4"Ø		3/8"Ø		1/2"Ø		3/4"Ø		1"Ø
	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	Standard
Ø	2400M 2400A	2300M 2300A	3400M 3400A	3300M 3300A	4400M 4400A	4300M 4300A	6400M 6400A	6300M 6300A	8400M 8400A
Ø	2405M 2405A	2305M 2305A	3405M 3405A	3305M 3305A	4405M 4405A	4305M 4305A	6405M 6405A	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" Ø		3/8" Ø		1/2" Ø		3/4" Ø		1" Ø	
	Standard	Standard	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep
Ø	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		

Equivalent Standard Bolt Diameters



of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

Equivalent Standard Bolt Diameters



of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

- 1) max-min. dimensions for metric sizes according to DIN 475/2, series 1
- 2) DIN 439, 555, 601, 609, 610, 917, 931, 933, 934, 935, 936, 937, 960, 961, 979, 980, 985, 986, 1587, 2510/5, 6330, 6331, 7513, 7964, 7967, 7968, 7976, 7990
- 3) NFE 27-311 is identical to ISO R 272 since Oct.1969
- 4) Standards prior to 1966
- 5) Only applicable to Motor industry(M 10 acc.to DIN 70 613 through 70 618)
- 6) Standards prior to 1963

- a) Hex Flat and Hex Flat Jam Nuts
Hex Nuts and Hex Jam Nuts
Hex Slotted Nuts
Hex Thick Nuts
Hex Thick Slotted Nuts
Hex Castle Nuts
 - b) Square Nuts
 - c) Heavy Square Nuts
Heavy Hex Flat Nuts
Heavy Hex Flat Jam Nuts
Heavy Hex Nuts
Heavy Hex Jam Nuts
Heavy Hex Slotted Nuts

- d) Square Bolts
Hex Bolts
Hex Cap Screws
Lag Screws
 - e) Heavy Hex Bolts
Heavy Hex Structural Bolts
Heavy Hex Screws
 - f) ANSI B 18.6.3-1962
 - g) ANSI B 18.6.2-1956
 - h) ANSI B 18.6.3-1962

※ Square Bolt and Lag Screw

ANSI B 18.2.2-1972

- f) ANSI B 18.6.3-1962
- g) ANSI B 18.6.2-1956
- h) ANSI B 18.6.3-1962

※ Square Bolt and Lag Screw only

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(o)

TORX is a registered trademark of Acument Intellectual Properties, LLC.

TORX es una marca registrada de Acument Intellectual Properties, LLC.

TORXplus is a registered trademark of Acument Intellectual Properties, LLC.

TORXplus es una marca registrada de Acument Intellectual Properties, LLC.

LHSTIX is a registered trademark of OSG CORPORATION System Engineering Department.

LHSTIX es una marca registrada de OSG CORPORATION System Engineering Department.

TORX®/TORXplus® BITS

		S ₁ (mm)	S ₂ (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

TORXplus® With Hole BITS

	S ₁ (mm)	S ₂ (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

XZN BITS

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

TORX®/TORXplus® SOCKETS

	S ₁ (mm)	S ₂ (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

LHstix®(LH-S) SOCKETS

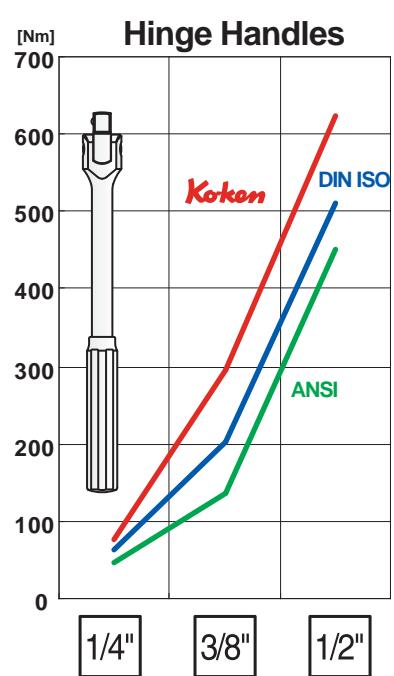
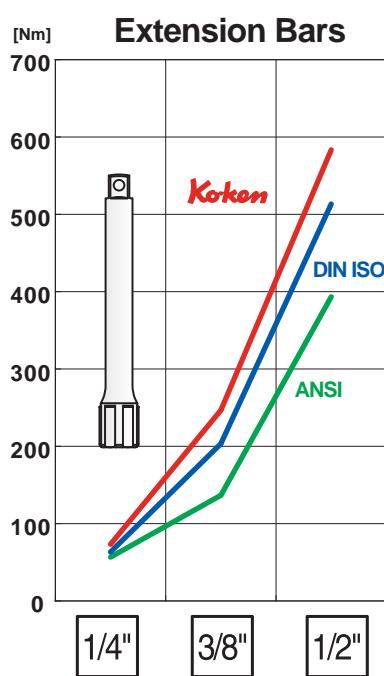
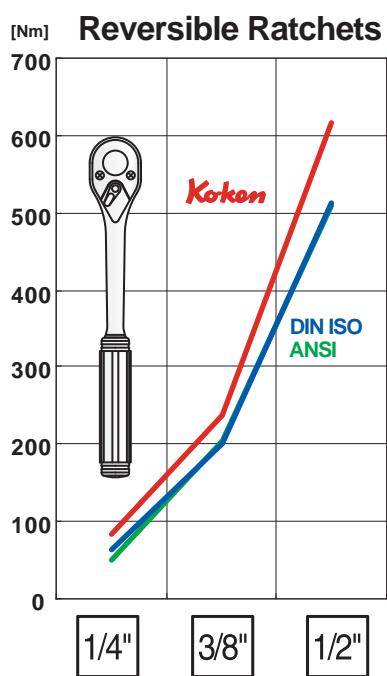
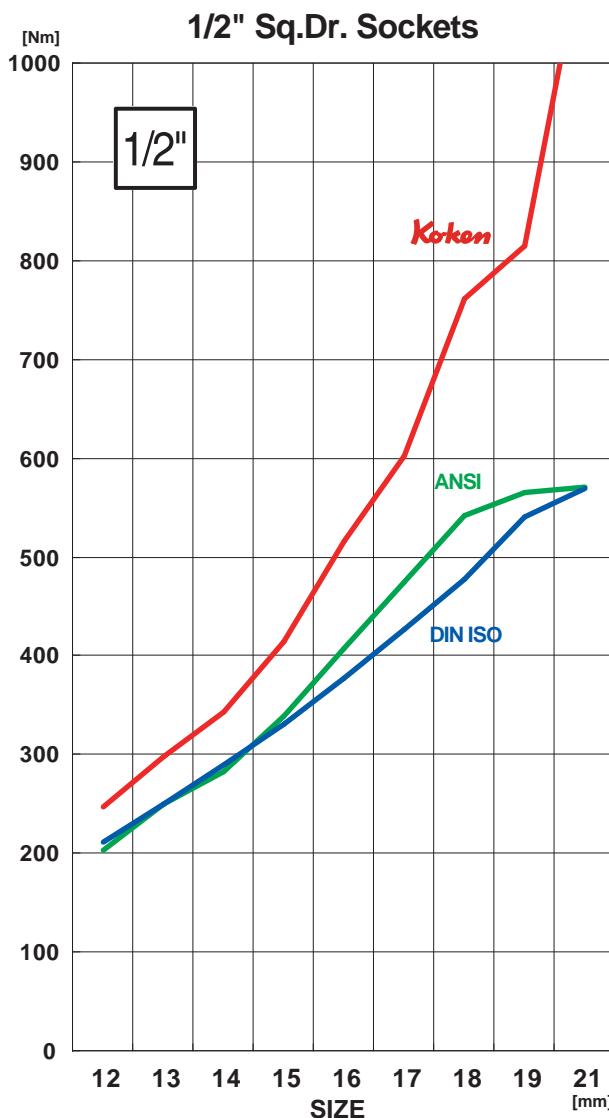
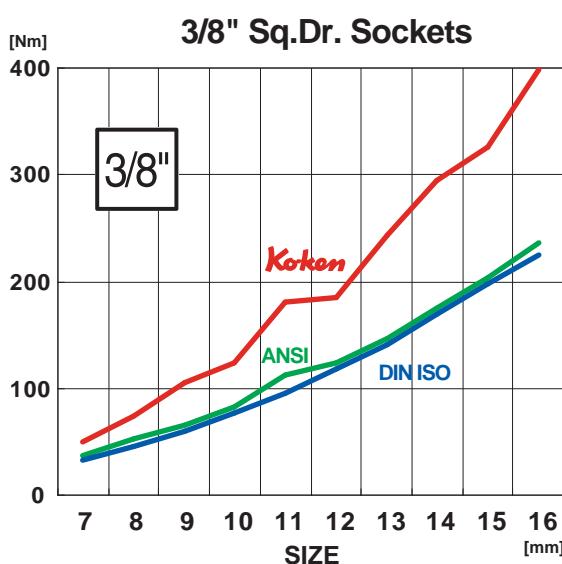
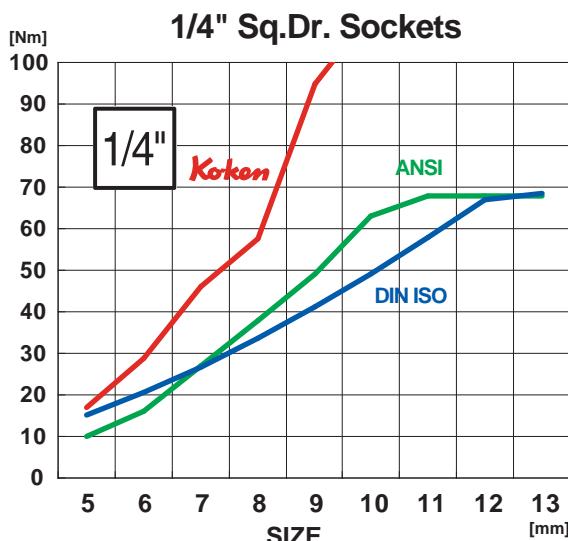
	S ₁ (mm)	S ₂ (mm)
LH3S	3.8	4.7
LH4S	4.5	6.0
LH5S	5.6	7.5
LH6S	6.8	9.0
LH7S	7.9	10.5
LH8S	9.0	12.0
LH10S	11.3	15.0
LH12S	13.6	18.0
LH14S	15.8	21.0
LH16S	18.1	24.0

Ribe CV BITS

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

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LHstix® es una marca registrada de OSG CORPORATION System Engineering Department.

Conversion Table: American Inches-Decimal Inches-Millimeter													
in	dec.in.	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
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
1/16	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	230.1875	255.5875	280.9875
5/64	0.07813	1.9844	27.3844	52.7844	78.1844	103.5844	128.9844	154.3844	179.7844	205.1844	230.5844	255.9844	281.3844
3/32	0.09375	2.3813	27.7813	53.1813	78.5813	103.9813	129.3813	154.7813	180.1813	205.5813	230.9813	256.3813	281.7813
7/64	0.10938	2.7781	28.1781	53.5871	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	186.7375	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	164.3094	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	66.281	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	172.4438	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	172.8406	198.0406	223.4406	248.8406	274.2406	299.6406
13/16	0.81250	20.6375	47.1475	96.8375	122.2375	147.6375	173.0375	198.4375	223.8375	249.2375	274.6375	300.0375	
53/64	0.82813	21.0344	47.4434	97.2344	122.6344	148.0344	173.4344	198.8344	224.2344	249.6344	275.0344	300.4344	
27/32	0.84375	21.4313	47.8313	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	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	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	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	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	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	100.0125	125.4125	150.8125	176.21						



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10099A	246	12400A	186	13460M	192	14405M	202
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100P	166	12400M	186	13465M	191	14406M	203
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100S	166	12410M	186	137	158	14415M	205
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100T (TH)	166	12460A	187	13760-P.FR	265	14425-EPL	205
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101A	161	12460M	187	13771	201	14440A	209
101B	160	12460MG	187	13772	201, 279	14440M	209
101H	160	12465M	187	138	158	14444AL	215
101P	160	124M (2B)	151	139	158	14455A	216
101S	160	12760	188	14012M	210	14465M	205
101T (T)	160	12770	188	14025	210	14466A	216
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108H	164	13241M	201	14145M	214	15566A	219
108P	164	13242M	201	14145PM	282	156M	150
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113UN	173	13306M	194	14208M	217	16102M	288
115	172	13310M	194	14209M	216	16106	225
115G	173	13322A	201	14210M	216	16106-16	225
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1202	161	13400A	189	14242M	217	16134	175
1203	158	13400AG	189	14245M	217	16201A	229
1206	276	13400M	189	14300A	207	16201M	229
1210	277	13400M-FR	265	14300G	209	16245M	229
1210E	277	13400MG	189	14300M	207	162E	296
1212	278	13400-WN	192	14301A	207	162RK	307
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12233A	188	13425-EPL	191	14400MG	204	16317M	290
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12365M	188	13440M	195	14401LH	206	16400M	220
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123PT	170	13460AG	192	14405A	202	16405A	220

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165LM	170	18410M	232	2350M	44	2771	55
16644A	228	184-64	295	2350X	42	2771Z	26
16655A	228	186	176	23760-P	260	2772Z	26
16666AL	228	18760	238	2400A	40	2774J	52
16688A	228	18770	238	2400M	40	2774JS	51
166P	180	18771	238	2400MZ	23	2774JS-3/8	84
166PS/6	180	18866A	239	2400W-BA	41	2774N	52
166S	180	18877A	239	2405A	40	2774P	52
16760	227	18888AL	238	2405M	40	2774P-1/4HF	165
16770	228	19300M	245	2410M	41	2774P-5/16HF	167
16771	228	19400A	244	2415A	41	2774PS	51
167A	178	19400M	244	2415M	41	2774PS-3/8	84
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167M	178	19770	245	24300A	262	2785	55
168C	181	19977A	245	24300M	262	280PM	282
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169WM	278	2120	52	2450MS	42	3025 (IPR)	78
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