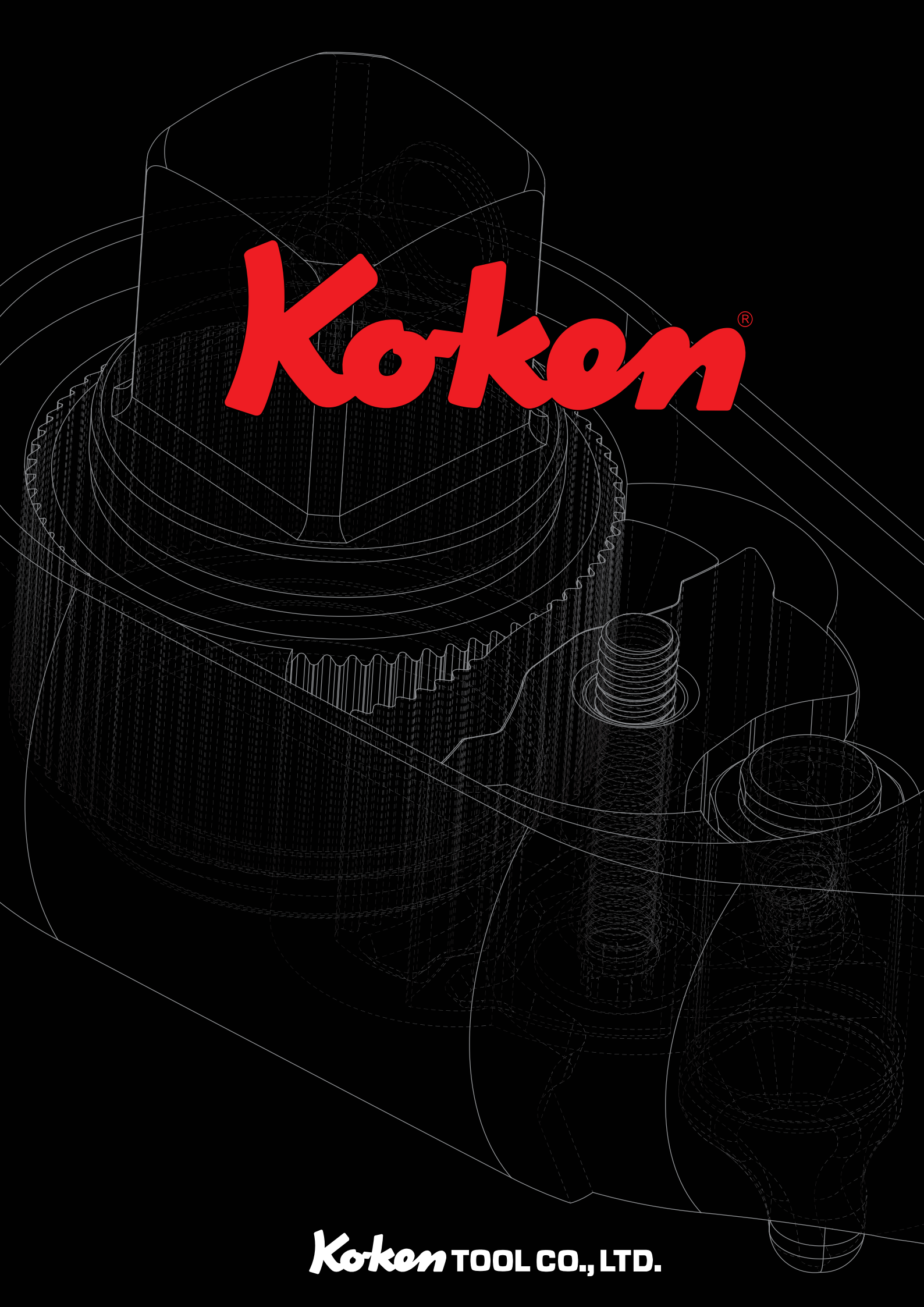


A detailed technical line drawing of a mechanical assembly, possibly a pump or a valve, rendered in white lines on a black background. The drawing shows various components including a large cylindrical body, a central shaft, and several smaller parts like a spring and a valve. The word "Koken" is superimposed in a large, bold, red, stylized font across the upper part of the drawing.

Koken[®]

Koken TOOL CO., LTD.





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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Pictograms Socket openings / Bit shape					
	FLAT DRIVE® (6-point)		TORX® (E)		TORX® (T)
	FLAT DRIVE® (12-point)		NUT GRIP® / TORX® (E)		Tamper-Resistant TORX® (TH)
	NUT GRIP®		TORXplus® (EP)		TORXplus® (IP)
	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(6-point)	 	1/4"(6.35mm) Sq. Dr.
	S.O.D.H-System® (4750 series)		Thin-Walled(12-point)	 	3/8"(9.5mm) Sq. Dr.
	Two-Step Dog		with Magnet	 	1/2"(12.7mm) Sq. Dr.
	Three-Step Dog		20 tooth Gear	 	5/8"(15.9mm) Sq. Dr.
	Quick Release Button		24 tooth Gear	 	3/4"(19.0mm) Sq. Dr.
	Flexible Head		30 tooth Gear	 	1"(25.4mm) Sq. Dr.
	Swivel Head		36 tooth Gear	 	1.1/2"(38.1mm) Sq. Dr.
	L/R Marking		44 tooth Gear	 	2.1/2"(63.5mm) Sq. Dr.
	Oval Shape Shank		45 tooth Gear	 	3.1/2"(88.9mm) Sq. Dr.
	Wobble-Fix		60 tooth Gear		Caution
			72 tooth Gear		Modification

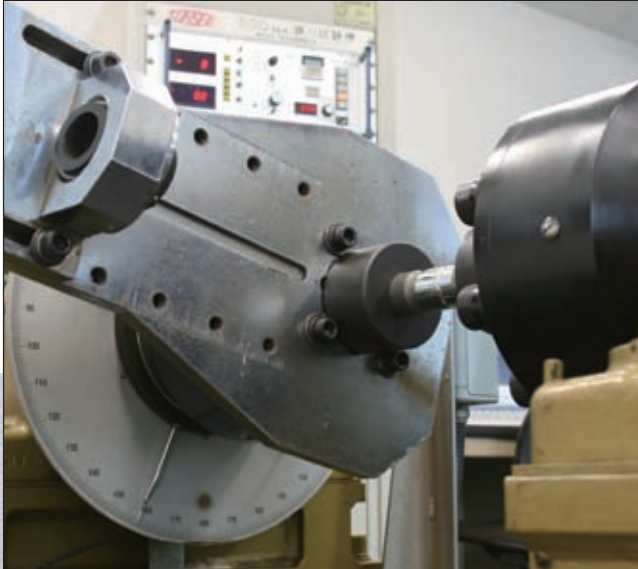


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■ TEST AND LABORATORY



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



■ DESIGN AND DEVELOPMENT



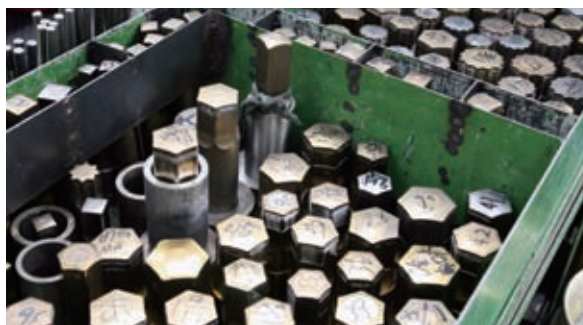
The 3D-CAD is used to improve standard products, designing new products and making customized items for special requirements. Trial products are regularly developed, manufactured and tested to improve the durability, appearance and functionality of all tools produced by Ko-ken.



■ FORGING



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



■ TURNING



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



■ HEAT TREATMENT



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



■ INSPECTION



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





FLAT DRIVE®



FLAT DRIVE®

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

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

SOCKETS



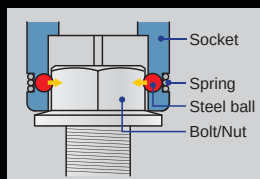
NUT GRIP®



NUT GRIP®



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

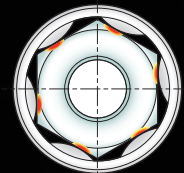


El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable.

SURFACE DRIVE



SURFACE DRIVE



Surface drive sockets are designed to retain contact with 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



S.O.D.H.-System®

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

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

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

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



Two-Step Dog

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

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



Three-Step Dog

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

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

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

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



SHAPE of HANDLE



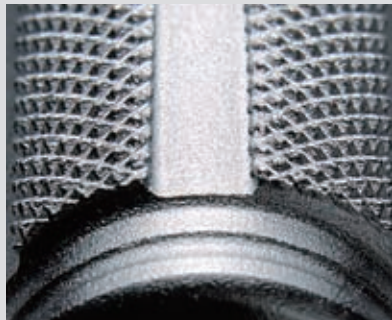
OVAL SHAPE SHANK



Unique designed oval shape shank provides extra strength and durability.

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

KNURLING



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

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



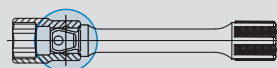
WOBBLE-FIX



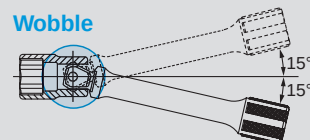
One use as a flexible extension bar permitting movement up to 15° angle and the other as a normal extension bar.

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

Fix



Wobble





STUD BOLT PULLER/SETTER

STUD BOLT PULLER



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



RATCHET PULLER



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

Three-roller protects the bolt from damage.

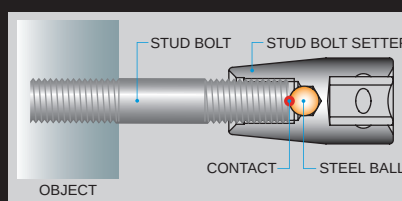


STUD BOLT PULLER



STUD BOLT SETTER

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



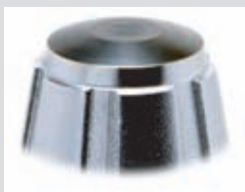
STUD BOLT SETTER



ATTACK DRIVER®

1 BLACK FINISHED HEAD

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



1 3 HEAT TREATMENT FOR ANTI-CRACK

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

3 SPRING

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



2 BODY SHAPE

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



ATTACK DRIVER®

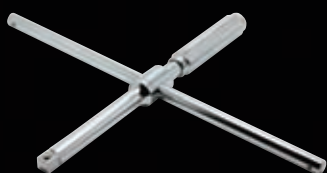




FREE-TURN GRIP



FREE-TURN
CROSS WRENCH



SPINNING CROSS WRENCH

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



FLEXIBLE SPEEDER

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



SPINNING SLIDE T-HANDLE

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



IMPACT WHEEL NUT SOCKET



WHEEL NUT SOCKET

PLASTIC PROTECTOR

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

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

EXTRA THIN-WALLED



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

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

SPARK PLUG SOCKET



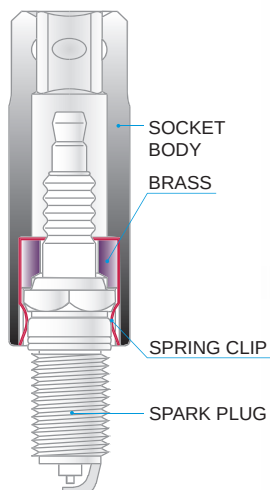
SPARK PLUG SOCKET

CLIP TYPE

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

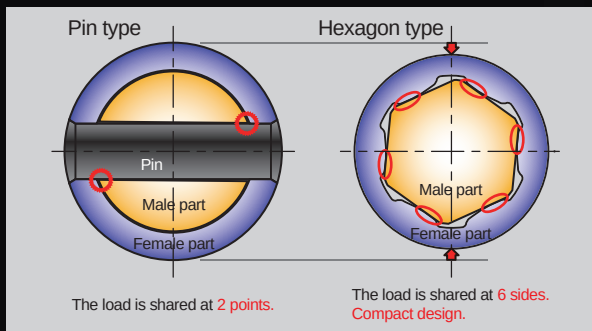
Internal brass guide holds the clips in place ensuring perfect alignment of the spark plug into the threaded plughole of the cylinder head and thus preventing thread damage.

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



UNIVERSAL JOINT

Hexahedral engagement achieved with compact design



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

Being connected by mutually engaged hexahedrons, the load is dispersed across the whole outer circumference.

High durability is obtained with this innovative, compact design.



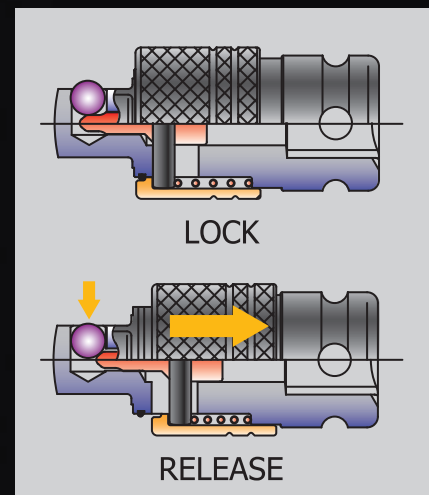
LOCKING ADAPTOR

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

It can reduce the time to change a socket, especially when you need to use a variety of socket sizes.



LOCKING
ADAPTOR





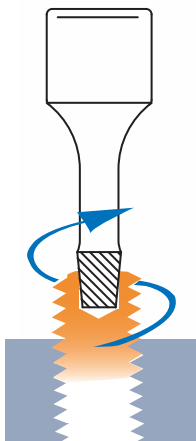
NUTTWISTER®



BOLTTWISTER®



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

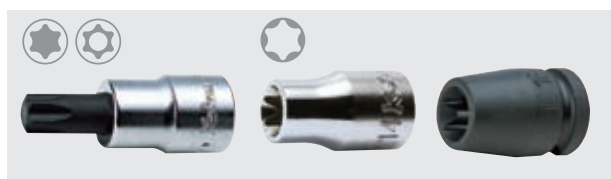


•• **TORX® / TORXplus® & LHSTIX®**

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

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

TORX® & TORXPLUS®



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LHSTIX®



Line Head Straight
LH-S series



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Registered Trademarks

Koken®



Koken TOOL CO., LTD.®

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

山下工業研究所®

山下工研®

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

GARANTIA

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

ISO9001





SAFETY
ADVISER



GENERAL / CONSIDERACIONES GENERALES

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

SOCKETS / VASOS

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

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

HANDLES / MANGOS

A ratchet is not a hammer

Una llave de carraca no es un martillo.

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

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

EXTENSION BARS / ALARGADERAS

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

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

ADAPTORS / ADAPTADORES

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

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

Koken®

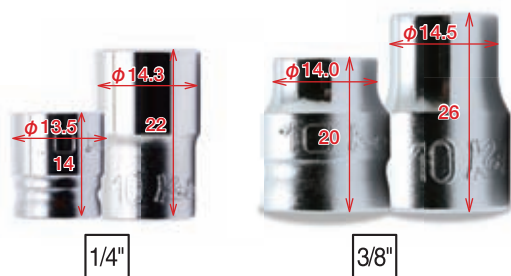
Z-series



Z-Series : Feature

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

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

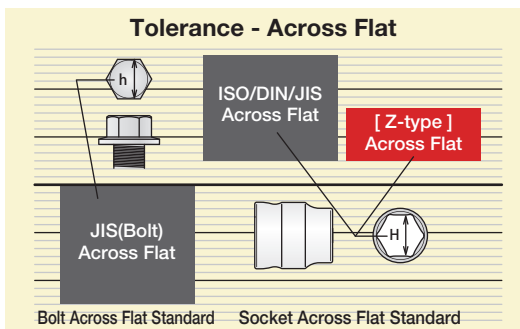


COMPACT

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

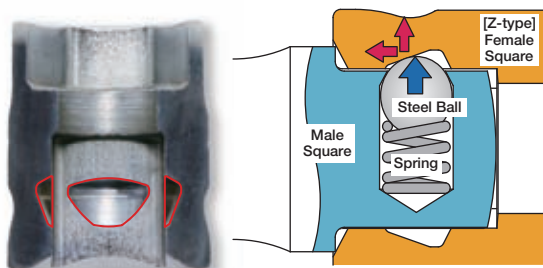
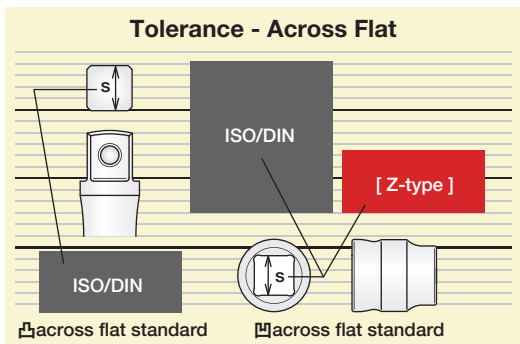
TOLERANCE-Hexagon Opening

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.



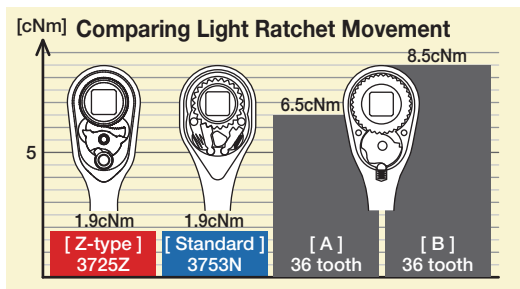
BALL HOLDING GROOVE

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



RATCHET HANDLE

Smaller head with 72/36 tooth gear and light ratchet movement allow working in narrow space and confined areas.



* A, B : Other Brand

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

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

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

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

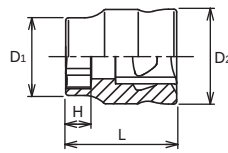
2300MZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
4	6.4	11	5	41	50	14	10
4.5	7	11	5.5	41	50	16	10
5	7.6	11	6	41	50	16	10
5.5	8.2	11	6.5	41	50	16	10
6	8.8	11	7	41	50	17	10
7	9.9	11	8	41	50	20	10
8	11.1	11.7	9	41	50	22	10
10	13.5	12.5	11	41	50	29	10
11	14.7	13.2	12	41	50	33	10
12	15.9	14.4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

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



2400MZ

6-point Sockets
Vasos Hexagonales



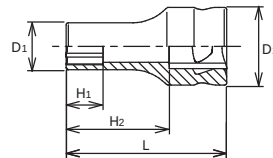
RS2400MZ/12

Socket Set on Rail
Juego de Vasos en Regleta



2300XZ

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



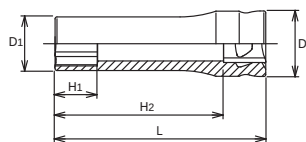
RS2300XZ/9

Socket Set on Rail
Juego de Vasos en Regleta



2300MZ

6-point Deep Sockets
Vasos Hexagonales Largos

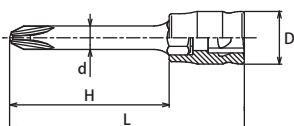


RS2300MZ/12

Socket Set on Rail
Juego de Vasos en Regleta



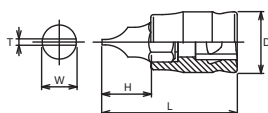
2000Z-28 • -50

PH Bit Sockets
Vasos con Punta PH

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

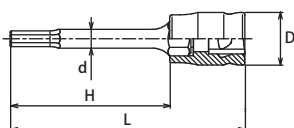
2000Z.50 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	11.2	4	34	50	11	10
2	11.2	5	34	50	13	10
3	11.2	-	34	50	16	10

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

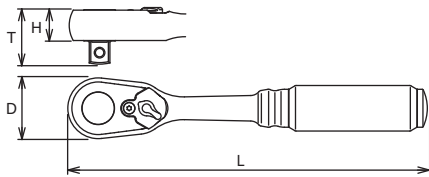
RS20XXZ/9	9 Pieces Set/Rail 200mm	(g)
2000Z.28	1, 2, 3	213
2005Z.25	5, 6	
2010MZ.25	3, 4, 5, 6	

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

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

RS2025Z/7-L28	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

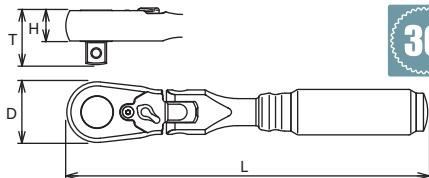


36

	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 → P308

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



36
Flexible Head

	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

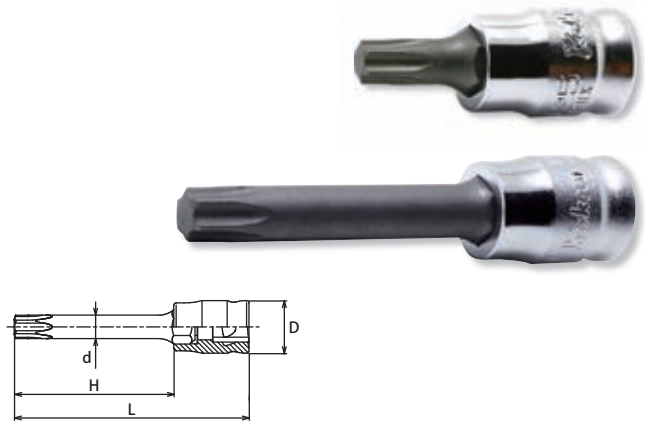
* Renewal Kits → 2725RK → P308

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

2025Z-28 · -50



TORX® Bit Sockets
Vasos con Punta TORX®



RS2025Z/7-L28 RS2025Z/7-L50



Socket Set on Rail
Juego de Vasos en Regleta



2725Z

2725Z-160 ⚠

Reversible Ratchet
Llave de Carraca Reversible

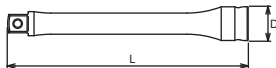


2726Z

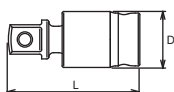
2726Z-160 ⚠

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

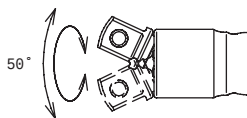
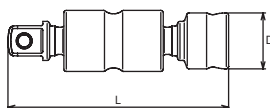


2760Z Extension Bars
Alargaderas

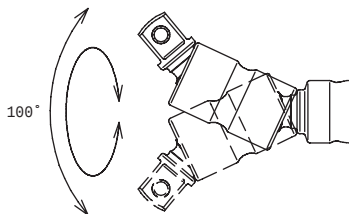
2760Z	D (mm)	L (mm)	(g)	(pcs.)
50	11.5	50	21	10
100	11.5	100	39	10
150	11.5	150	58	10

2771Z Universal Joint
Articulación Universal

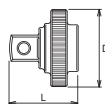
	D (mm)	L (mm)	(g)	(pcs.)
2771Z	11.7	29.9	15	10

**2772Z** Universal Joint
Articulación Universal

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

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

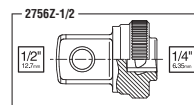
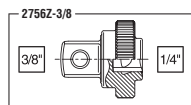
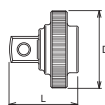
	D (mm)	L (mm)	(g)	(pcs.)
2756Z	20.3	18	15	10

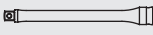
**2756Z-3/8**
2756Z-1/2 Quick Spinner, Adaptor

2756Z-3/8

2756Z-1/2

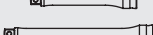
	D (mm)	L (mm)	(g)	(pcs.)
2756Z-3/8	20.3	21.5	24	10
2756Z-1/2	20.3	26	35	10



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

P2285Z Socket Set
Juego de Vasos



2286Z 17 Pieces Set/△△=780g	
BLACK METAL CASE:W240×H100×T32mm	
Sockets	Accessories
 2400MZ 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14	 2725Z  2756Z  2771Z  2760Z-50  2760Z-100  2760Z-150

2286Z Socket Set
Juego de Vasos



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

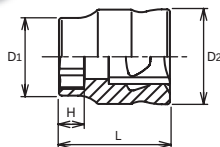
2285ZE Socket Set
Juego de Vasos



3400MZ

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®



3400MZ (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	8.5	17	3.5	19	16	10
6	9.1	17	3.5	19	17	10
7	10.3	17	3.5	19	17	10
8	11.5	17	4.5	20	17	10
10	14	17	4.5	20	18	10
11	15.3	17	5.5	21	18	10
12	16.5	17	5.5	21	19	10
13	17.8	17	8.5	21	19	10
14	19	17	8.5	21	20	10
15	20.2	18.2	8.5	21	24	10
16	21.3	19.3	8.5	21	28	10
17	22.5	20.5	8.5	21	32	10
18	23.6	21.6	9.5	22	38	10
19	24.8	22.8	9.5	22	41	10
21	27	25	10.5	23	51	10
22	28.3	26.3	10.5	23	58	10

3400MZ is designed 5-9mm shorter than standard 3400M.

Ideal for working in confined and tight areas.

RS3400MZ/8

Socket Set on Rail
Juego de Vasos en Regleta

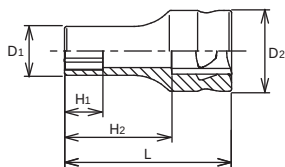
RS3400MZ/12



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

RS3400MZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		490

3300XZ

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

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

RS3300XZ/8

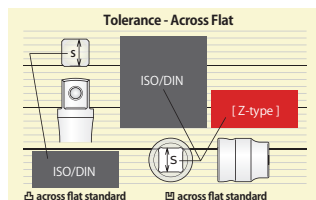
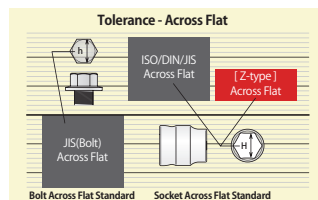
Socket Set on Rail
Juego de Vasos en Regleta

RS3300XZ/12

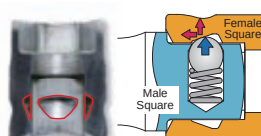


RS3300XZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		420

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



Manufacturing tolerance is precisely controlled to achieve a secure fitting.

BALL HOLDING
GROOVE

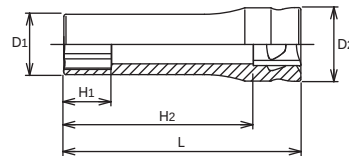
Original Ball Holding system is applied on Z-series. This mechanism gives secure connection between Socket and Handle.

3300MZ (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	10.3	17	8	41.5	55	29	10
8	11.5	17	9	41.5	55	34	10
10	14	17	11	41.5	55	43	10
11	15.3	17	12	41.5	55	45	10
12	16.5	17	13	41.5	55	49	10
13	17.8	17	14	41.5	55	52	10
14	19	17	16	41.5	55	55	10
15	20.2	18.2	16	40.5	55	65	10
16	21.3	19.3	17	40.5	55	74	10
17	22.5	20.5	18	40.5	55	83	10
18	23.6	21.6	19	39.5	55	90	10
19	24.8	22.8	20	39.5	55	95	10



3300MZ

6-point Deep Sockets
Vasos Hexagonales Largos



RS3300MZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		600

RS3300MZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		900

RS3300MZ/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3300MZ/12



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

RS3X00MZ/12

Socket Set on Rail
Juego de Vasos en Regleta



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

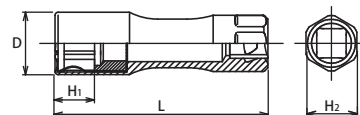
Slim & light weight body with smaller outside diameter for work in tight spaces.

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



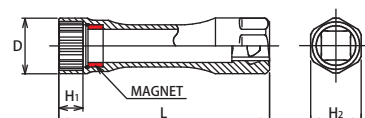
3300CZ

Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas



3305PZ

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



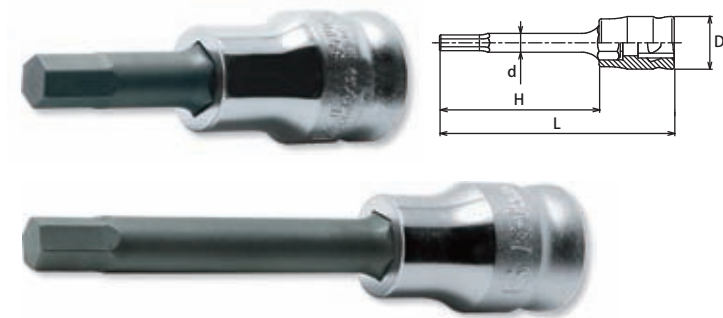
3305PZ	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
14	17.9	8	17	70	56	10
16	20	8	17	70	55	10

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



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

3010MZ-50 • -75

Inhex Bit Sockets
Vasos con Punta Hexagonal

3010MZ.50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	17	4	23.5	50	28	10
4	17	5	23.5	50	29	10
5	17	6	23.5	50	30	10
6	17	7	23.5	50	35	10
7	17	-	23.5	50	38	10
8	17	-	23.5	50	40	10
10	17	-	23.5	50	50	10
12	19	-	23.5	50	70	10

3010MZ.75 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	17	6	48.5	75	33	10
4	17	6	48.5	75	35	10
5	17	6	48.5	75	36	10
6	17	7	48.5	75	41	10
7	17	7.9	48.5	75	45	10
8	17	-	48.5	75	48	10
10	17	-	48.5	75	65	10
12	19	-	48.5	75	90	10

RS3010MZ/8-L50

Socket Set on Rail
Juego de Vasos en Regleta

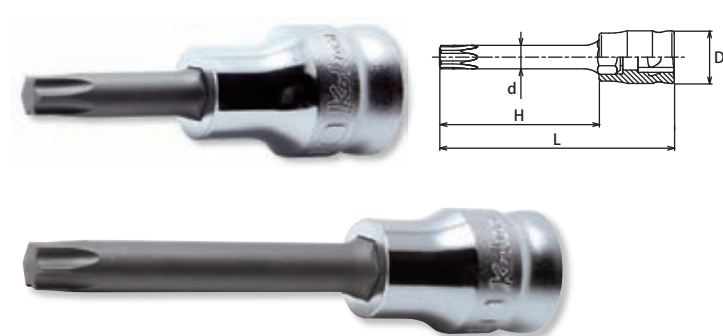
RS3010MZ/8-L75



RS3010MZ/8-L50	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		460

RS3010MZ/8-L75	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		530

3025Z-50 • -75

TORX® Bit Sockets
Vasos con Punta TORX®

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

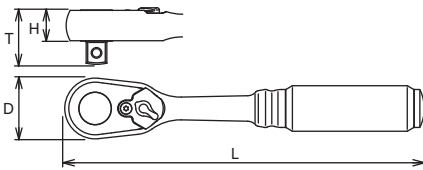
Socket Set on Rail
Juego de Vasos en Regleta

RS3025Z/8-L75



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

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

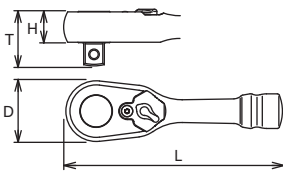


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	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z-3/8	20.5	20.5	9.5	114	83	1
2725Z-3/8 (L160)	20.5	20.5	9.5	160	120	1

* Renewal Kits → 2725RK-3/8 → P308

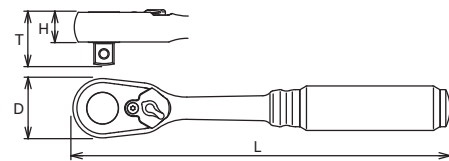
⚠ 2725Z-3/8 (L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



72

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

* Renewal Kits → 3725RK → P308

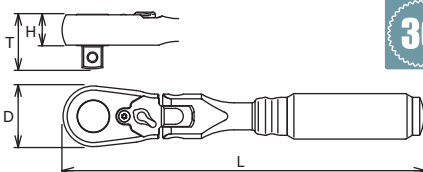


72

	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 → P308

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



36
Flexible Head

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-3/8	20.5	20.5	9.5	114	107	1
2726Z-3/8 (L160)	20.5	20.5	9.5	160	130	1

* Renewal Kits → 2725RK-3/8 → P308

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

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

2725Z-3/8 (L160) ⚠



3725ZS Reversible Ratchet Short Llave de Carraca Reversible Corta



3725Z Reversible Ratchet Llave de Carraca Reversible

3725Z-280 ⚠



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

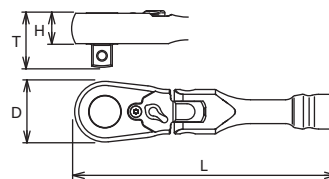
2726Z-3/8 (L160) ⚠



3726ZS

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

72



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

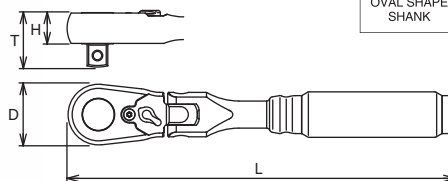
* Renewal Kits → 3725RK → P308

3726Z

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

3726Z-280 ⚠

72

OVAL SHAPE
SHANK

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

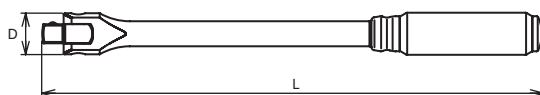
* Renewal Kits → 3725RK → P308

⚠ 3726Z-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

3768Z-250

Hinge Handle
Mango Articulado

3768Z-400 ⚠

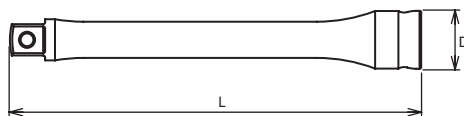
OVAL SHAPE
SHANKRENEWAL KIT FOR
HINGE HANDLE

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

* Renewal Kits → 3768ZRK → P309

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

3760Z

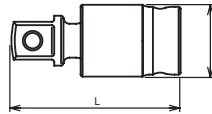
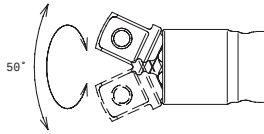
Extension Bars
Alargaderas

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

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

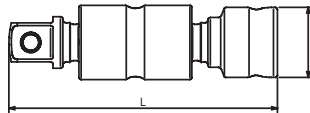
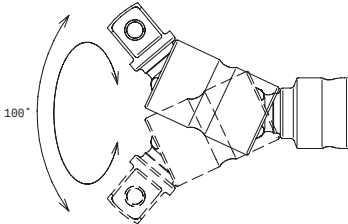


3771Z Universal Joint
Articulación Universal



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

3772Z Universal Double Joint
Articulación Universal

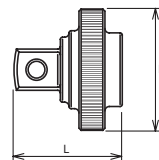


	D (mm)	L (mm)	(g)	(pcs.)
3756Z	28	25	40	10

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



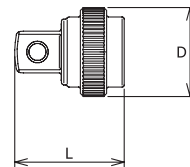
3756Z Quick Spinner
Disco de Giro Rápido



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

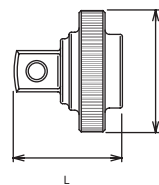
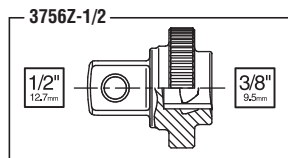
Ideal for working in combination with 2725Z-3/8 and 2726Z-3/8.

3756ZS Quick Spinner
Disco de Giro Rápido



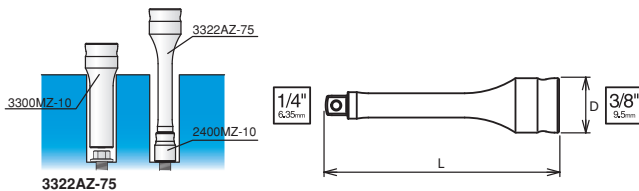
	D (mm)	L (mm)	(g)	(pcs.)
3756Z-1/2	28	29	52	10

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
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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 RSAL300 Rail Regleta



RSAL CLIP.P/5



3285Z 26 Pieces Set/⚖️=2,100g

PLASTIC TRAY:W390×T180×H25

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

3285ZA 15 Pieces Set/⚖️=750g

PLASTIC TRAY:W300×T90×H25

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

3286Z 21 Pieces Set/⚖️=2,600g

BLACK METAL CASE:W415×H120×T50mm

Sockets	Accessories
3400MZ 6-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	 3725Z  3756Z  3771Z  3768Z-250  3760Z-75  3760Z-125  3760Z-250

3285ZE 9 Pieces Set/⚖️=600g

Rail 200mm/PLASTIC BAG

Sockets	Accessories
3400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19	 3725Z  3756Z

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

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

RAIL

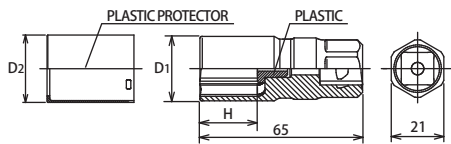
	RAIL (mm)	(g)	(pce.)
RSAL-200	200	110	1
RSAL-300	300	145	1
RSAL-400	400	210	1

CLIP

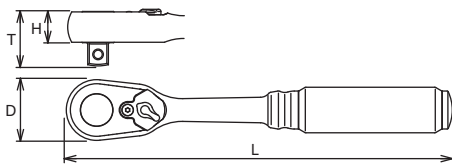
CLIP.P/5	(g)	(pce.)
1/4	10	5
3/8	13	5
1/2	20	5

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



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



36

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

* Renewal Kits → 4725RK → P308



RENEWAL KIT FOR
HINGE HANDLE



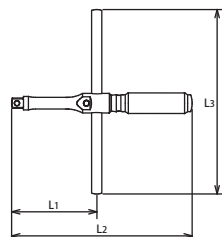
OVAL SHAPE
SHANK



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

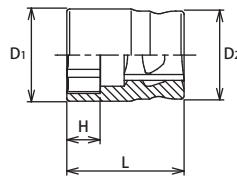
* Renewal Kits → 4768ZRK → P309

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



4400MZ

6-point Sockets
Vasos Hexagonales



RS4400MZ/10

Socket Set on Rail
Juego de Vasos en Regleta



4300PMZ-65

Wheel Nut Sockets
Vasos para Ruedas



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

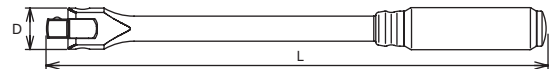
4725Z

Reversible Ratchet
Llave de Carraca Reversible



4768Z-430

Hinge Handle
Mango Articulado

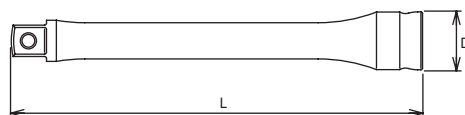


⚠ 4768Z-430 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

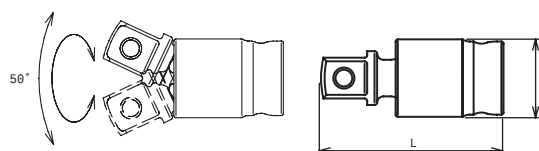
4711XZ

Spinning Cross Wrench

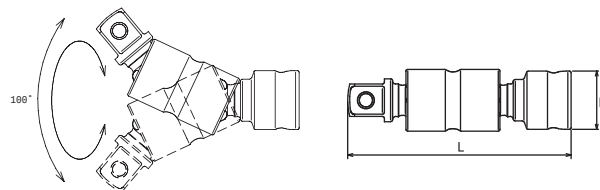


4760Z Extension Bars
Alargaderas

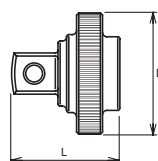
4760Z	D (mm)	L (mm)	(g)	(pcs.)
125	22.5	125	180	5
250	22.5	250	340	5

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.)
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/△=4,800g

METAL CASE:W445×T190×H50

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

4285ZE Socket Set
Juego de Vasos

4285ZE 11 Pieces Set/△=1,380g

Rail 300mm/PLASTIC BAG

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

Hand Sockets

1/4"

3/8"

1/2"

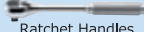
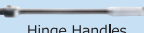
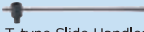
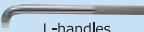
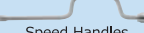
3/4"

1"



Hand Sockets

Hand Sockets		Square Drive																	
		1/4"(6.35mm)SQ.			3/8"(9.5mm)SQ.			1/2"(12.7mm)SQ.			3/4"(19mm)SQ.			1"(25.4mm)SQ.					
		No.		Page	No.		Page	No.		Page	No.		Page	No.		Page			
 Standard Sockets	 6-point	2400M	mm	40	3400M	mm	60	4400M	mm	96	6400M	mm	126	8400M	mm	134			
		2400A	inch	40	3400A	inch	60	4400A	inch	97	6400A	inch	126	8400A	inch	134			
		2400W	BA	41	3400W	BSW	61	4400W	BSW	97									
	 12-point	2405M	mm	40	3405M	mm	60	4405M	mm	96	6405M	mm	126	8405M	mm	134			
		2405A	inch	40	3405A	inch	60	4405A	inch	97	6405A	inch	126	8405A	inch	134			
		AS2405A	inch	40	3405W	BSW	61	4405W	BSW	97									
	 Surface	2410M	mm	41	3410M	mm	61	4410M	mm	98									
	 NUT GRIP®	2450MS	mm	42	3450M	mm	63	4450M	mm	99									
		3450MH	mm	63															
 Semi Deep Sockets	 6-point	2300X	mm	42	3300X	mm	64												
					3300XA	inch	64												
	 12-point				3305X	mm	64												
					3305XA	inch	64												
	 NUT GRIP®	2350X	mm	42	3350X	mm	64												
	 Deep Sockets	 6-point	2300M	mm	43	3300M	mm	65	4300M	mm	100	6300M	mm	127					
			2300A	inch	43	3300A	inch	65	4300A	inch	100	6300A	inch	127					
			2300W	BA	44	3300W	BSW	66											
		 12-point	2305M	mm	43	3305M	mm	65	4305M	mm	100	6305M	mm	127					
	2305A	inch	43	3305A	inch	65	4305A	inch	100	6305A	inch	127							
	AS2305A	inch	43	3305W	BSW	66													
 Surface	2310M	mm	44	3310M	mm	66	4310M	mm	101										
 NUT GRIP®	2350M	mm	44	3350M	mm	67													
 Extra Deep Sockets	 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									
	 TORX® (E) (NUT GRIP®)							4325(L140)-2B	TORX®	101									
 Extension Sockets	 12-point				3117M	mm	71	4117M	mm	102									
	 Universal Sockets	 6-point	2440M	mm	45	3440M	mm	69	4440M	mm	102								
			2440A	inch	45	3440A	inch	69	4440A	inch	102								
 12-point		2445M	mm	45	3445M	mm	69	4445M	mm	102									
		2445A	inch	45	3445A	inch	69	4445A	inch	102									
	AS2445A	inch	45	3445W	BSW	69													
 NUT GRIP®	2441M	mm	45	3441M	mm	70													
 Universal Deep Sockets	 6-point				3340M	mm	70												
	 Bit Sockets	 PH	2000	PH	46	3000	PH	71	4000	PH	103								
						3001	PH	79	4001	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	3010M	mm	72	4010M	mm	104	6012M	mm	127	8012M	mm	135			
		2010A	inch	47	3010A	inch	72	4010A	inch	104									
					3012M	mm	73	4012M	mm	108									
					3012A	inch	73	4012A	inch	109									
 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®	46															

Handles/Accessories		Square Drive									
		1/4"(6.35mm)SQ.		3/8"(9.5mm)SQ.		1/2"(12.7mm)SQ.		3/4"(19mm)SQ.		1"(25.4mm)SQ.	
		No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
 Ratchet Handles	Standard	2753 series 2752 series	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

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

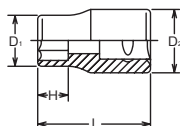
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2400M • 2400A

6-point Sockets
Vasos Hexagonales



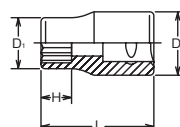
FLAT DRIVE®



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

2405M • 2405A

12-point Sockets
Vasos Bihexagonales



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

RS2400M/12

Socket Set on Rail
Juego de Vasos en Regleta

RS2405M/12

Socket Set on Rail
Juego de Vasos en Regleta



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

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

RS2400A/9

Socket Set on Rail
Juego de Vasos en Regleta

RS2405A/9

Socket Set on Rail
Juego de Vasos en Regleta

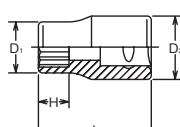


RS2400A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		162

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

AS2405A

12-point Sockets, AS954
Vasos Bihexagonales



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

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

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

RSAS2405A/10

Socket Set on Rail
Juego de Vasos en Regleta



1/4" Hand Sockets

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

RS2410M/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		222

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

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

BA

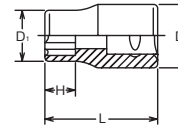


BA		8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
S	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

2415M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	10.3	11.2	5.4	22	10	10
6	11	11.7	5.4	22	13	10
7	12.5	11.7	6.1	22	13	10
8	14.3	12.9	6.8	22	17	10
10	17.4	16	8.2	22	27	10

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

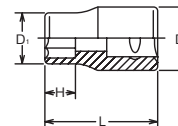
2410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



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



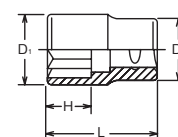
2400W-BA 6-point Sockets Vasos Hexagonales



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



2415M • 2415A Double Square Sockets Vasos Octagonales



Hand Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

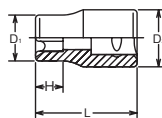
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2425 TORX® Sockets Vasos TORX®



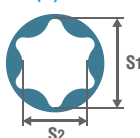
RS2425/6 Socket Set on Rail Juego de Vasos en Regleta



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

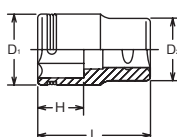
RS2425/6	6 Pieces Set/Rail 150mm	(g)
E4, E5, E6, E7, E8, E10		85

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-tuercas Nut Grip®



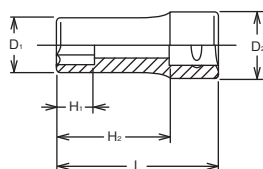
2450MS (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.3	11.2	4	18	8	10
8	12.3	11.2	5	18	9	10
10	14.3	12.9	6	19	13	10
12	17.4	16	7	20	22	10
13	18	16.4	8	20	22	10
14	19.9	18	8.5	22	31	10

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



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

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



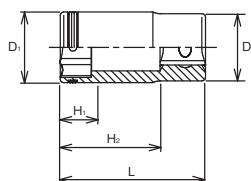
RS2300X/12 Socket Set on Rail Juego de Vasos en Regleta



2300X (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(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-tuercas Nut Grip®. Medianos



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



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



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

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)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		400

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

RS2300A/9	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

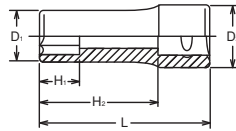
RS2305A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		296

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

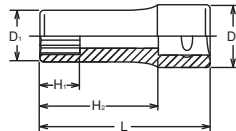
Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

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



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



RS2300M/12 Socket Set on Rail Juego de Vasos en Regleta

RS2305M/12

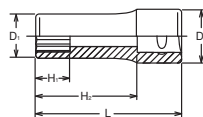


RS2300A/9 Socket Set on Rail Juego de Vasos en Regleta

RS2305A/9



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



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



Hand Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

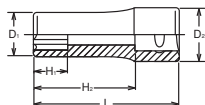
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



SURFACE DRIVE



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

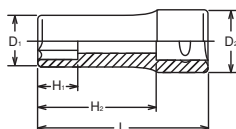


(g)

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

400

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



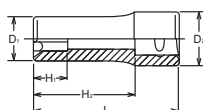
BA



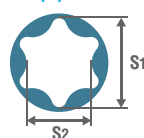
	BA	8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
S	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

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

2325 TORX® Deep Sockets Vasos TORX® Largos



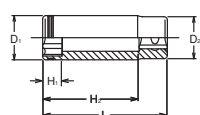
TORX®
(E)



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

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

2350M Nut Grip Deep Sockets Nut Grip® Vasos Sujeta-tuercas 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	39.5	50	30	10
10	14.3	12.9	6	39.5	50	35	10
12	16.8	16	7	39.5	50	55	10
14	20	18	8.5	39.5	50	70	10



NUT GRIP®

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



RS2350M/4 4 Pieces Set/Rail 150mm



(g)

8, 10, 12, 14

220

1/4" Hand Sockets

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

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

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

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

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

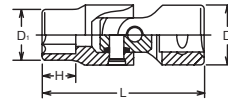
2440T (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 6	8	13	5.4	31.9	20	10
E 8	9.8	13	7	33.1	20	10
E10	11.7	13	8.2	33.6	21	10
E12	14.2	13	9.3	35.1	24	10

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

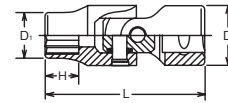


NUT GRIP®

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



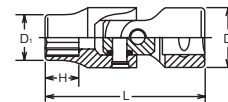
2445M • 2445A 12-point Universal Sockets Vastos Bihexagonales con Articulación Universal



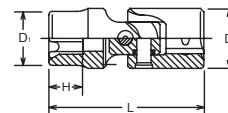
RS2445A/9 Socket Set on Rail Juego de Vastos en Regleta



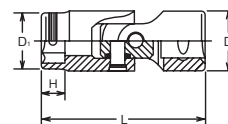
AS2445A 12-point Universal Sockets Vastos Bihex con Articulación Universal



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



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



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

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

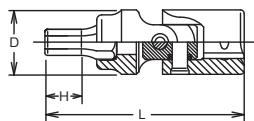
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2430M



Universal Inhex Sockets
Vasos Hexagonales con Articulación Universal

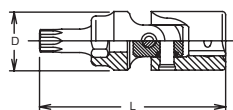


2430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	13	5.5	40	18	10
4	13	5.5	40	18	10
5	13	6.5	40	20	10
6	13	7.5	40	21	10

2430T



TORX® Universal Sockets
Vasos TORX® con Articulación Universal

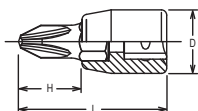


2430T (T)	D (mm)	L (mm)	(g)	(pcs.)
T 8	13	42	22	10
T 9	13	42	22	10
T10	13	42	22	10
T15	13	42	22	10
T20	13	42	22	10
T25	13	42	22	10
T27	13	42	22	10
T30	13	42	22	10

2000-28 (PH)



PH Bit Sockets
Vasos con Punta PH

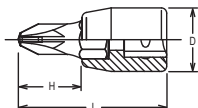


2000.28 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	11.9	12	28	10	10
2	11.9	12	28	11	10
3	11.9	12	28	12	10
4	13.1	11	28	14	10

2000-28 (PZ)



PZ Bit Sockets
Vasos con Punta PZ

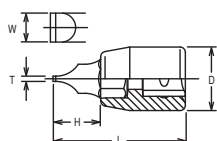


2000.28 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ1	11.9	12	28	10	10
PZ2	11.9	12	28	11	10
PZ3	11.9	12	28	12	10

2005-25



Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada



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

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

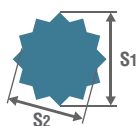
⚠ Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.



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

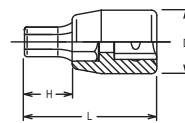
XZN



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

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

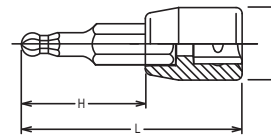
RS2010M/7-L25 RS2010A/8-L25

⬢ Socket Set on Rail
Juego de Vasos en Regleta



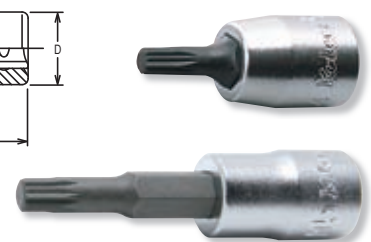
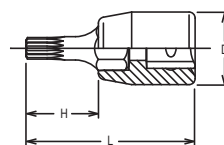
2011M-50

⬢ Ballpoint Inhex Bit Sockets
Vasos con Punta de Bola Inhex ⚠



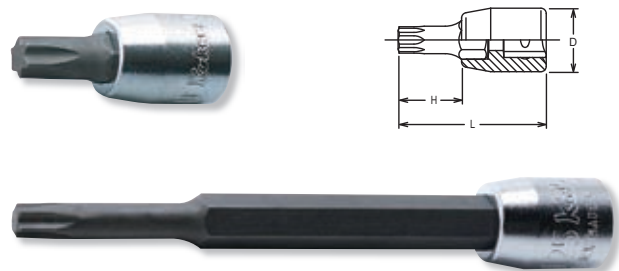
2020-28 · -50

⬢ XZN Bit Sockets
Vasos con Punta XZN



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

2025-28 • -80 (T) TORX® Bit Sockets
Vasos con Punta TORX®



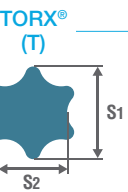
2025.28 (T)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
T 8	11.9	12	28	10	10
T 9	11.9	12	28	10	10
T10	11.9	12	28	10	10
T15	11.9	12	28	10	10
T20	11.9	12	28	11	10
T25	11.9	12	28	11	10
T27	11.9	12	28	12	10
T30	11.9	12	28	12	10
T40	11.9	12	28	13	10

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

RS2025/7-L28 Socket Set on Rail
Juego de Vasos en Regleta



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



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

2025-28 (TH) Tamper-Resistant TORX® Bit Sockets
Vasos con Punta TORX® Indeformable



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

RS2025/7-HOLE Socket Set on Rail
Juego de Vasos en Regleta



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

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



1/4" Hand Sockets

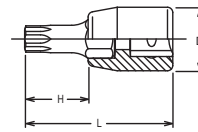
2025.28 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8IP	11.9	12	28	10	10
9IP	11.9	12	28	10	10
10IP	11.9	12	28	10	10
15IP	11.9	12	28	10	10
20IP	11.9	12	28	11	10
25IP	11.9	12	28	11	10
27IP	11.9	12	28	12	10
30IP	11.9	12	28	12	10
40IP	11.9	12	28	13	10

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

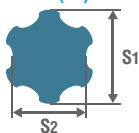
RS2025/7-IP



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
S1 (ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S2 (ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

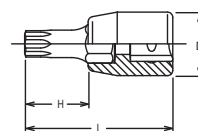
2025.28 (IPR)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8IPR	11.9	12	28	10	10
9IPR	11.9	12	28	10	10
10IPR	11.9	12	28	10	10
15IPR	11.9	12	28	10	10
20IPR	11.9	12	28	11	10
25IPR	11.9	12	28	11	10
27IPR	11.9	12	28	12	10
30IPR	11.9	12	28	12	10
40IPR	13.1	12	28	13	10

2025-28 (IPR)



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

TORXplus®



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

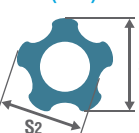
RS2025/7-IPR



Socket Set on Rail
Juego de Vasos en Regleta



TORXPLUS® (IPR)



IPR	8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S1 (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
S2 (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

Hand Sockets **1/4"**

Z-SERIES

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DESTORNILLADORES

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SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

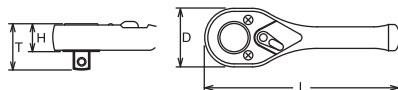
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2753PS

Reversible Ratchet Short
Llave de Carraca Reversible Corta



RATCHET
HANDLE



* Renewal Kits → 2753RK → P306

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

2753N

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2753RK → P306

2753P

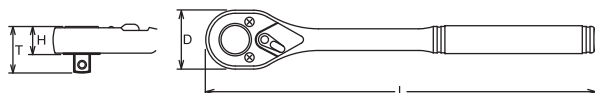
Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2753RK → P306

2753J

Reversible Ratchet
Llave de Carraca Reversible

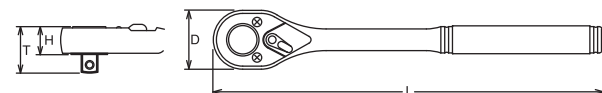


* Renewal Kits → 2753RK → P306

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

2753P-160

Reversible Ratchet Long
Llave de Carraca Reversible Larga ⚠



* Renewal Kits → 2753RK → P306

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

⚠ 2753P-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

1/4" Hand Sockets



* Renewal Kits → 2753BRK → P306



* Renewal Kits → 2753BRK → P306



* Renewal Kits → 2753BRK → P306

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

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



* Renewal Kits → 2752RK → P306

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



* Renewal Kits → 2753RK → P306



* Renewal Kits → 2753RK → P306

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

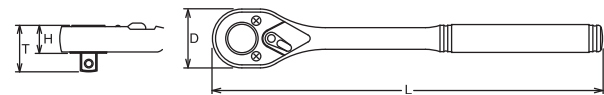
2753NB Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida ⚠



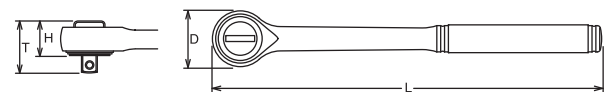
2753PB Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida ⚠



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



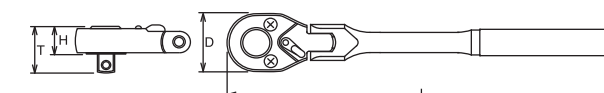
2752N Reversible Ratchet
Llave de Carraca Reversible



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



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



Hand Sockets 1/4"

Z-SERIES

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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 → P306

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

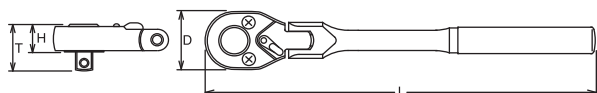


* Renewal Kits → 2753RK → P306

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

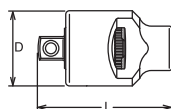


* Renewal Kits → 2753RK → P306



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

2755 Ratchet Adaptor Adaptador de carraca

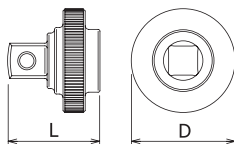


44

* Renewal Kits → 2755RK → P307

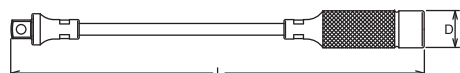
	D (mm)	L (mm)	(g)	(pcs.)
2755	26	40	80	10

2756 Quick Spinner Disco de giro Rápido



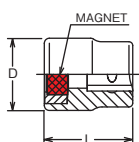
	D (mm)	L (mm)	(g)	(pcs.)
2756	22	20	19	10

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.)
2120	14.3	17.5	21	10

1/4" Hand Sockets

Z-SERIES
HAND
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DESTORNILLADORES
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DE IMPACTO
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INDUSTRIAL
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PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REUESTO

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

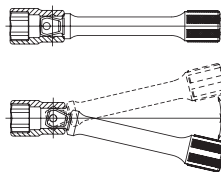
PK2760/6	6 Pieces Set/△=430g
PLASTIC TRAY	Extension Bars
2760 Extension Bars	28, 50, 100, 150, 200, 250



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

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

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



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

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

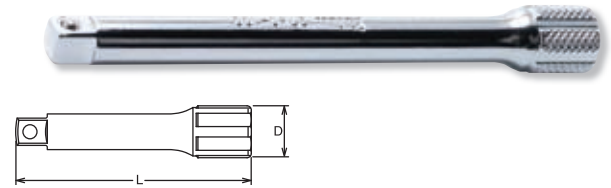
* Renewal Kits → 2768RK → P309

* Renewal Kits → 2768RK → P309

* Renewal Kits → 2768RK → P309

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

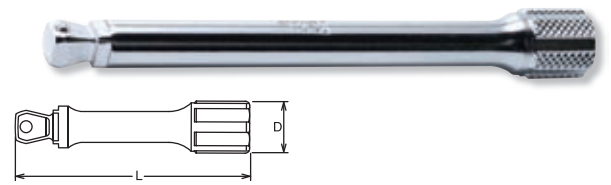
2760 Extension Bars Alargaderas



PK2760/6 Set Juego



2763 Wobble-Fix Extension Bars Alargaderas Articulas-Fijas



PK2763/6 Set Juego



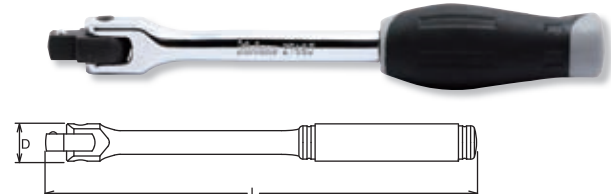
2768N Hinge Handle Mango Articulado



2768P Hinge Handle Mango Articulado



2768J Hinge Handle Mango Articulado



Hand Sockets 1/4"

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SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

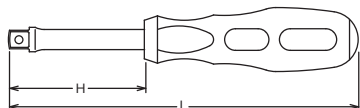
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2769N-150 • -220

Spin Type Handle
Mango Tipo Destornillador



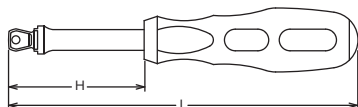
2769N	H (mm)	L (mm)	(g)	(pcs.)
150	50	150	73	2
220	120	220	100	2



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

2769NWF-150 • -220

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

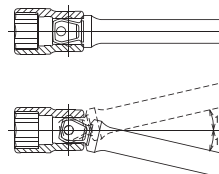


WOBBLE-FIX
EXTENSION BAR

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

Wobble-Fix Extension Bar

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

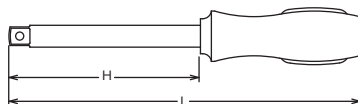


Alargadera Articulada-Fija

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

2769F

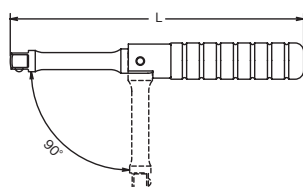
Spin Type Handle
Mango Tipo Destornillador



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

2769H

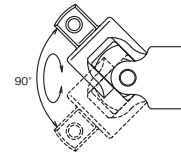
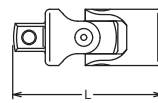
Folding Socket Driver
Llave de Vaso Plegable



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

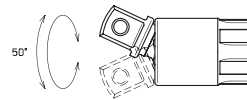
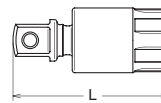
	L (mm)	(g)	(pcs.)
2770	33	20	10

2770 Universal Joint
Articulación Universal



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

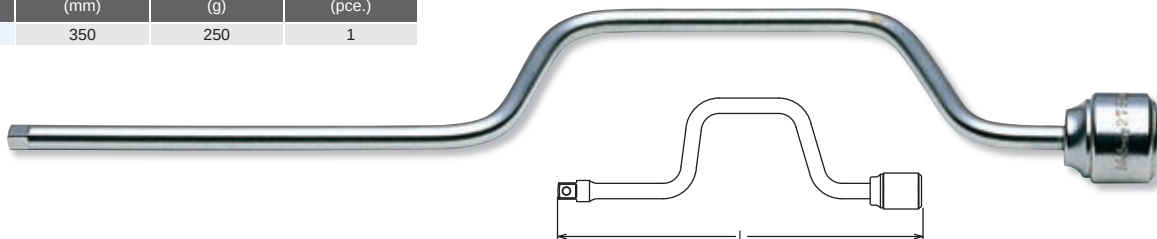
2771 Universal Joint
Articulación Universal



UNIVERSAL JOINT

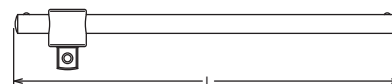
	L (mm)	(g)	(pce.)
2780	350	250	1

2780 Speed Handle
Manivela Rápida



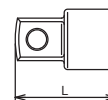
	L (mm)	(g)	(pcs.)
2785	115	36	10

2785 T-Handle
Mango Corredizo



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

2233A Adaptor
Adaptador



Hand Sockets 1/4"

Z-SERIES

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INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

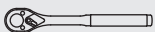
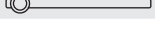
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2201AM Socket Set Juego de Vasos



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

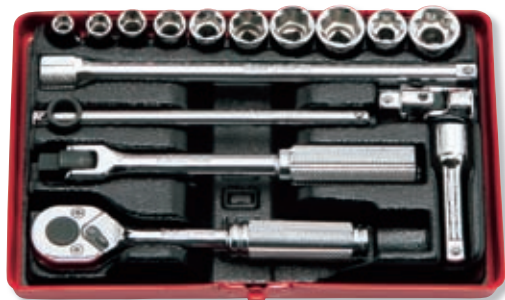
2203M • 2203A Socket Set Juego de Vasos

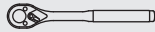
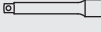
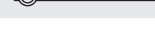


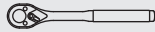
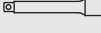
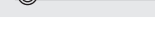
2203M 12 Pieces Set/△=550g	
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13	 2769H

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

2250M • 2250A Socket Set Juego de Vasos

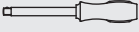


2250M 16 Pieces Set/△=700g	
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
2400M 6-pt. Sockets 5, 6, 7, 8, 9, 10, 11, 12	 2753N
2415M Double Square Sockets 8, 10	 2760-50
	 2760-150
	 2768N
	 2770
	 2785

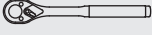
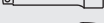
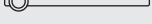
2250A 16 Pieces Set/△=700g	
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
2400A 6-pt. Sockets 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16	 2753N
2415A Double Square Sockets 1/4, 5/16, 3/8	 2760-50
	 2760-150
	 2768N
	 2770
	 2785

2254M Bit Set Juego de Puntas



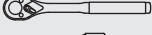
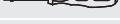
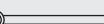
2254M 12 Pieces Set/△=450g	
METAL CASE:W160×H100×T28mm	
Bits	Accessories
 101P PH Bits 1, 2, 3	 102NA-1/4×5/16
 101S Slotted Bits 1×7, 1.2×7	 2769F
 101H Hex Bits 3, 4, 5	 101A
	 2137

1/4" Hand Sockets

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

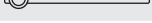
2257M Socket Set
Juego de Vasos



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

2260M Socket Set
Juego de Vasos



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

2261M Socket Set
Juego de Vasos



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

2262M Socket Set
Juego de Vasos



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

2274M • 2274A Socket Set
Juego de Vasos



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

Hand Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

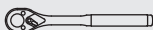
2275 Sockets Set Juego de Vasos



2275

19 Pieces Set/⚖️=880g

METAL CASE:W192×H122×T30mm

Sockets	Accessories
 2400M 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13	 2753N
 2000.28 Bit Sockets 1, 2, 3	 2763-50
 2005.25 Bit Sockets 6, 8	 2769N-150
 2010M.25 Bit Sockets 3, 4, 5, 6	

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



2276

19 Pieces Set/⚖️=640g

METAL CASE:W192×H122×T30mm

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

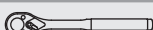
2277 Sockets Set Juego de Vasos



2277

21 Pieces Set/⚖️=1,240g

METAL CASE:W310×H90×T48mm

Sockets	Accessories
 2400M 6-pt. Sockets 5.5, 6, 7, 8, 9, 10, 11, 12, 13	 2753N
 2300M 6-pt. Deep Sockets 5.5, 6, 7, 8, 9, 10, 11, 12, 13	 2763-75
	 2769N-150

2277A-12P Sockets Set Juego de Vasos



2277A-12P

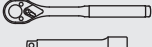
21 Pieces Set/⚖️=1,240g

METAL CASE:W310×H90×T48mm

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

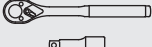
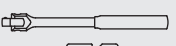
1/4" Hand Sockets

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

P2201AM 25 Pieces Set/△=800g	
PLASTIC CASE:W245×H120×T45mm	
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	

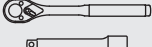
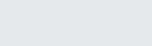
P2201AM Sockets Set
Juego de Vasos



P2251M 18 Pieces Set/△=770g	
PLASTIC CASE:W245×H120×T45mm	
Sockets	Accessories
 2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	 2753N  2760-50  2760-150  2768N  2770  2785

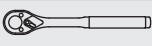
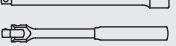
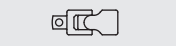
P2251M Sockets Set
Juego de Vasos



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

P2258M Sockets Set
Juego de Vasos



P2281A-12P 18 Pieces Set/△=770g	
PLASTIC CASE:W245×H120×T45mm	
Sockets	Accessories
 2405A 12-pt. Sockets 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16	 2753N  2760-50  2760-150  2768N  2770  2785

P2281A-12P Sockets Set
Juego de Vasos



ABS Case - PE foam insert
Caja ABS - espuma polietileno

Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

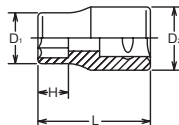
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3400M • 3400A

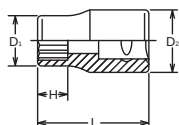
6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

3405M • 3405A

12-point Sockets
Vasos Bihexagonales



FLAT DRIVE®

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

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

RS3400M/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3405M/8

Socket Set on Rail
Juego de Vasos en Regleta



RS3400M/12

Socket Set on Rail
Juego de Vasos en Regleta

RS3405M/12

Socket Set on Rail
Juego de Vasos en Regleta



RS3400A/9

Socket Set on Rail
Juego de Vasos en Regleta

RS3405A/9

Socket Set on Rail
Juego de Vasos en Regleta



3400M 3405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	8.3	17.3	5	26	20	10
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10
25	33.3	29.5	16.5	34	115	5
26	34.5	30.5	17	35	129	5

3400A 3405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	8.3	17.3	5	26	20	10
1/4	10.3	17.3	6	26	20	10
9/32	10.8	17.3	6.5	26	20	10
5/16	12	17.3	7	26	22	10
11/32	13.3	17.3	7.5	26	23	10
3/8	13.9	17.3	8	26	23	10
13/32	13.3	17.3	7.5	26	23	10
7/16	15.8	17.3	8.5	26	25	10
1/2	18	17	9.5	26	24	10
9/16	19.5	18.5	11	27	31	10
19/32	20.8	19.5	11.5	28	39	10
5/8	22	20	12	28	42	10
11/16	24.5	22.5	13	30	51	10
3/4	25.8	23.5	13.5	30	63	10
25/32	27	24.5	14	31	75	10
13/16	28	26	14.5	32	77	10
7/8	29.5	26.5	15	32	82	10
15/16	32	28.5	16	34	102	10
1	34.5	30.5	17	35	132	5

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

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

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

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

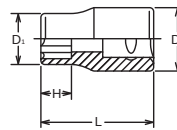
RS3400A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		333

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

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



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

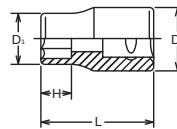
RS3410M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		468

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

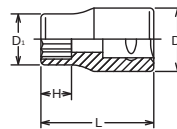


3400W 3405W (W)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	13.3	17.3	7.5	26	22	10
3/16	15.8	17.3	8.5	26	25	10
1/4	18	17	9.5	26	24	10
5/16	20.8	19.5	11.5	28	39	10
3/8	24.5	22.5	13	30	51	10
7/16	28	26	14.5	32	81	10
1/2	30.8	27.5	15.5	33	103	10
9/16	34.5	30.5	17	35	128	5

3400W 6-point Whitworth Sockets Vasos Hexagonales Whitworth



3405W 12-point Whitworth Sockets Vasos Bihexagonales Whitworth



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

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

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

RS3405W/7



BS W



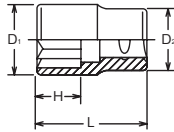
BS · W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
S	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

Hand Sockets 3/8"

3415M • 3415A



Double Square Sockets
Vasos Octagonales



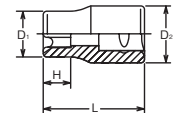
3415M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	10.8	17.4	5.5	26	21	10
6	12	17.3	6	26	26	10
7	13.3	17.4	6.5	26	26	10
8	14.5	17.3	7	26	26	10
10	16.8	17.3	8	26	27	10
12	20.8	19.5	9	27	43	10
13	21.9	20	9.5	27	46	10

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

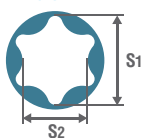


Socket Set on Rail
Juego de Vasos en Regleta



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

TORX® (E)

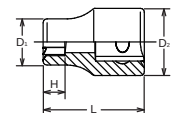


	E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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

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

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

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

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

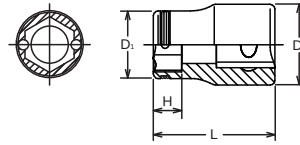
3425 (2B)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10	12	17.3	8.2	26	23	10
E12	14.5	17.3	9.3	26	25	10
E14	15.8	17.3	10.6	26	26	10
E16	18.1	17	11.8	26	27	10
E18	19.5	18.5	12	32	41	10
E20	21.9	20	14.4	32	52	10

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



3450M

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



NUT GRIP®

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

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

RS3450M/8

Socket Set on Rail
Juego de Vasos en Regleta



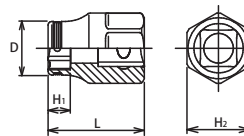
RS3450M/10

Socket Set on Rail
Juego de Vasos en Regleta



3450MH

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



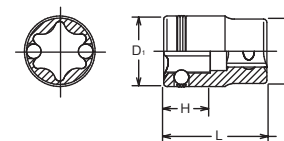
RS3450MH/6

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

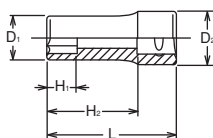


3300X • 3300XA

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



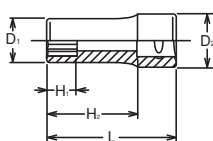
FLAT DRIVE®



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

3305X • 3305XA

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



3305XA 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

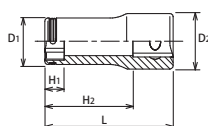


RS3300XA/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		460

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-tuercas 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

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

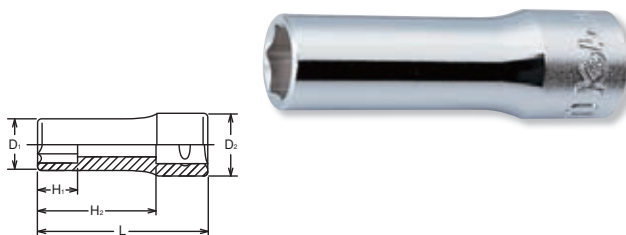
RS3305M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		878

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

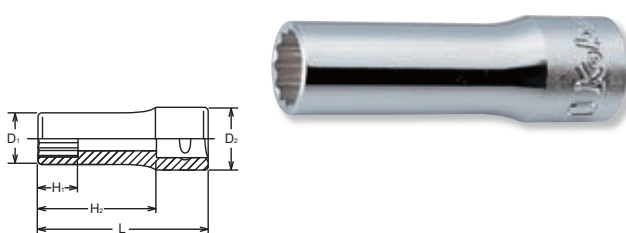
3300M • 3300A

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

Socket Set on Rail
Juego de Vasos en Regleta



RS3300M/12

Socket Set on Rail
Juego de Vasos en Regleta

RS3305M/12

Socket Set on Rail
Juego de Vasos en Regleta



RS3300A/9

Socket Set on Rail
Juego de Vasos en Regleta

RS3305A/9

Socket Set on Rail
Juego de Vasos en Regleta

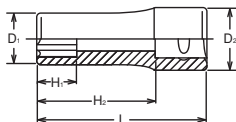


Hand Sockets 3/8"

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



SURFACE DRIVE



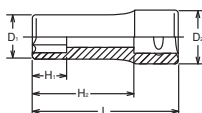
3310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
6	9.9	17.3	7	41.5	55	37	10
7	10.6	17.3	8	41.5	55	37	10
8	12	17.3	9	41.5	55	40	10
9	13	17.3	10	41.5	55	42	10
10	14.5	17.3	11	41.5	55	46	10
11	16	17.2	12	41.5	55	51	10
12	16.8	17.2	13	41.5	55	52	10
13	18	17	14	41.5	55	53	10
14	20	18	16	41.5	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



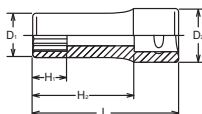
RS3310M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		881

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



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



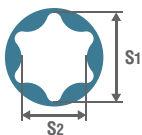
BS · W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

3/8" Hand Sockets

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

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

TORX®
(E)



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

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

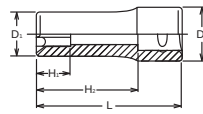


RS3350M/5	5 Pieces set/Rail 150mm	(g)
8, 10, 12, 13, 14		322

3300FN (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

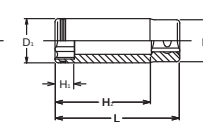
3325 TORX® Deep Sockets Vasos TORX® Largos



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



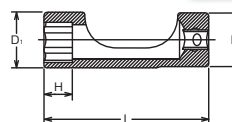
3350M Nut Grip Deep Sockets Nut Grip® Vasos Sujeta-tuercas Largos Nut Grip®



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"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

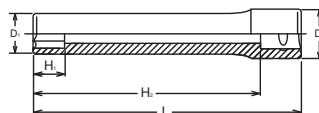
PROTECTOR
PROTECTORES

AUTOMOTIVE

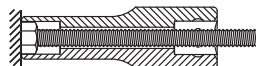
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

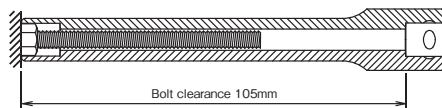
3300M (L120) 6-point Extra Deep Sockets Vasos Hexagonales Extra-Largos



3300M-Size DEEP SOCKET



3300M-Size (L120) EXTRA DEEP SOCKET



3305M (L120) 12-point Extra Deep Sockets Vasos Bihexagonales Extra-Largos



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

3300M/4-L120 Socket Set Juego de Vasos

3305M/4-L120



3300M/4-L120 4 Pieces Set/△=477g

PLASTIC BAG

Sockets

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

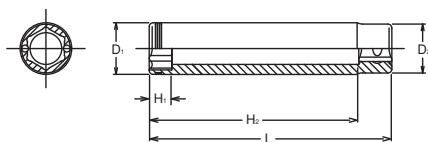
3305M/4-L120 4 Pieces Set/△=477g

PLASTIC BAG

Sockets

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

3350M (L120) 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)	(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/△=230g

PLASTIC BAG

Sockets

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

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

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

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

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

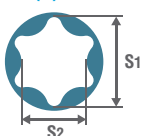
3445W (W)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	13.3	19	7.8	47.5	50	10
3/16	15.8	19	9.7	49.5	66	10
1/4	18.3	19	11.3	51	68	10
5/16	20.8	19	12.8	53.5	70	10
3/8	24.5	19	13.8	54.5	80	10
7/16	28.3	19	16.8	57.5	96	10
1/2	30.8	19	17.8	58.5	105	10

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

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

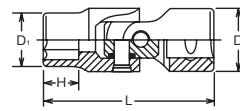
RS3440T/8	8 Pieces Set/Rail 200mm	(g)
E6, E8, E10, E12, E14, E16, E18, E20		594

**TORX®
(E)**

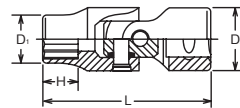


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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



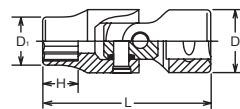
3445M • 3445A 12-point Universal Sockets Vasos Bihexagonales con Articulación Universal



RS3440M/8 RS3440A /8 Socket Set on Rail Juego de Vasos en Regleta



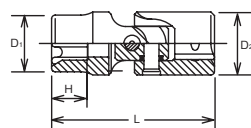
3445W 12-point Whitworth Universal Socket Vasos Whitworth Bihex con Articulación Universal



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
JUEGO DE VASOS EN REGLA

INDUSTRIAL
INDUSTRIALES

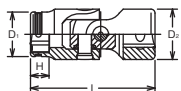
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



3441M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	19	5	46	57	10
10	14.5	19	6	46	58	10
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

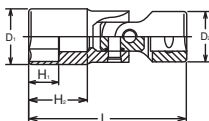


RS3441M/5 Socket Set on Rail Juego de Vasos en Regleta



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

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



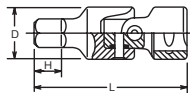
3340M.75 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	19	9	39	75	82	10
10	14.5	19	11	39	75	87	10
11	15.8	19	12	39	75	87	10
12	17	19	13	39	75	92	10
13	18.3	19	14	36	75	93	10
14	19.5	19	15	35	75	103	10
15	20.8	19	16	35	75	104	10
16	22	19	17	34	75	110	10
17	23.3	19	18	34	75	115	10
18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

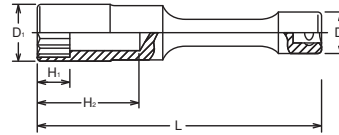
RS3430M/6 Socket Set on Rail Juego de Vasos en Regleta



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

3117M-125 • -250

Extension Deep Sockets
Vasos con Alargadera



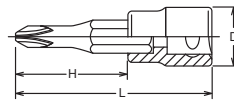
3117M.125 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	14.5	18	10	44	125	121	1
11	16	18	11	44	125	133	1
12	17	18	12	44	125	133	1
13	18	18	13	44	125	134	1
14	19.5	18	14	44	125	145	1
17	23.5	18	17	44	125	178	1
19	25	18	19	44	125	187	1
21	27	18	21	44	125	195	1
22	29	18	22	44	125	214	1

3117M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
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)	(pcs.)
1	18	33.5	60	49	10
2	18	33.5	60	49	10
3	18	33.5	60	49	10
4	18	33.5	60	50	10

3000-60 (PH)

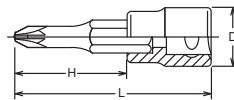
PH Bit Sockets
Vasos con Punta PH



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

3000-50 (PZ)

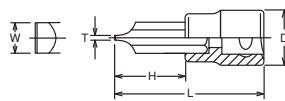
PZ Bit Sockets
Vasos con Punta PZ



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

3005-60

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada

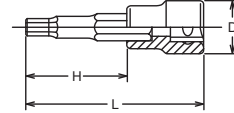


	PH	PZ	Slotted	HEX	HEX (ball point)	Triple Square (XZN)	TORX® (T)	TORX® (TH)	TORXPLUS® (IP)	TORXPLUS® (IPR)	Ribe-CV
1/4"	No.2000 series	No.2000(PZ) series	No.2005 series	No.2010M/A series	No.2011M series	No.2020 series	No.2025 series	No.2025(TH) series	No.2025(IP) series	No.2025(IPR) series	—
3/8"	No.3000 No.3001 series	No.3000(PZ) series	No.3005 No.3006 series	No.3010M/A No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(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 3010A-50

Inhex Bit Sockets
Vasos con Punta Hexagonal



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

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

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

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

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

RS3010M/8-L38



Socket Set on Rail
Juego de Vasos en Regleta

RS3010M/8-L62



RS3010M/8-L100



RS3010A/8-L50



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

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

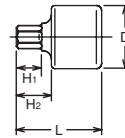
3012M.75 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3	18	10	57	75	41	10
4	18	15.5	57	75	43	10
5	18	15.5	57	75	48	10
6	18	15.5	57	75	53	10
7	18	15.5	57	75	58	10
8	18.5	15.5	57	75	72	10
9	18.5	15.5	57	75	92	10
10	20	15.5	57	75	114	10
11	20	15.5	57	75	120	10
12	20	15.5	57	75	127	10
13	20	15.5	57	75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

Hex Sockets
Vasos con Punta de Hexagonal

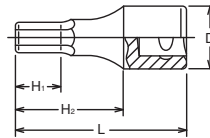


3012M-52 · -62 · -75

Hex Sockets
Vasos con Punta de Hexagonal ⚠

3012A-52 · -62 · -75

Hex Sockets



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

Socket Set on Rail
Juego de Vasos en Regleta

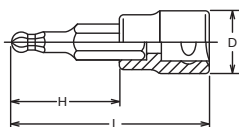
RS3012A/8-L52

Socket Set on Rail
Juego de Vasos en Regleta



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

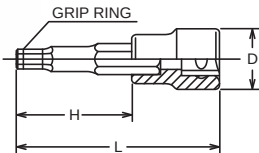
3011M.120 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	93.5	120	77	10
4	18	93.5	120	78	10
5	18	93.5	120	80	10
6	18	93.5	120	81	10
7	18	93.5	120	83	10
8	18	93.5	120	84	10

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



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

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

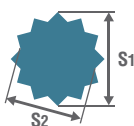
3020.100 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	7.8	73.5	100	57	10
M 5	18	7.8	73.5	100	59	10
M 6	18	7.8	73.5	100	61	10
M 8	18	7.8	73.5	100	62	10
M10	20	11.9	73.5	100	99	10
M12	20	11.9	73.5	100	103	10
M14	22	13.9	73.5	100	145	5

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

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

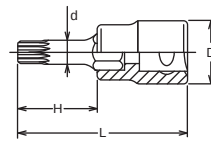
RS3020/7-L50	7 Pieces Set/Rail 200mm	(g)
M4, M5, M6, M8, M10, M12, M14		400

XZN



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

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



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



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

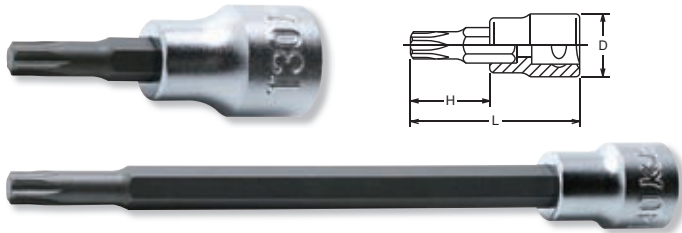


Hand Sockets 3/8"

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

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



Socket Set on Rail
Juego de Vasos en Regleta

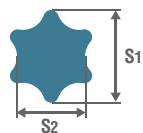
RS3025/8-L50



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

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

TORX®
(T)



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

3025-50-T35



Bit Socket
Vasos con Punta



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

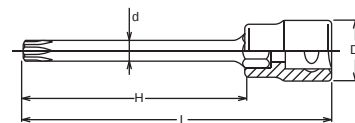
3025-100R (T)



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



3025.100R (T)	D (mm)	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



Socket Set on Rail
Juego de Vasos en Regleta



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

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

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

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

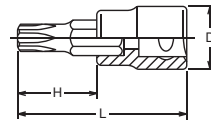
3247	4 Pieces Set/385g
PLASTIC BAG	
Sockets	
3025.160 Tamper-Resistant TORX® Bit Sockets T27H, T30H, T40H, T50H	

3025.100R (TH)	D (mm)	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® Indeformable



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

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

RS3025/9-HOLE



Socket Set on Rail
Juego de Vasos en Regleta



3247



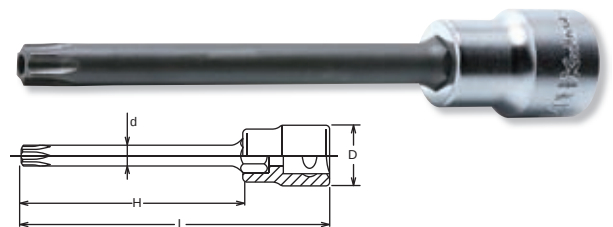
Bit Socket Set
Juego de Vasos con Punta



3025-100R (TH)



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



RS3025/8-L100RH



Socket Set on Rail
Juego de Vasos en Regleta



Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

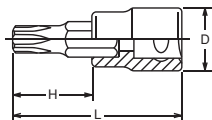
RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

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

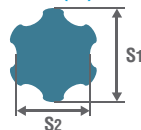


Socket Set on Rail
Juego de Vasos en Regleta



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 (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



20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP

370

RSX025/11-IP

11 Pieces Set/Rail 200mm



2025.28(IP)
3025.50(IP)
4025.60(IP)

10IP, 15IP, 20IP, 25IP, 27IP
30IP, 40IP, 45IP, 50IP
55IP, 60IP

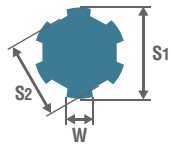
480

$$\boxed{1/4"} + \boxed{3/8"} + \boxed{1/2"} = \boxed{1"} + \boxed{1/4"} + \boxed{1/8"} + \boxed{1/16"} + \boxed{1/32"} + \boxed{1/64"} + \boxed{1/128"} + \boxed{1/256"} + \boxed{1/512"} + \boxed{1/1024"} + \boxed{1/2048"} + \boxed{1/4096"} + \boxed{1/8192"} + \boxed{1/16384"} + \boxed{1/32768"} + \boxed{1/65536"} + \boxed{1/131072"} + \boxed{1/262144"} + \boxed{1/524288"} + \boxed{1/1048576"} + \boxed{1/2097152"} + \boxed{1/4194304"} + \boxed{1/8388608"} + \boxed{1/16777216"} + \boxed{1/33554432"} + \boxed{1/67108864"} + \boxed{1/134217728"} + \boxed{1/268435456"} + \boxed{1/536870912"} + \boxed{1/1073741824"} + \boxed{1/2147483648"} + \boxed{1/4294967296"} + \boxed{1/8589934592"} + \boxed{1/17179869184"} + \boxed{1/34359738368"} + \boxed{1/68719476736"} + \boxed{1/137438953472"} + \boxed{1/274877906944"} + \boxed{1/549755813888"} + \boxed{1/1099511627776"} + \boxed{1/2199023255552"} + \boxed{1/4398046511104"} + \boxed{1/8796093022208"} + \boxed{1/17592186044416"} + 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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

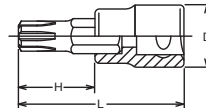
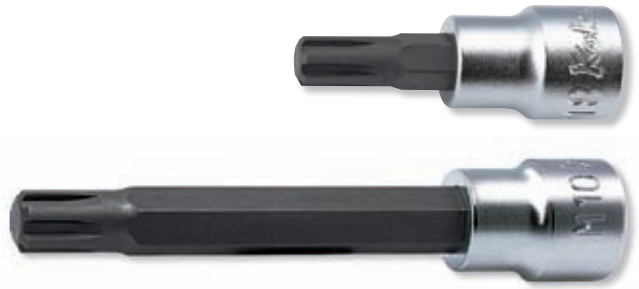
3001 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2	18	42	60	38	10
3	18	42	60	38	10
4	18	42	60	38	10

3006	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0× 5.5	18	42	60	35	10
8	1.2× 8	18	42	60	42	10
10	1.6×10	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



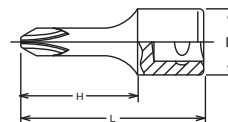
RS3027/5-L50

Socket Set on Rail
Juego de Vasos en Regleta



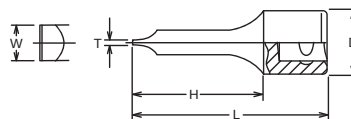
3001

PH Bit Sockets
Vasos con Punta PH ⚠



3006

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada ⚠



Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

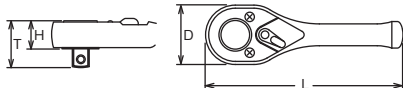
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2749PS-3/8

Reversible Ratchet Short
Llave de Carraca Reversible Corta



* Renewal Kits → 2749RK-3/8 → P306

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

2749N-3/8

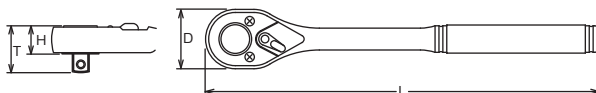
Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2749RK-3/8 → P306

2749P-3/8

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 2749RK-3/8 → P306

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

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

3749S

Reversible Ratchet Short
Llave de Carraca Reversible Corta



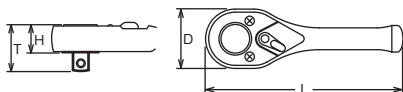
* Renewal Kits → 3749RK → P306

3749SB

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



* Renewal Kits → 3749BRK → P306



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

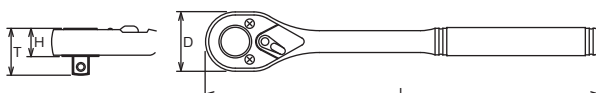
⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

3749N

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → 3749RK → P306



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

[L/R Marking]



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

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



* Renewal Kits → 3752RK → P307

3752N Reversible Ratchet Llave de Carraca Reversible

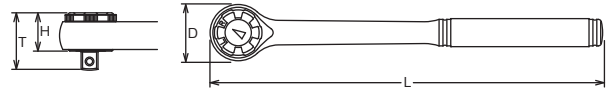


* Renewal Kits → 3752RK → P307

3752J Reversible Ratchet Llave de Carraca Reversible



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



* Renewal Kits → 3752RK → P307

3776N Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria



* Renewal Kits → 3752RK → P307

3776P Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria

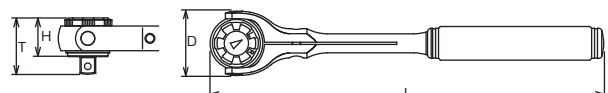


* Renewal Kits → 3752RK → P307

3776J Swivel Head Ratchet Llave de Carraca de Cabeza Giratoria



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



Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

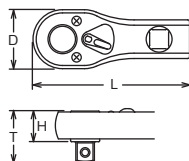
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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



* Renewal Kits → 3753RK → P306

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



3753N Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 3753RK → P306

3753P Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 3753RK → P306

3753J Reversible Ratchet Llave de Carraca Reversible

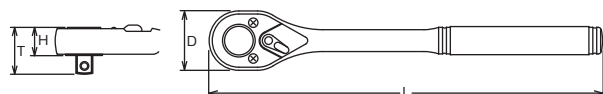


* Renewal Kits → 3753RK → P306

D3753J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 3753RK → P306

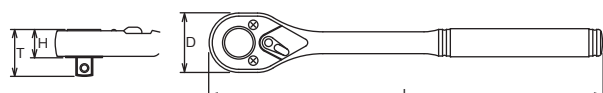


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3753N	30.5	26.4	15.7	200	320	1
3753P	30.5	26.4	15.7	200	286	1
3753J	30.5	26.4	15.7	200	260	1
D3753J	30.5	26.4	15.7	200	260	1

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



* Renewal Kits → 3753RK → P306



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



3753P-250 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

3/8" Hand Sockets

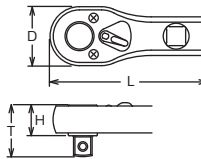


* Renewal Kits → 3753BRK → P306

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3753SMB	30.5	26.4	15.7	81	175	2

3753SMB

Multi Purpose Ratchet with Quick Release Button
Llave de Carraca de Aplicación General, reversible ⚠



3753NB

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



* Renewal Kits → 3753BRK → P306



3753PB

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



* Renewal Kits → 3753BRK → P306



3753JB

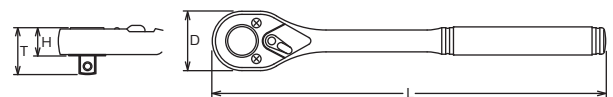
Reversible Ratchet with Quick Release Button
Llave de Carraca Reversible con botón de extracción rápida ⚠



* Renewal Kits → 3753BRK → P306

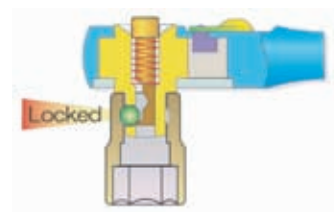


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753NB	30.5	26.4	15.7	200	320	1
3753PB	30.5	26.4	15.7	200	286	1
3753JB	30.5	26.4	15.7	200	260	1



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

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



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

Hand Sockets **3/8"**

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

2774PS-3/8

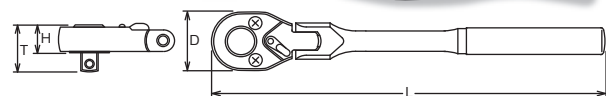
Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → 2749RK-3/8 → P306

2774JS-3/8

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



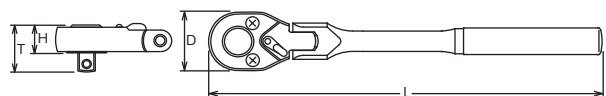
* Renewal Kits → 2749RK-3/8 → P306

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

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

3774PS

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → 3753RK → P306

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

3774N

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



OVAL SHAPE
SHANK



* Renewal Kits → 3753RK → P306

3774P

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



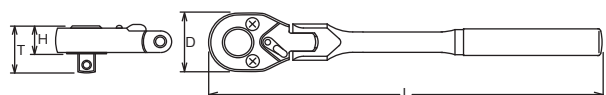
* Renewal Kits → 3753RK → P306

3774J

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible



* Renewal Kits → 3753RK → P306



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

3/8" Hand Sockets

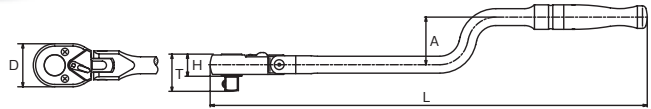


* Renewal Kits → 3753BRK → P306

3774P-SR Speeder Ratchet



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



* Renewal Kits → 3753BRK → P306



3774NB

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



* Renewal Kits → 3753BRK → P306

3774PB

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



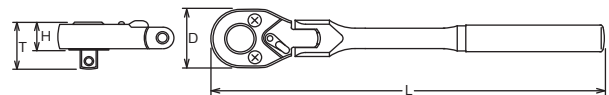
* Renewal Kits → 3753BRK → P306

3774JB

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

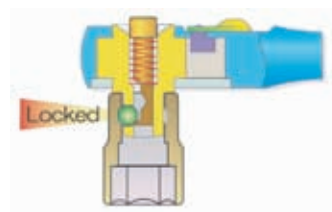


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774NB	30.5	26.4	15.7	265	378	1
3774PB	30.5	26.4	15.7	265	373	1
3774JB	30.5	26.4	15.7	285	367	1



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.

Hand Sockets 3/8"

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

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



* Renewal Kits → 3753RK → P306



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



* Renewal Kits → 3753RK → P306



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



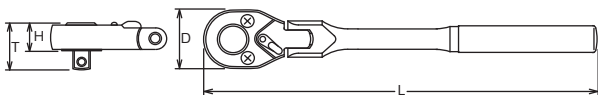
* Renewal Kits → 3753RK → P306



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 → P306



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

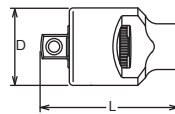
45

* Renewal Kits → 3755RK → P309

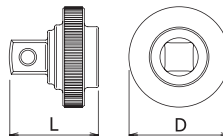
	D (mm)	L (mm)	(g)	(pcs.)
3755	30.5	55	146	5

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

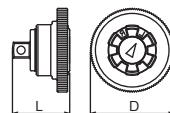
3755 Ratchet Adaptor Adaptador de carraca



3756 Quick Spinner Disco de Giro Rápido



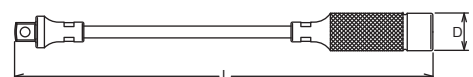
3757 Ratchet Wheel Rueda de carraca



3762 Flexible Extension Bar Alargadera Flexible



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



Hand Sockets **3/8"**

Z-SERIES

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IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

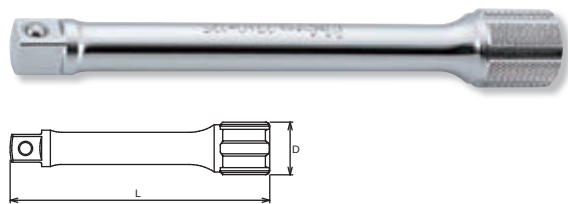
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3760 Extension Bars Alargaderas



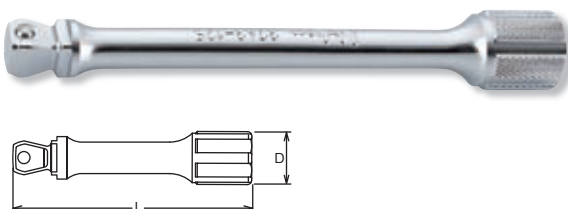
3760	D (mm)	L (mm)	(g)	(pcs.)
32	18	32	27	10
50	18	50	47	10
75	18	75	68	10
125	18	125	106	10
150	18	150	125	10
250	18	250	196	5
300	18	300	291	2
400	18	400	365	1
500	18	500	490	1
600	18	600	538	1
900	18	900	805	1
1000	18	1000	968	1

PK3760/6 Set Juego



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

3763 Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas



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

PK3763/6 Set Juego



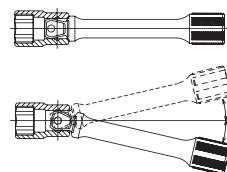
PK3763/6	6 Pieces Set/△=560g
PLASTIC TRAY	
Extension Bars	
3763 Wobble-Fix Extension Bars 32, 50, 75, 125, 150, 250	

Wobble-Fix Extension Bar

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

Alargadera Articulada-Fija

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



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

3/8" Hand Sockets



RENEWAL KIT FOR
HINGE HANDLE



OVAL SHAPE
SHANK



* Renewal Kits → 3768RK → P309

3768N-175 Hinge Handle Mango Articulado



* Renewal Kits → 3768RK → P309

3768N-250 Hinge Handle Mango Articulado



* Renewal Kits → 3768RK → P309

3768P-250 Hinge Handle Mango Articulado

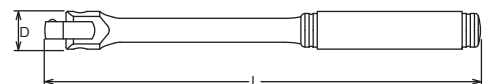


* Renewal Kits → 3768RK → P309

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 → P309

3768N-300 Hinge Handle ⚠ Mango Articulado

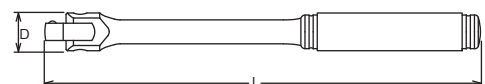


* Renewal Kits → 3768RK → P309

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.

Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

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SLEEVE-DRIVE
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INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

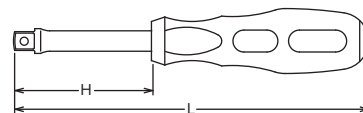
3769N-160 • -230

Spin Type Handle
Mango Tipo Destornillador



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

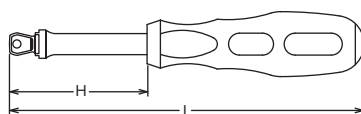
Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.



WOBBLE-FIX
EXTENSION BAR

3769NWF-160 • -230

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

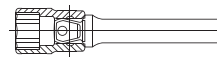


3769NWF	H (mm)	L (mm)	(g)	(pcs.)
160	50	160	110	2
230	120	230	135	2

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

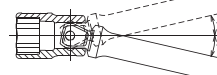
Wobble-Fix Extension Bar

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



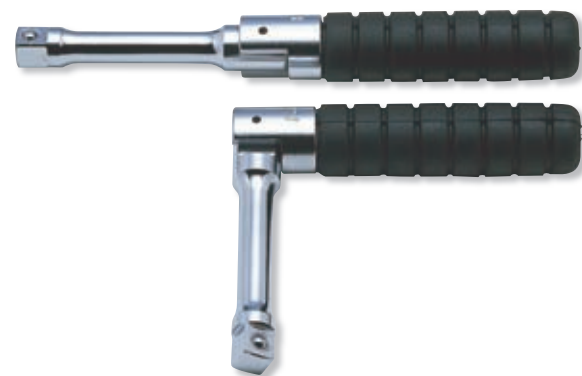
Alargadera Articulada-Fija

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

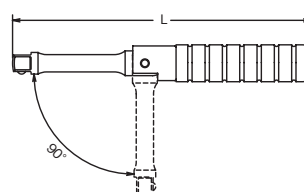


3769H

Folding Socket Driver
Llave de Vaso Plegable

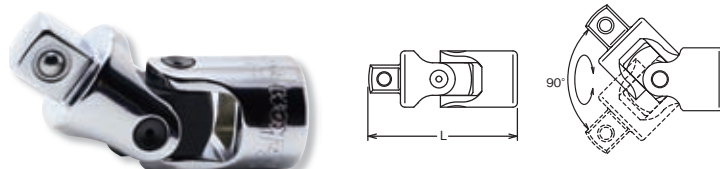


3769H	L (mm)	(g)	(pcs.)
3769H	170	210	2



3770

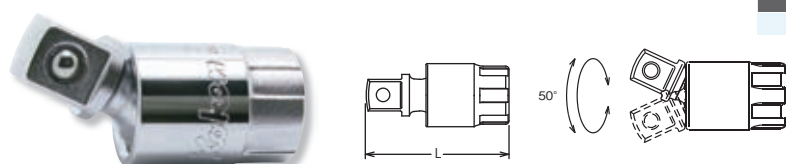
Universal Joint
Articulación Universal



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

3771

Universal Joint
Articulación Universal



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

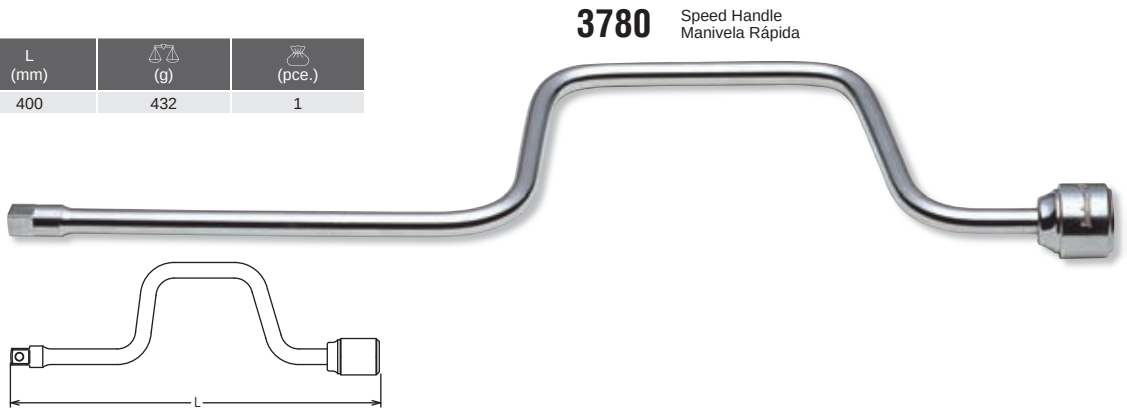


UNIVERSAL JOINT

3/8" Hand Sockets

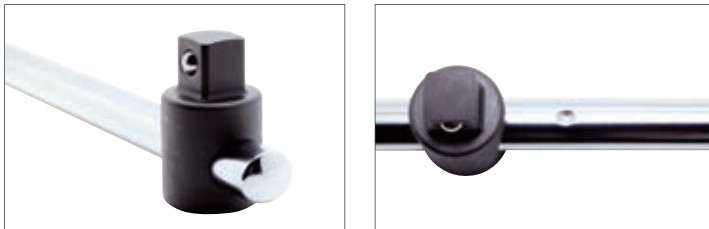
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
PROTECTOR
AUTOMOTIVE
CONSTRUCTION
RENEWAL KITS

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



3780 Speed Handle
Manivela Rápida

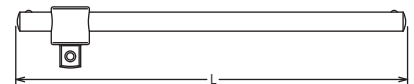
3785 T-Handle
Mango Corredizo



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



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

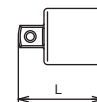


	(sq)	(sq)	L (mm)	(g)	(pcs.)
3322A	3/8"	1/4"	24	18	10
3344A	3/8"	1/2"	30	35	10

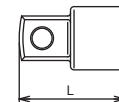
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

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

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



3344A Adaptor
Adaptador



PK2346/6 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")	Warranty/Garantía 86Nm
3322A	(3/8") X (1/4")	
3344A	(3/8") X (1/2")	Warranty/Garantía 290Nm
4433A	(1/2") X (3/8")	
4466A	(1/2") X (3/4")	Warranty/Garantía 668Nm
6644A	(3/4") X (1/2")	



Hand Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

3200M • 3200A

Socket Sets
Juegos de Vasos



3201AMW

Socket Set
Juego de Vasos



3206M

Socket Set
Juego de Vasos



3206A

Socket Set
Juego de Vasos



3206AM

Socket Set
Juego de Vasos



3200M

18 Pieces Set/⚖️=2,250g

METAL CASE: W415×H120×T50mm

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

3200A

18 Pieces Set/⚖️=2,250g

METAL CASE: W415×H120×T50mm

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

3201AMW

42 Pieces Set/⚖️=4,700g

METAL CASE: W445×H190×T50mm

Sockets	Accessories
3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	3753N
3405A 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8	3760-75
	3760-125
	3760-250
	3768N-250
3405W 12-pt. Sockets 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	3769N-160
	3770
	3780
	3785
	3344A

3206M

21 Pieces Set/⚖️=2,100g

METAL CASE: W395×H90×T50mm

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

3206A

17 Pieces Set/⚖️=2,000g

METAL CASE: W395×H90×T50mm

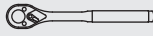
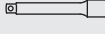
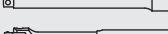
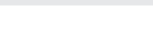
Sockets	Accessories
3400A 6-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16	3753N
3405A 12-pt. Sockets 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3760-125
	3760-250
	3768N-250
	3785

3206AM

27 Pieces Set/⚖️=3,500g

METAL CASE: W445×H190×T50mm

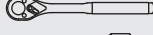
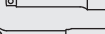
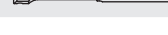
Sockets	Accessories
3405M 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22	3753N
3405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	3760-125
	3760-250
	3768N-250
3300C Spark Plug Socket 20.8	3770

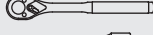
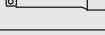
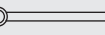
3210M 22 Pieces Set/🔑=2,900g	
METAL CASE:W360×H145×T50mm	
Sockets	Accessories
 3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12	 3753N  3760-125  3760-250  3768N-250  3770  3785

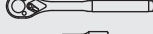
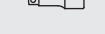
3215M 7 Pieces Set/🔑=430g	
PLASTIC BAG	
Sockets	
 3305M 12-pt. Deep Sockets 8, 10, 11, 12, 13, 14, 17	

3215A 7 Pieces Set/🔑=430g	
PLASTIC BAG	
Sockets	
 3305A 12-pt. Deep Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16	

3217M 14 Pieces Set/🔑=850g	
METAL CASE:W163×H52×T33mm	
Sockets	
 3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	

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

3221M 18 Pieces Set/🔑=2,300g	
METAL CASE:W415×H120×T50mm	
Sockets	Accessories
 3405M 12-pt. Sockets 6, 8, 9, 10, 11, 12, 13, 14, 17, 19, 21, 22	 3753N  3760-125  3760-250  3768N-250  3769N-160  3785

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

3210M Socket Set
Juego de Vasos



3215M • 3215A Socket Sets
Juegos de Vasos



3217M Socket Set
Juego de Vasos



3220M Socket Set
Juego de Vasos



3221M Socket Set
Juego de Vasos



3244 Socket Set
Juego de Vasos



Hand Sockets 3/8"

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

○ Display Stands
Expositores



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

DISPLAY STAND:W510×H150×T230mm

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

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

DISPLAY STAND:W510×H150×T230mm

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

3250M

Socket Set
Juego de Vasos



3250M 17 Pieces Set/△=2,200g

METAL CASE:W415×H120×T50mm

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

3252M

Socket Set
Juego de Vasos



3252M 15 Pieces Set/△=1,530g

METAL CASE:W310×H90×T48mm

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

P3262M-6P

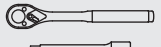
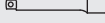
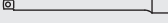
Socket Set
Juego de Vasos

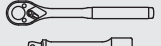
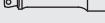


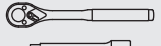
P3262M-6P 11 Pieces Set/△=1,140g

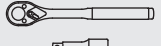
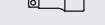
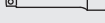
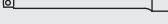
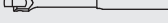
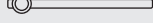
PLASTIC CASE:W245×H120×T45mm

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

3275 24 Pieces Set/△=3,150g	
METAL CASE:W400×H147×T50mm	
Sockets	Accessories
 3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12	 3753N
 3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22	 3760-125
 3300C Spark Plug Sockets 16, 20.8	 3760-250
	 3768N-250
	 3770
	 3756

3276 20 Pieces Set/△=3,370g	
METAL CASE:W310×H150×T50mm	
Sockets	Accessories
 3000 Bit Sockets 2, 3	 3753N
 3005 Bit Sockets 5, 8	 3763-125
 3010M.62 Hex Bit Sockets 5, 6, 7, 8, 10	
 3025.50 TORX®Bit Sockets T10, T15, T20, T25, T27, T30, T40, T45, T50	

3277 29 Pieces Set/△=3,240g	
METAL CASE:W370×H150×T50mm	
Sockets	Accessories
 3400M 6-pt. Sockets 8, 9, 10, 11, 12	 3753N
 3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21	 3760-125
 3300M 6-pt. Deep Sockets 8, 9, 10, 11, 12	 3768N-250
 3305M 12-pt. Deep Sockets 13, 14, 15, 16, 17, 18, 19, 21	

3279AM 35 Pieces Set/△=4,200g	
METAL CASE:W445×H190×T50mm	
Sockets	Accessories
 3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	 3753N
 3405A 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8	 3760-75
	 3760-125
	 3760-250
 3300S Spark Plug Sockets 16, 20.8	 3768N-250
	 3769N-160
	 3770
	 3785

3275 Socket Set
Juego de Vasos



3276 Bit Socket Set
Juego de Vasos con Punta



3277 Socket Set
Juego de Vasos



3279AM Socket Set
Juego de Vasos



Hand Sockets 1/2"

Z-SERIES

HAND
MANUALES

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RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

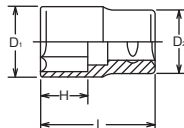
4400M



6-point Sockets
Vasos Hexagonales



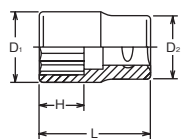
FLAT DRIVE®



4405M



12-point Sockets
Vasos Bihexagonales



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

RS4400M/10



Socket Set on Rail
Juego de Vasos en Regleta

RS4405M/10



Socket Set on Rail
Juego de Vasos en Regleta



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

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

	6-Point	12-Point	Surface Drive	Nut Grip®	TORX® (E)	TORXPLUS® (EPL)	Double Square	LHSTIX® (LH-S)
1/4"	No. 2400M/A No. 2300M/A No. 2400W-BA No. 2300W-BA No. 2300X series	No. 2405M/A No. 2305M/A No. AS2405A No. AS2305A series	No. 2410M No. 2310M series	No. 2450MS 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

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

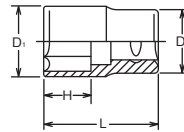
RS4405A/10	10 Pieces Set/Rail 300mm	(g)
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		809

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

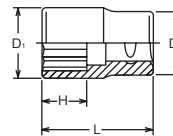
RS4400W/8	8 Pieces Set/Rail 250mm	(g)
3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8		860

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

4400A 6-point Sockets Vastos Hexagonales



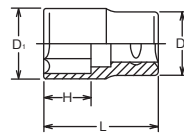
4405A 12-point Sockets Vastos Bihexagonales



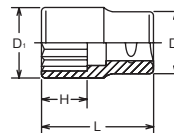
RS4400A/10 Socket Set on Rail Juego de Vastos en Regleta RS4405A/10



4400W 6-point Whitworth Sockets Vastos Whitworth Hexagonales



4405W 12-point Whitworth Sockets Vastos Whitworth Bihexagonales



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



BS W



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

Hand Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

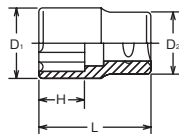
4410M



Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE



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

RS4410M/10



Socket Set on Rail
Juego de Vasos en Regleta

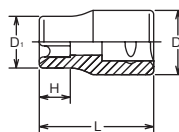


RS4410M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		717

4425



TORX® Sockets
Vasos TORX®



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

RS4425/7

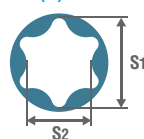


Socket Set on Rail
Juego de Vasos en Regleta



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

TORX® (E)

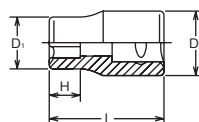


E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

4425-N



TORX® Sockets
Vasos TORX®



RS4425/6-N



Socket Set on Rail
Juego de Vasos en Regleta



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

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



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

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

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

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

TORXplus®

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

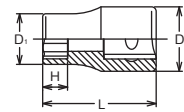
RS4450M/10	10 Pieces Set/Rail 300mm	 (g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		717

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

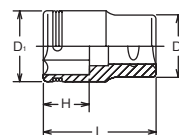
Six Lobes with Large Cross-Sectional Areas

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



NUT GRIP®

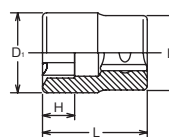
4450M Nut Grip Sockets Vasos Sujeta-Tuerzas Nut Grip®



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



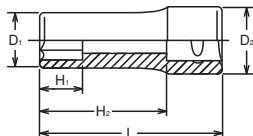
4400LH LHS Sockets Vasos LHS



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

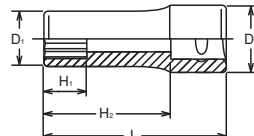


4300M • 4300A 6-point Deep Sockets Vasos Hexagonales Largos



4300M 4305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	9	59	77	76	10
9	13.8	21	10	59	77	82	10
10	15.3	21	11	59	77	82	10
11	16.5	21	12	59	77	86	10
12	17.8	21	13	59	77	92	10
13	19	21.8	14	59	77	106	10
14	20.3	21.8	15	59	77	115	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	139	10
18	25	24	19	59	77	149	10
19	26.5	25	20	58	77	165	10
20	27.8	26	21	58	77	183	10
21	29	27	23	58	77	190	10
22	30	28	27	57	77	200	10
23	31.5	29	27	57	77	233	10
24	32.8	30	27	57	77	249	10
25	34	31	27	57	77	270	10
26	35	32	27	56	77	279	10
27	36.5	33	28	56	77	303	10
28	37.8	34	28	56	77	331	10
29	39	35	28	55	77	357	10
30	40	36	34	55	77	342	10
31	41.5	37	34	55	77	384	10
32	42.8	38	34	55	77	405	10
33	44.2	39	35	54	77	420	5
34	45.2	40	35	54	77	442	5
35	46.2	40	35	53	77	458	5
36	47.2	41	35	53	77	484	5
37	48.2	42	38	53	77	475	5
38	49	44	38	53	77	490	5

4305M • 4305A 12-point Deep Sockets Vasos Bihexagonales Largos



4300A 4305A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/16	13.2	21	9	59	77	76	10
3/8	14.6	21	10	59	77	82	10
7/16	16.5	21	12	59	77	86	10
1/2	19	21.8	14	59	77	106	10
9/16	20.3	21.8	15	59	77	115	10
19/32	21.5	21.8	16	59	77	123	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	139	10
11/16	25	24	19	59	77	149	10
3/4	26.5	25	20	58	77	165	10
25/32	27.8	26	21	58	77	183	10
13/16	29	27	23	58	77	190	10
7/8	30	28	27	57	77	200	10
15/16	32.8	30	27	57	77	249	10
31/32	34	31	27	57	77	270	10
1	35	32	27	56	77	279	10
1. 1/16	36.5	33	28	56	77	303	10
1. 1/8	37.8	34	28	56	77	331	10
1. 3/16	40	36	34	55	77	342	10
1. 1/4	42.8	38	34	55	77	405	10
1. 5/16	44.2	39	35	54	77	420	5
1. 3/8	46.2	40	35	54	77	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	2

RS4300M/10 10 Pieces Set/Rail 300mm

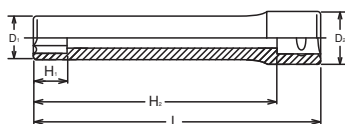
RS4305M/10 10 Pieces Set/Rail 300mm

RS4300A/10 10 Pieces Set/Rail 300mm

RS4305A/10 10 Pieces Set/Rail 300mm



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



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

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

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

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

4300M(L120) (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	9	102	120	120	5
10	15.3	21	11	102	120	138	5
12	17.8	21	13	102	120	157	5
14	20.3	21.8	15	102	120	193	5
16	22.8	22	17	102	120	210	5

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

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

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

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

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

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

NUT GRIP®

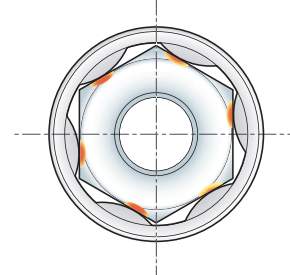
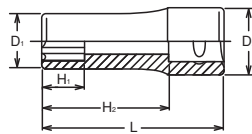
Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.

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



4310M

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



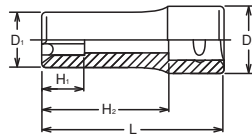
RS4310M/10

Socket Set on Rail
Juego de Vasos en Regleta



4325

TORX® Deep Sockets
Vasos TORX® Largos



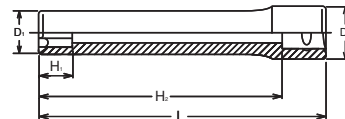
RS4325/7

Socket Set on Rail
Juego de Vasos en Regleta



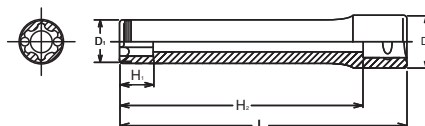
4325 (L140)

TORX® Extra Deep Sockets
Vasos TORX® Extra Largos



4325 (L140)-2B

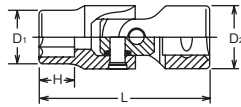
TORX® Extra Deep Sockets, Nut Grip®
Vasos TORX® Extra Largos, Nut Grip®



4440M • 4440A



6-point Universal Sockets
Vasos Hexagonales con Articulación Universal



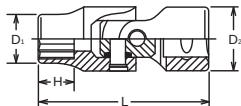
4440A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10
3/4	26.5	25	15	71	170	10
7/8	30.3	25	16	72	185	5

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



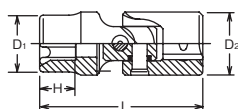
4445A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10

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

4440T



TORX® Universal Sockets
Vasos TORX® con Articulación Universal

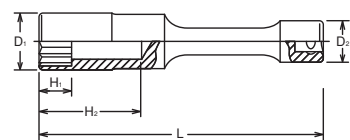


4440T (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10	13.2	25	8.2	62	145	10
E12	15	25	9.3	63	147	10
E14	16.3	25	10.6	65	148	10
E16	18.8	25	11.8	65	150	10
E18	20.4	25	13	67	153	10

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

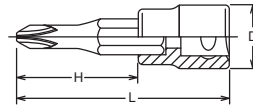
4117M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)
13	18.7	24	13	59	250	412	1
14	20.2	24	14	59	250	423	1
17	24	24	17	59	250	469	1
19	26.9	24	19	59	250	484	1
21	28.5	24	21	59	250	496	1
22	30	24	22	59	250	516	1
24	32	24	24	59	250	560	1
27	36.5	24	27	59	250	641	1
30	40	24	30	59	250	663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

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

4000-60 (PH)



PH Bit Sockets
Vasos con Punta PH

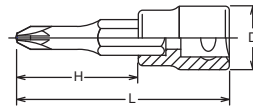


4000.60 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ2	22	23.5	60	65	10
PZ3	22	23.5	60	65	10

4000-60 (PZ)



PZ Bit Sockets
Vasos con Punta PZ

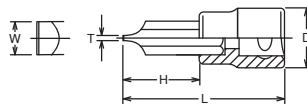


4005	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	1.2× 8	22	23.5	60	65	10
10	1.6×10	22	23.5	60	75	10
12	2.0×12	23	23.5	60	111	10
14	2.5×14	24	23.5	60	133	10
16	2.5×16	24	23.5	60	133	10

4005-60



Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas

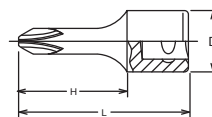


4001 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	21	38	60	49	10
2	21	38	60	53	10
3	21	38	60	55	10
4	21	38	60	57	10

4001



PH Bit Sockets
Vasos con Punta PH

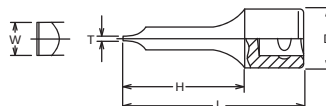


4006	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0× 5.5	21	38	60	53	10
8	1.2× 8	21	38	60	62	10
10	1.6×10	21	38	60	67	10
12	2.0×12	21	38	60	72	10
14	2.5×14	21	38	60	81	10
16	2.5×16	21	38	60	88	10

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
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4010M-50 · -75 · -100 · -160 4010A-60

Inhex Bit Sockets
Vasos con Punta Hexagonal



4010M.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	13.5	50	61	10
5	22	13.5	50	62	10
6	22	13.5	50	64	10
7	22	13.5	50	65	10
8	22	13.5	50	66	10
9	22	13.5	50	73	10
10	22	13.5	50	75	10
12	23	13.5	50	105	10
13	24	13.5	50	120	10
14	24	13.5	50	120	10
16	25	15	50	150	10
17	25	15	50	150	10
18	27	15	50	200	5
19	27	15	50	200	5

4010M.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	63.5	100	77	10
5	22	63.5	100	78	10
6	22	63.5	100	80	10
7	22	63.5	100	82	10
8	22	63.5	100	84	10
9	22	63.5	100	105	10
10	22	63.5	100	109	10
12	23	63.5	100	155	10
13	24	63.5	100	180	5
14	24	63.5	100	180	5
16	25	60	100	250	5
17	25	60	100	250	5
18	27	58	100	300	5
19	27	58	100	300	5

4010M.75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	38.5	75	69	10
5	22	38.5	75	70	10
6	22	38.5	75	72	10
7	22	38.5	75	73	10
8	22	38.5	75	74	10
9	22	38.5	75	90	10
10	22	38.5	75	92	10
12	23	38.5	75	130	10
13	24	38.5	75	150	10
14	24	38.5	75	150	10
16	25	35	75	180	10
17	25	35	75	180	10
18	27	33	75	230	5
19	27	33	75	230	5

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

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



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

Socket Set on Rail
Juego de Vasos en Regleta



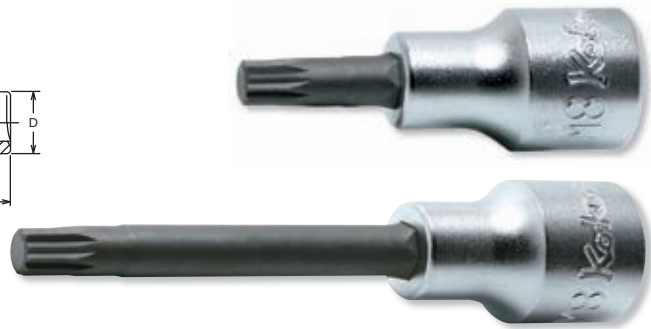
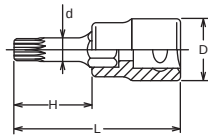
RS4010M/10-L50	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		968

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

RS4010A/10-L60	10 Pieces Set/Rail 300mm	(g)
3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4		1,080

4020-60 · -100 · -120 · -140

 XZN Bit Sockets
Vasos con Punta XZN



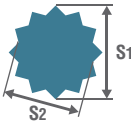
4020.60 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	23.5	60	60	10
M 6	22	7.8	23.5	60	61	10
M 8	22	7.8	23.5	60	63	10
M10	23	11.9	23.5	60	93	10
M12	23	11.9	23.5	60	97	10
M14	24	13.9	23.5	60	105	10
M16	25	16.9	20	60	165	10
M18	25	17.9	20	60	170	10

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

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

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

XZN



XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
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



M5, M6, M8, M10, M12, M14

500

RS4020/6-L60



Socket Set on Rail
Juego de Vasos en Regleta



	 PH	 PZ	 Slotted	 HEX	 HEX (ball point)	 Triple Square (XZN)	 TORX® (T)	 TORX® (TH)	 TORXplus® (IP)	 TORXplus® (IPR)	 Ribe-CV
 1/4"	No.2000 series	No.2000(PZ) series	No.2005 series	No.2010M/A series	No.2011M series	No.2020 series	No.2025 series	No.2025(TH) series	No.2025(IP) series	No.2025(IPR) series	—
 3/8"	No.3000 No.3001 series	No.3000(PZ) series	No.3005 No.3006 series	No.3010M/A No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(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 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
SLEEVES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

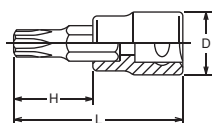
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4025-60 · -100 · -140 (T)

 TORX® Bit Sockets
Vasos con Punta TORX®



4025.60 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T15	22	23.5	60	58	10
T20	22	23.5	60	59	10
T25	22	23.5	60	60	10
T27	22	23.5	60	60	10
T30	22	23.5	60	60	10
T40	22	23.5	60	62	10
T45	22	23.5	60	64	10
T50	22	23.5	60	74	10
T55	23	23.5	60	96	10
T60	24	23.5	60	122	10
T70	24	23.5	60	135	10
T80	24	20	60	168	10

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

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

RS4025/9-L60

  Socket Set on Rail
Juego de Vasos en Regleta



RS4025/9-L60

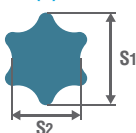
9 Pieces Set/Rail 250mm

(g)

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

700

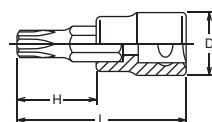
TORX®
(T)



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

4025-60-T35

 Bit Socket
Vasos con Punta



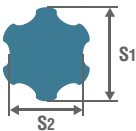
4025.60	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T35	22	23.5	60	96	10

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

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

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

TORXPLUS® (IP)



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

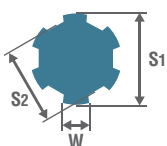
4027.60	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	62	10
M 7	22	23.5	60	63	10
M 8	22	23.5	60	64	10
M 9	22	23.5	60	70	10
M10	22	23.5	60	74	10
M12	23	23.5	60	96	10
M13	24	23.5	60	116	10
M14	24	23.5	60	122	10
M16	24	25	60	135	10

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

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

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

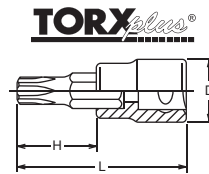
Ribe CV



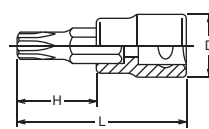
CV		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
W	(ref. mm)	1.2	1.3	1.4	1.8	2.0	2.3	2.6	3.1	3.2	3.6
S ₁	(ref. mm)	5.0	6.0	7.0	8.0	9.0	10.0	12.0	13.0	14.0	16.0
S ₂	(ref. mm)	3.8	4.5	5.0	6.0	7.1	7.4	9.0	11.0	10.4	11.9

4025-60 · -100 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®



TORXplus®



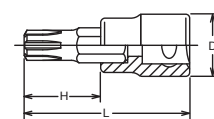
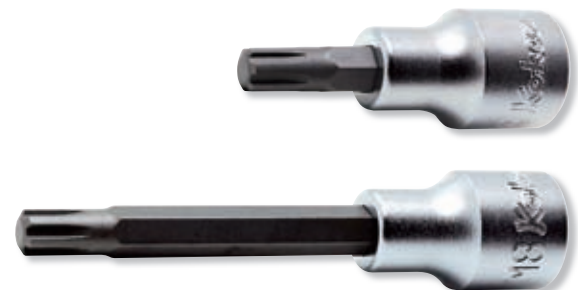
RS4025/9-IP

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
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

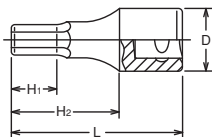
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4012M-43 · -60 · -75 · -100



Inhex Sockets
Vasos con Punta de Hexagonal



4012M.43 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
4	21.1	11.5	23	43	40	10
5	21.1	11.5	23	43	46	10
6	21.1	11.5	23	43	42	10
7	21.1	11.5	23	43	46	10
8	21.1	11.5	23	43	49	10
9	21.1	11.5	23	43	63	10
10	23	11.5	23	43	63	10
11	25	11.5	23	43	74	10
12	25	11.5	23	43	81	10
13	25	11.5	23	43	85	10
14	25	11.5	23	43	88	10
15	26	11.5	23	43	91	10
16	26	11.5	23	43	100	10
17	26	11.5	23	43	101	10
18	26	11.5	23	43	106	10
19	26	11.5	23	43	110	10
20	26	11.5	23	43	130	10
21	26	11.5	23	43	140	10
22	26	11.5	23	43	145	10
23	28	11.5	23	43	167	10
24	28	11.5	23	43	170	10
27	32	11.5	23	43	226	10

4012M.75 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
4	21.1	15.5	53	75	52	10
5	21.1	15.5	53	75	58	10
6	21.1	15.5	53	75	62	10
7	21.1	15.5	53	75	70	10
8	21.1	15.5	53	75	74	10
9	21.1	15.5	53	75	88	10
10	23	15.5	53	75	94	10
11	25	15.5	53	75	119	10
12	25	15.5	53	75	122	10
13	25	15.5	53	75	137	10
14	25	15.5	53	75	148	10
15	26	15.5	53	75	151	10
16	26	15.5	53	75	171	10
17	26	15.5	53	75	184	10
18	26	15.5	53	75	196	10
19	26	15.5	53	75	212	10
22	26	22.5	53	75	266	10
24	27.9	22.5	53	75	315	10

4012M.60 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
4	21.1	15.5	38	60	49	10
5	21.1	15.5	38	60	55	10
6	21.1	15.5	38	60	56	10
7	21.1	15.5	38	60	60	10
8	21.1	15.5	38	60	64	10
9	21.1	15.5	38	60	78	10
10	23	15.5	38	60	78	10
11	25	15.5	38	60	100	10
12	25	15.5	38	60	107	10
13	25	15.5	38	60	111	10
14	25	15.5	38	60	122	10
15	26	15.5	38	60	125	10
16	26	15.5	38	60	134	10
17	26	15.5	38	60	141	10
18	26	15.5	38	60	153	10
19	26	15.5	38	60	159	10
21	26	15.5	38	60	197	10
22	26	22.5	38	60	205	10
23	28	22.5	38	60	242	10
24	28	22.5	38	60	245	10

4012M.100 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
4	24	15.5	78	100	75	10
5	24	15.5	78	100	81	10
6	24	15.5	78	100	85	10
7	24	15.5	78	100	93	10
8	24	15.5	78	100	97	10
9	24	15.5	78	100	111	10
10	24	15.5	78	100	117	10
11	24	15.5	78	100	142	10
12	24	15.5	78	100	143	10
13	24	15.5	78	100	158	10
14	24	15.5	78	100	169	10
15	24	15.5	78	100	172	10
16	24	15.5	78	100	192	5
17	24	15.5	78	100	215	5
18	24	15.5	78	100	227	5
19	24	15.5	78	100	243	5

RS4012M/10-L60



Socket Set on Rail
Juego de Vasos en Regleta



RS4012M/10-L60

10 Pieces set/Rail 300mm

(g)

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

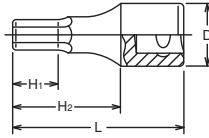
910



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

4012A-43 • -60 • -75 • -100

Inhex Sockets
Vasos Inhex



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

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

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

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

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

RS4012A/10-L60



Socket Set on Rail
Juego de Vasos en Regleta



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

Hand Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

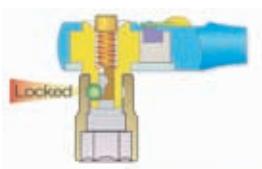
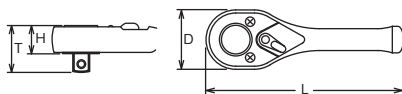


* Renewal Kits → 3749SRK-1/2 → P306

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



* Renewal Kits → 3749SBRK-1/2 → P306



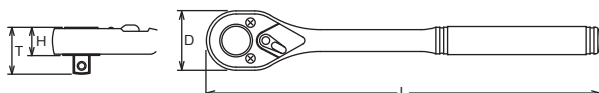
⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

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

4749N-250 Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 4749RK → P306



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

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

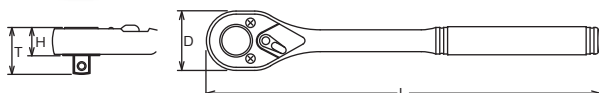


* Renewal Kits → 4749RK → P306

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



* Renewal Kits → 4749RK → P306



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

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 → P306



* Renewal Kits → 4750RK → P306



* Renewal Kits → 4750RK → P306

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

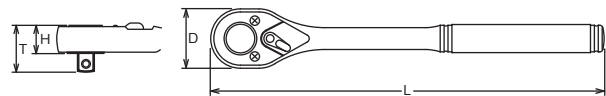
4750N Reversible Ratchet Llave de Carraca Reversible



4750P Reversible Ratchet Llave de Carraca Reversible



4750J Reversible Ratchet Llave de Carraca Reversible



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



* Renewal Kits → 4750BRK → P306



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



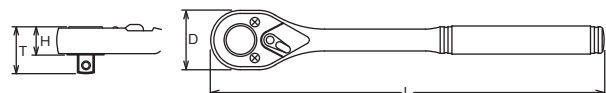
* Renewal Kits → 4750BRK → P306



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



* Renewal Kits → 4750BRK → P306



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

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

Hand Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIALES

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4752N Reversible Ratchet Llave de Carraca Reversible



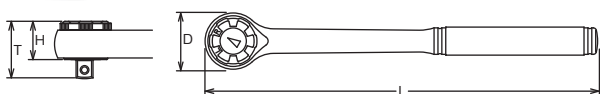
* Renewal Kits → 4752RK → P307



4752J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 4752RK → P307



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

[L/R Marking]



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

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

4753N Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 4753RK → P306



4753P Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 4753RK → P306



4753J Reversible Ratchet Llave de Carraca Reversible



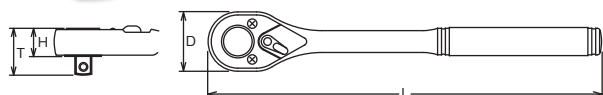
* Renewal Kits → 4753RK → P306



D4753J Reversible Ratchet Llave de Carraca Reversible



* Renewal Kits → 4753RK → P306

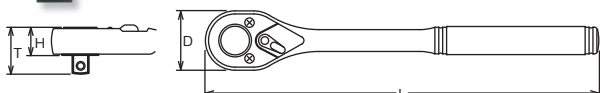


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753N	38	36.2	21.6	250	595	1
4753P	38	36.2	21.6	250	570	1
4753J	38	36.2	21.6	250	545	1
D4753J	38	36.2	21.6	250	510	1

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



* Renewal Kits → 4753RK → P306



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

⚠ 4753P-410 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

1/2" Hand Sockets



* Renewal Kits → 4753BRK → P306

4753NB

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



* Renewal Kits → 4753BRK → P306

4753PB

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



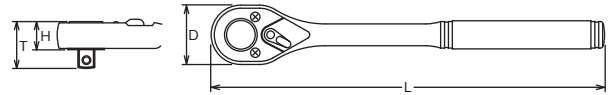
* Renewal Kits → 4753BRK → P306

4753JB

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



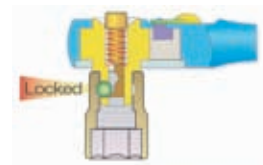
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753NB	38	36.2	21.6	250	595	1
4753PB	38	36.2	21.6	250	570	1
4753JB	38	36.2	21.6	250	545	1



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

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

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



GEAR TEETH



4749series



4753series



4750series



4752series



4774series



Hand Sockets **1/2"**

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

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



* Renewal Kits → **4753RK** → **P306**



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



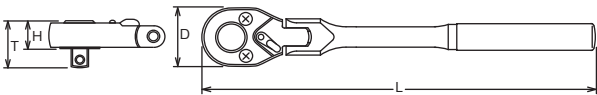
* Renewal Kits → **4753RK** → **P306**



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



* Renewal Kits → **4753RK** → **P306**

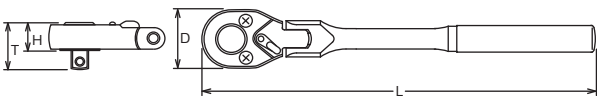


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4774N	38	36.2	21.6	330	700	1
4774P	38	36.2	21.6	330	700	1
4774J	38	36.2	21.6	330	685	1

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



* Renewal Kits → **4753RK** → **P306**



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

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

1/2" Hand Sockets



* Renewal Kits → **4753BRK** → **P306**

4774NB

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



OVAL SHAPE SHANK



* Renewal Kits → **4753BRK** → **P306**

4774PB

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



* Renewal Kits → **4753BRK** → **P306**

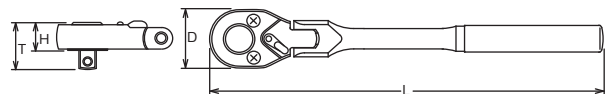
4774JB

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



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

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



Reversible Ratchet with Quick Release Button :

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

Llave de Carraca Reversible con Botón de

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

Hand Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4768N-300

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK → P309



RENEWAL KIT FOR
HINGE HANDLE



OVAL SHAPE
SHANK

4768N-380 • -450

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK → P309



4768P-380 • -450

Hinge Handle
Mango Articulado

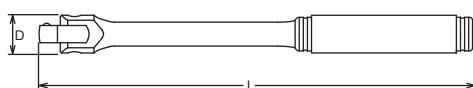
* Renewal Kits → 4768RK → P309



4768J-380 • -450

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK → P309



⚠ 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 → P309



4768P-600

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK → P309



4768J-600

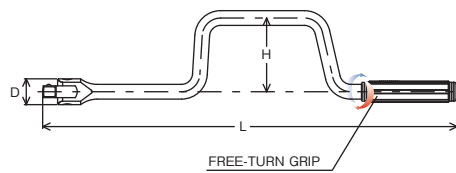
Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK → P309



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

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



4781N-450 Flexible Speed Handle Manivela Rápida Flexible

* Renewal Kits → 4768RK → P309

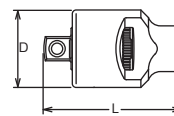


	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4781N-450	28	80	450	1000	1

4755 Ratchet Adaptor Adaptador de carraca

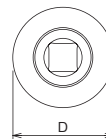
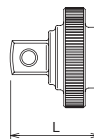
45

* Renewal Kits → 4755RK → P309



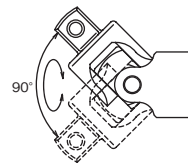
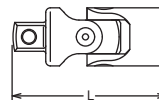
	D (mm)	L (mm)	(g)	(pcs.)
4755	33.5	65	270	5

4756 Quick Spinner Disco de Giro Rápido



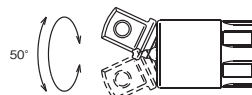
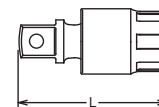
	D (mm)	L (mm)	(g)	(pcs.)
4756	38	34.5	95	10

4770 Universal Joint Articulación Universal



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

4771 Universal Joint Articulación Universal



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



UNIVERSAL JOINT



Hand Sockets 1/2"

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SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

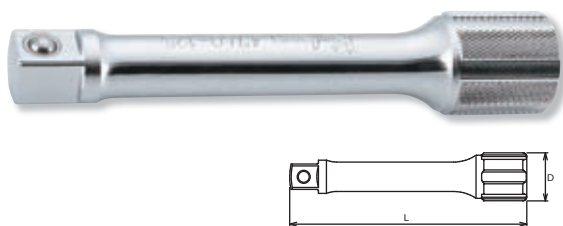
PROTECTOR
PROTECTORES

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RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4760 Extension Bars Alargaderas



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

PK4760/5 Set Juego



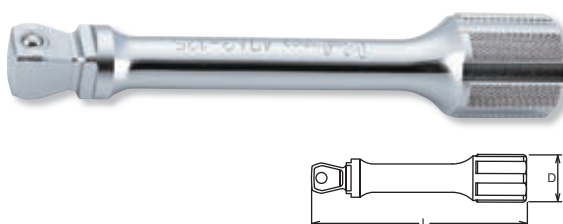
PK4760/5 5 Pieces Set/⚖️=1,050g

PLASTIC TRAY

Extension Bars

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

4763 Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas ⚠️



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

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

PK4763/5 Set Juego

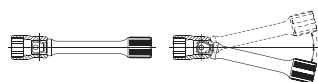


PK4763/5 5 Pieces Set/⚖️=950g

PLASTIC TRAY

Extension Bars

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



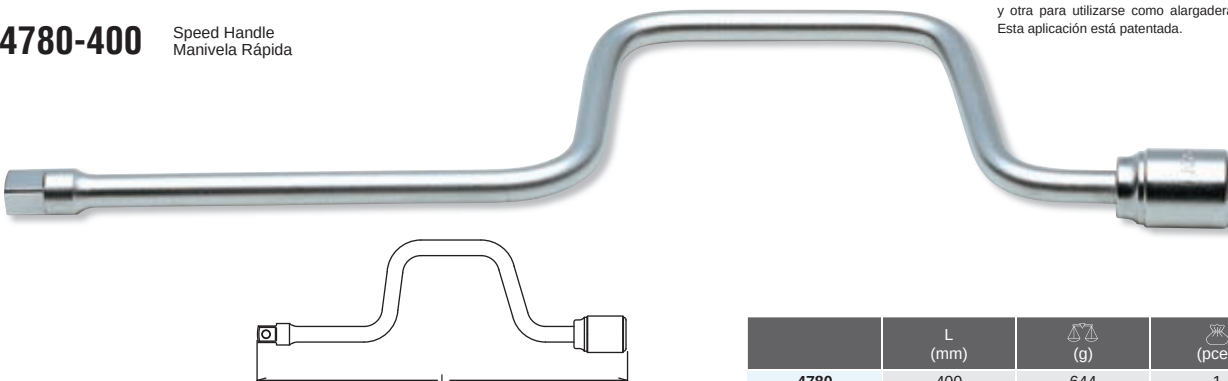
Wobble-Fix Extension Bar

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

Alargadera Articulada-Fija

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

4780-400 Speed Handle Manivela Rápida



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

1/2" Hand Sockets



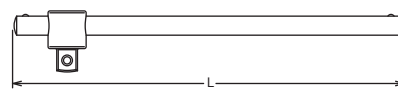
4785 T-Handle Mango Corredizo



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



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



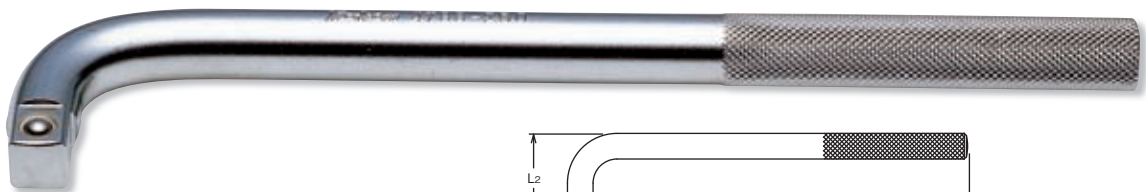
4747 L-Handle Mango Acodado



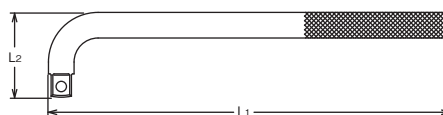
	L ₁ (mm)	L ₂ (mm)	(g)	(pcs.)
4747	263	53	470	1



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



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



⚠ 4788-450 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

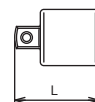
4433A	(sq.)	(sq.)	L (mm)	(g)	(pcs.)
35	1/2"	3/8"	35	50	10
75	1/2"	3/8"	75	120	10
125	1/2"	3/8"	125	164	5
250	1/2"	3/8"	250	275	5
600	1/2"	3/8"	600	530	1

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

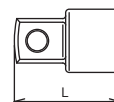
La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

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

4433A Adaptors Adaptadores Warranty 290Nm Garantía 290Nm ⚠



4466A Adaptor Adaptador



Hand Sockets 1/2"

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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



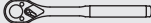
4230M • 4230A Socket Sets Juegos de Vasos



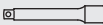
4232M Socket Set Juego de Vasos



4222M 13 Pieces Set/🔧=2,780g
METAL CASE:W415×H120×T50mm

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

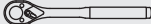
4223M 15 Pieces Set/🔧=2,600g
METAL CASE:W415×H120×T50mm

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

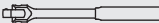
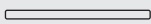
4227M 10 Pieces Set/🔧=2,550g
METAL CASE:W310×H150×T50mm

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

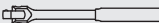
4230M 17 Pieces Set/🔧=3,150g
METAL CASE:W395×H90×T50mm

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

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

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

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

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

1/2" Hand Sockets

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



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

DISPLAY STAND:W510×H150×T230mm

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

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

DISPLAY STAND:W510×H150×T230mm

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



4238AM	38 Pieces Set/△=8,050g
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METAL CASE:W446×H266×T50mm

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

4238AM

Socket Set
Juego de Vasos



Hand Sockets **1/2"**

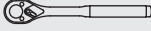
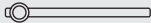
Z-SERIES
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IMPACT
DE IMPACTO
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CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

4241M Socket Set
Juego de Vasos



4241M 28 Pieces Set/ Δ = 6,500g

METAL CASE: W445×H190×T50mm

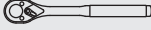
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	 4753N  4760-125  4760-250  4768N-380  4770  4785

4241A Socket Set
Juego de Vasos



4241A 19 Pieces Set/ Δ = 5,350g

METAL CASE: W445×H190×T50mm

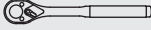
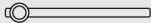
Sockets	Accessories
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	 4753N  4760-125  4760-250  4768N-380  4770  4785

4244M • 4244A Socket Sets
Juegos de Vasos



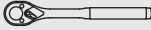
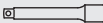
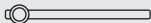
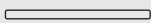
4244M 22 Pieces Set/ Δ = 5,500g

METAL CASE: W445×H190×T50mm

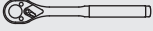
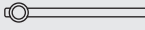
Sockets	Accessories
4405M 12-pt. Sockets 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26, 29, 32	 4753N  4760-125  4760-250  4768N-380  4770  4785  4710

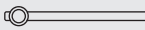
4244A 22 Pieces Set/ Δ = 5,650g

METAL CASE: W445×H190×T50mm

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

1/2" Hand Sockets

4248M 24 Pieces Set/Δ=5,700g	
METAL CASE:W445×H190×T50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	 4753N  4760-125  4760-250  4770  4780  4785

4250M 18 Pieces Set/Δ=3,700g	
METAL CASE:W445×H190×T50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	 4753N  4760-125  4760-250  4770  4785

4251M 22 Pieces Set/Δ=3,200g	
METAL CASE:W330×H68×T48mm	
Sockets	
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	

4251A 18 Pieces Set/Δ=2,660g	
METAL CASE:W330×H68×T48mm	
Sockets	
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 19/32, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4	

4252M 13 Pieces Set/Δ=1,200g	
METAL CASE:W168×H60×T42mm	
Sockets	
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	

4252A 13 Pieces Set/Δ=1,300g	
METAL CASE:W168×H60×T42mm	
Sockets	
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16	

4254 12 Pieces Set/Δ=1,070g	
METAL CASE:W215×H80×T47mm	
Sockets	Accessories
3425- E6, E8	 4763-50
4425- E10, E12, E14	 4433A-35
3325- E6, E8	
4325- E10, E12, E14	

4248M Socket Set
Juego de Vasos



4250M Socket Set
Juego de Vasos



4251M • 4251A Socket Sets
Juegos de Vasos



4252M • 4252A Socket Sets
Juegos de Vasos



4254 Socket Set
Juego de Vasos



Hand Sockets **1/2"**

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

4261M Socket Set
Juego de Vasos



4261M		18 Pieces Set	Wt=4,870g
METAL CASE:W445×H190×T50mm			
Sockets		Accessories	
	4405M 12-pt. Sockets 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 26, 27		4753N
			4760-125
			4760-250
			4768N-380
			4770

4263M Socket Set
Juego de Vasos



4263M		21 Pieces Set	Wt=6,100g
METAL CASE:W445×H190×T50mm			
Sockets		Accessories	
	4405M 12-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 17, 19, 21, 22, 23, 24, 26, 27		4753N
			4760-125
			4760-250
			4768N-380
			4770
			4715S

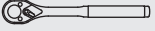
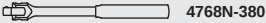
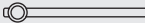
4273AM Socket Set
Juego de Vasos



4273AM		30 Pieces Set	Wt=6,940g
METAL CASE:W446×H266×T50mm			
Sockets		Accessories	
	4405M 12-pt. Sockets 10, 11, 12, 13, 14, 17, 19, 21, 22, 23, 24, 26, 27		4753N
			4760-125
	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		4760-250
			4768N-380
			4770
			4785

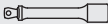
1/2" Hand Sockets

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

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

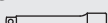
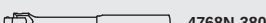
4275 Socket Set
Juego de Vasos



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

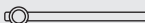
4276 Socket Set
Juego de Vasos



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

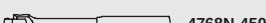
4277 Socket Set
Juego de Vasos



4279AM 36 Pieces Set/△=6,000g	
METAL CASE:W445×H190×T50mm	
Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	 4753N  4760-125  4760-250  4770  4785
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	

4279AM Socket Set
Juego de Vasos



4289M 18 Pieces Set/△=4,200g	
METAL CASE:W445×H190×T50mm	
Sockets	Accessories
4405M 12-pt. Sockets 8, 10, 12, 13, 14, 17, 19, 21, 22, 24, 27, 30, 32	 4753N  4760-125  4760-250  4768N-450  4771

4289M Socket Set
Juego de Vasos



Hand Sockets 3/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

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DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

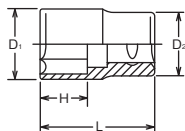
6400M • 6400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

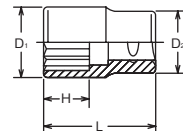


6400M 6405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	22.1	34	11	50	160	10
16	24.6	34	12	50	167	10
17	26	34	12.5	50	175	5
18	27	34	13	50	178	5
19	28.5	34	13.5	50	179	5
20	29.5	34	14	50	185	5
21	31	34	14.5	50	185	5
22	32	34	15	50	187	5
23	33.5	34	16	50	187	5
24	34.5	34	17	50	200	5
25	36	34	17.5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

6405M • 6405A



12-point Sockets
Vasos Bihexagonales

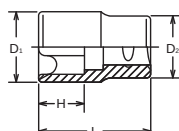


6400A 6405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/8	24.6	34	12	50	168	10
11/16	27	34	13	50	178	5
3/4	28.5	34	13.5	50	179	5
25/32	29.5	34	14	50	185	5
13/16	31	34	14.5	50	185	5
7/8	32	34	15	50	187	5
15/16	34.5	34	17	50	200	5
31/32	36	34	17.5	50	217	5
1	37	34	18	50	222	5
1. 1/16	38.5	37	19	53	254	5
1. 1/8	41	38	20	53	292	5
1. 3/16	42	38	21	55	301	5
1. 1/4	44.5	40	23	57	351	5
1. 5/16	46	40	23.5	57	384	5
1. 3/8	48.5	42	24.5	57	422	5
1. 7/16	51	42	25.5	59	484	5
1. 1/2	52	45	26	59	523	5
1. 9/16	54.5	45	27	59	550	5
1. 5/8	56	47	28	62	633	5
1.11/16	58.5	47	29	62	659	2
1. 3/4	59.5	47	29.5	62	657	2
1.13/16	62	47	31	68	791	2
1. 7/8	64.5	45	32	68	892	2
1.15/16	66	48	32.5	68	870	2
2	68.5	52	34.5	68	949	2
2. 1/16	71	54	33	72	983	2
2. 1/8	72	55	33	72	1040	2
2. 3/16	74.5	53	36	72	1092	2
2. 1/4	76	53	36	72	1169	2
2. 5/16	78.5	53	36	72	1344	2
2. 3/8	79.5	58	39	76	1402	2
2. 7/16	82	58	39	76	1420	2
2. 1/2	84.5	58	39	76	1497	2
2. 9/16	86	63	42	80	1608	2
2. 5/8	88.5	63	42	80	1709	2
2.11/16	89.5	63	42	80	1634	2
2. 3/4	92	68	45	84	1785	2
2.13/16	94.5	68	45	84	2018	2
2. 7/8	96	68	45	84	2062	2
2.15/16	98.5	73	48	86	2186	1
3	101	73	48	86	2309	1
3. 1/8	104.5	78	52	90	2475	1

6425

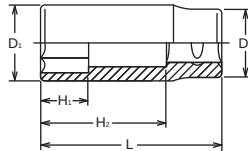


TORX® Sockets
Vasos TORX®



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

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



6300M 6305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17	26	34	18	64	90	278	5
18	27	34	19	64	90	281	5
19	28.5	34	20	64	90	292	5
20	29.5	34	21	64	90	334	5
21	31	34	22	64	90	343	5
22	32	34	23	64	90	347	5
23	33.5	34	24	64	90	361	5
24	34.5	34	25	64	90	352	5
25	36	34	26	64	90	369	5
26	37	34	27	64	90	384	5
27	38.5	37	28	64	90	425	5
28	39.5	38	29	63	90	470	5
29	41	38	30	63	90	503	5
30	42	38	31	63	90	503	5
31	43.5	38	32	62	90	517	5
32	44.5	40	34	62	90	544	5
33	46	40	34	62	90	557	5
34	47	40	35	61	90	570	5
35	48.5	42	36	61	90	622	5
36	49.5	42	37	61	90	631	2
38	52	45	39	60	90	710	2
40	54.5	45	41	60	90	742	2
41	56	47	42	59	90	802	2
42	57	47	43	59	90	829	2
44	59.5	47	45	59	90	838	2
46	62	47	47	58	90	906	2
48	64.5	50	49	57	90	998	2
50	67	48	51	57	90	1005	2
52	69.5	53	49	—	100	1270	2
53	71	54	49	—	100	1338	2
54	72	55	49	—	100	1351	2
55	73.5	53	52	—	100	1388	2
56	74.5	53	52	—	100	1389	2
57	76	53	52	—	100	1467	2
58	77	53	52	—	100	1480	2
60	79.5	58	55	—	100	1626	2
63	83.5	58	55	—	100	1740	2
65	86	63	65	—	100	1939	2

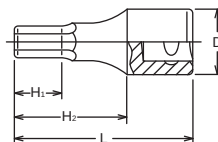
6305M • 6305A 12-point Deep Sockets Vasos Bihexagonales Largos



6300A 6305A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3/4	28.5	34	20	64	90	292	5
25/32	29.5	34	21	64	90	334	5
13/16	31	34	22	64	90	343	5
7/8	32	34	23	64	90	347	5
15/16	34.5	34	25	64	90	352	5
1	37	34	27	64	90	384	5
1. 1/16	38.5	37	28	64	90	425	5
1. 1/8	41	38	30	63	90	503	5
1. 3/16	42	38	31	63	90	503	5
1. 1/4	44.5	40	34	62	90	544	5
1. 5/16	46	40	34	62	90	557	5
1. 3/8	48.5	42	36	61	90	622	5
1. 7/16	51	42	38	61	90	656	2
1. 1/2	52	45	39	60	90	710	2
1. 9/16	54.5	45	41	60	90	742	2
1. 5/8	56	47	42	59	90	802	2
1.11/16	58.5	47	44	59	90	831	2
1. 3/4	59.5	47	45	59	90	838	2
1.13/16	62	47	47	58	90	906	2
2	68.5	52	52	57	90	1061	2
2. 1/16	71	54	49	—	100	1338	2
2. 1/8	72	55	49	—	100	1351	2
2. 3/16	74.5	53	52	—	100	1389	2
2. 1/4	76	53	52	—	100	1467	2
2. 5/16	78.5	53	52	—	100	1787	2
2. 3/8	79.5	58	55	—	100	1626	2
2. 7/16	82	58	55	—	100	1715	2

6012M.75 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
12	35	15.5	40	75	253	10
14	35	15.5	40	75	265	10
15	35	15.5	40	75	271	10
16	35	15.5	40	75	285	10
17	35	15.5	40	75	292	10
18	35	15.5	40	75	302	10
19	35	15.5	40	75	312	10
20	35	15.5	40	75	323	10
21	38	15.5	40	75	330	10
22	38	22.5	40	75	340	10
24	38	22.5	40	75	362	10
27	38	22.5	40	75	402	10
30	38	28.5	40	75	445	10
32	38	28.5	40	75	485	10
36	42	28.5	40	75	663	10

6012M-75 Inhex Sockets Vasos con Punta Hexagonal



Hand Sockets **3/4"**

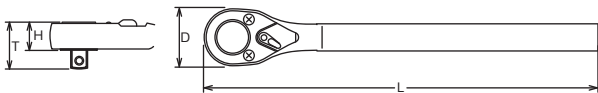
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
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INDUSTRIALES
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CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **6749RK** → **P306**



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



⚠ 6749-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

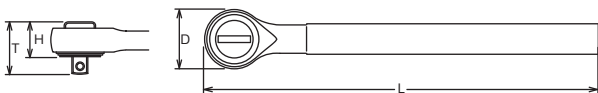


6752
6752-HEAD
PIPE-400

Reversible Ratchet
Llave de Carraca Reversible



* Renewal Kits → **6752RK** → **P307**



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



6755 Ratchet Adaptor
Adaptador de carraca



60

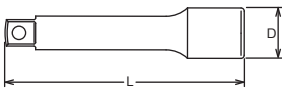
* Renewal Kits → 6755RK → P307

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

6760 Extension Bars
Alargaderas



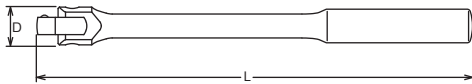
6760	D (mm)	L (mm)	(g)	(pcs.)
75	35	75	335	5
100	35	100	434	2
125	35	125	528	2
150	35	150	624	2
200	35	200	815	1
300	35	300	1203	1
400	35	400	1585	1



Hand Sockets **3/4"**

Z-SERIES
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INDUSTRIALES
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CONSTRUCTION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

6768 Hinge Handle
Mango Articulado



* Renewal Kits → **6768RK** → **P309**

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

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

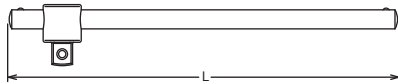
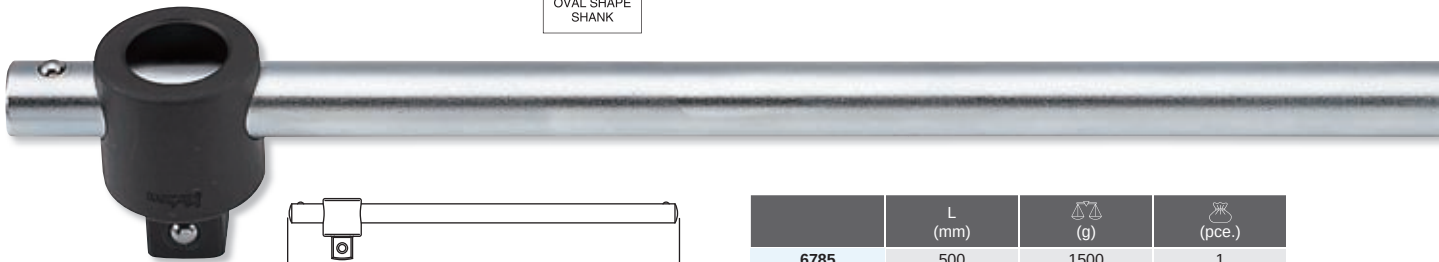


* Renewal Kits → **6768RK** → **P309**

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

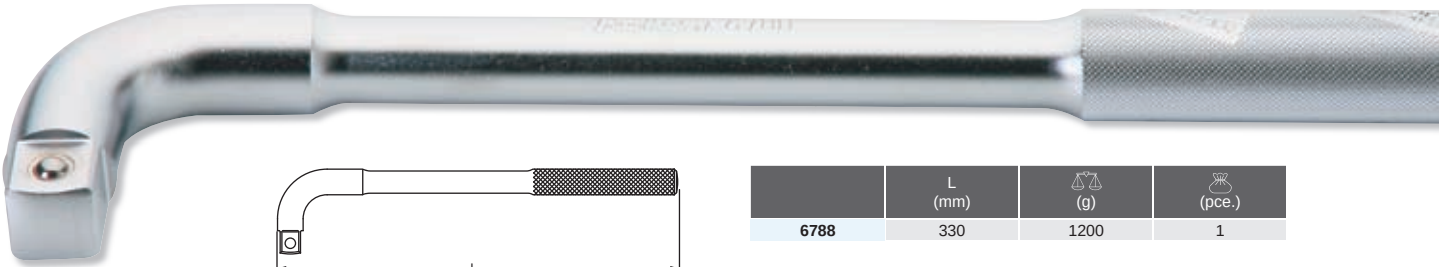
 6768-600/-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

6785 T-Handle
Mango Corredizo



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

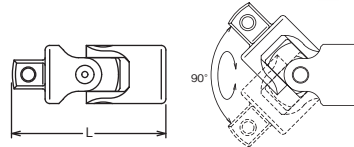
6788 L-Handle
Mango Acodado



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

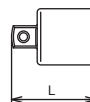
3/4" Hand Sockets

6770 Universal Joint
Articulación Universal

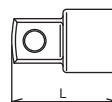


	L (mm)	(g)	(pcs.)
6770	105	500	2

6644A Adaptor Warranty 668Nm
Adaptador Garantía 668Nm ⚠



6688A Adaptor
Adaptador



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

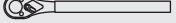
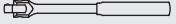
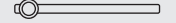
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

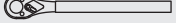
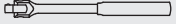
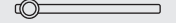
La adaptación de mayor a menor de un cuadrado conductor puede conducir a un par excesivo que puede causar roturas.

Hand Sockets **3/4"**

6201M • 6201A Socket Sets
Juegos de Vasos

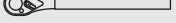
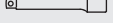
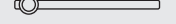


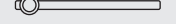
6201M		16 Pieces Set/△=17,300g
METAL CASE:W580×H200×T85mm		
Sockets	Accessories	
 6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50, 55, 60	 6749	
	 6760-200	
	 6760-400	
	 6768	
	 6785	

6201A		18 Pieces Set/△=17,600g
METAL CASE:W580×H200×T85mm		
Sockets	Accessories	
 6405A 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.7/16, 1.1/2, 1.5/8, 1.11/16, 1.13/16, 1.7/8, 2	 6749	
	 6760-200	
	 6760-400	
	 6768	
	 6785	

6212M • 6212A Socket Sets
Juegos de Vasos



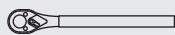
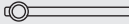
6212M		12 Pieces Set/△=11,000g
METAL CASE:W580×H124×T70mm		
Sockets	Accessories	
 6405M 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50	 6749	
	 6760-200	
	 6785	

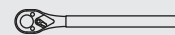
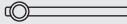
6212A		12 Pieces Set/△=11,000g
METAL CASE:W580×H124×T70mm		
Sockets	Accessories	
 6405A 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.3/16, 1.1/4, 1.7/16, 1.5/8, 1.13/16, 2	 6749	
	 6760-200	
	 6785	

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

6260M • 6260A Socket Sets
Juegos de Vasos

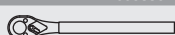


6260M 20 Pieces Set/ΔΔ=15,800g	
METAL CASE:W580×H200×T85mm	
Sockets	Accessories
 6405M 12-pt. Sockets 21, 23, 26, 29, 31, 32, 34, 35, 36, 38, 41, 46, 50	 6749
 6101 Drag Link Socket	 6760-75
	 6760-200
	 6760-400
	 6770
	 6785

6260A 25 Pieces Set/ΔΔ=19,000g	
METAL CASE:W580×H200×T85mm	
Sockets	Accessories
 6405A 12-pt. Sockets 15/16, 31/32, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2, 1.9/16, 1.5/8, 1.11/16, 1.3/4, 1.13/16, 1.7/8, 2	 6749
 6101 Drag Link Socket	 6760-75
	 6760-200
	 6760-400
	 6770
	 6785

6268M Socket Sets
Juegos de Vasos



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

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

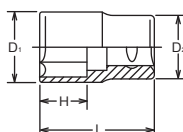
8400M • 8400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

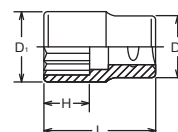


8400M 8405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)
24	36.5	44	17	60	348	1
27	40.5	44	19	60	362	1
28	41.5	44	19.5	60	368	1
29	43	44	20	60	378	1
30	44	45	21	65	410	1
32	46.5	45	23	65	455	1
33	48	46	23.5	65	485	1
34	49	46	24	65	500	1
35	50.5	48	24.5	65	536	1
36	51.5	48	25	65	600	1
38	54	50	26	65	624	1
39	55.5	50	26.5	65	650	1
40	56.5	53	27	65	686	1
41	58	53	28	68	747	1
42	59	53	28.5	68	789	1
43	60.5	53	29	68	810	1
45	63	53	30	68	844	1
46	64	53	31	72	928	1
47	65.5	53	31.5	72	942	1
48	66.5	53	32	72	960	1
50	69	53	34	72	943	1
52	71.5	53	38	72	987	1
54	74	55	37	72	1016	1
55	75.5	53	42	77	1167	1
56	76.5	53	42	77	1160	1
58	79	53	41	77	1200	1
60	81.5	58	46	82	1440	1
62	84	58	46	82	1510	1
63	85.5	58	45	82	1470	1
64	86.5	58	46	82	1540	1
65	88	63	49	86	1683	1
67	90.5	63	49	86	1840	1
68	91.5	63	49	86	1800	1
70	94	68	50	88	1963	1
71	95.5	68	50	88	2200	1
72	96.5	68	51	88	2250	1
75	100.5	73	53	90	2204	1
78	104	75	52.5	90	2500	1
80	106.5	75	58	95	2550	1
83	110.5	78	57	95	2730	1
85	113	80	57	95	2680	1
90	119	80	59	100	3420	1
95	125.5	85	58	100	4900	1
100	131.5	85	57	100	4840	1

8405M • 8405A



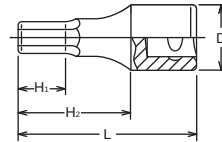
12-point Sockets
Vasos Bihexagonales



8400A 8405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)
15/16	36.5	44	17	60	355	1
1. 3/16	44	45	21	65	410	1
1. 1/4	46.5	45	23	65	455	1
1. 5/16	48	46	23.5	65	485	1
1. 3/8	50.5	48	24.5	65	536	1
1. 7/16	53	50	25.5	65	607	1
1. 1/2	54	50	26	65	624	1
1. 9/16	56.5	53	27	65	686	1
1. 5/8	58	53	28	68	747	1
1.11/16	60.5	53	29	68	830	1
1. 3/4	61.5	53	29.5	68	807	1
1.13/16	64	53	31	72	928	1
1. 7/8	66.5	53	32	72	936	1
1.15/16	68	53	32.5	72	941	1
2	70.5	53	37	72	976	1
2. 1/16	73	54	37	72	1027	1
2. 1/8	74	55	37	72	1016	1
2. 3/16	76.5	53	41	77	1192	1
2. 1/4	78	53	41	77	1177	1
2. 5/16	80.5	53	41	77	1292	1
2. 3/8	81.5	58	46	82	1440	1
2. 7/16	84	58	45	82	1495	1
2. 1/2	86.5	58	45	82	1497	1
2. 9/16	88	63	49	86	1683	1
2. 5/8	90.5	63	49	86	1840	1
2.11/16	91.5	63	49	86	1800	1
2. 3/4	94	68	50	88	1963	1
2.13/16	96.5	68	50	88	2035	1
2. 7/8	98	70	50	88	2100	1
2.15/16	100.5	73	53	90	2204	1
3	103	75	53	90	2406	1
3. 1/8	106.5	75	58	95	2550	1
3. 1/4	110.5	78	57	95	2730	1
3. 3/8	114	80	57	95	3050	1
3. 1/2	119	80	59	100	3420	1
3. 3/4	125.5	85	58	100	4900	1

8012M-80 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17	44.2	15.5	45	80	400	5
19	44.2	15.5	45	80	410	5
22	47.9	22.5	45	80	436	5
24	47.9	22.5	45	80	471	5
27	47.9	22.5	45	80	526	5
30	47.9	22.5	45	80	658	5
32	47.9	22.5	45	80	715	5
36	54.2	22.5	45	80	945	5

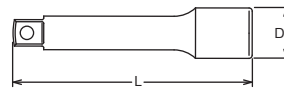
8012M-80 Inhex Sockets Vasos con Punta de Hexagonal



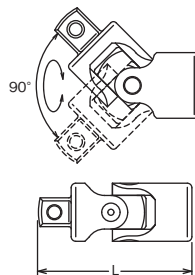
8760 Extension Bars Alargaderas



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



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



8770 Universal Joint Articulación Universal

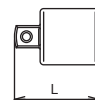


	(mm)	(mm)	L (mm)	(g)	(pcs.)
8866A	1"	3/4"	60	338	5

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

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

8866A Adaptor Warranty 1850Nm Adaptador Garantía 1850Nm



8749 Reversible Ratchet
Llave de Carraca Reversible

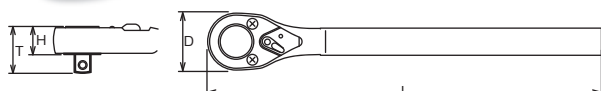
8749-1000 ⚠

8749-HEAD

PIPE-580 • -800



RATCHET
HANDLE



* Renewal Kits → **8749RK** → P306

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

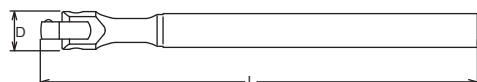
⚠ 8749-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

8768 Hinge Handle
Mango Articulado

8768-1000 ⚠

8768-HEAD

PIPE-400 • -800



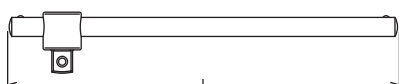
* Renewal Kits → **8768RK** → P309

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

⚠ 8768-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

8785 T-Handle
Mango Corredizo

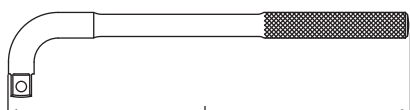
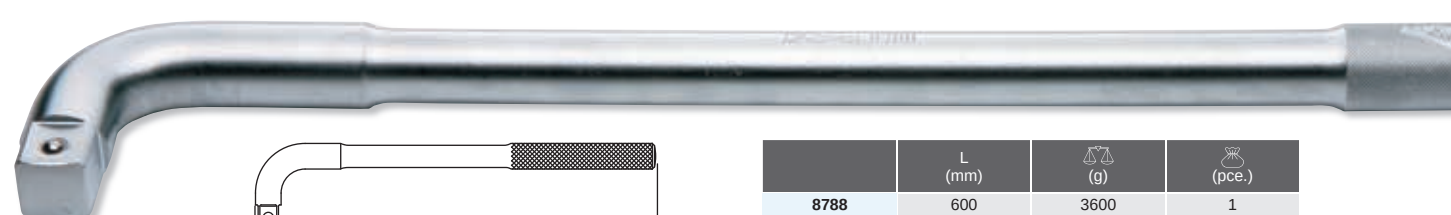
8785-700 ⚠



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

⚠ 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	SCREWDRIVERS DESTORNILLADORES	IMPACT DE IMPACTO	SLEEVE-DRIVE	INDUSTRIAL INDUSTRIALES	PROTECTOR PROTECTORES	AUTOMOTIVE	CONSTRUCTION CONSTRUCCION	RENEWAL KITS JUEGOS DE PIEZAS REPUESTO
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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

8200M • 8200A Socket Sets
Juegos de Vasos



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

8200A 12 Pieces Set/12=18,600g	
METAL CASE:W600×H150×T110mm	
Sockets	Accessories
 8405A 12-pt. Sockets 1.7/16, 1.1/2, 1.5/8, 1.13/16, 2, 2.1/8, 2.1/4, 2.1/2	 8760-200
	 8760-400
	 8770
	 8785

8225M Socket Set
Juego de Vasos



8225M 15 Pieces Set/15=27,000g	
METAL CASE:W620×H217×T97mm	
Sockets	Accessories
 8405M 12-pt. Sockets 32, 33, 36, 41, 46, 50, 55, 60, 65, 70, 75, 80	 8749
	 8760-200
	 8760-400

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

Titanium Sockets



TI4261M Socket Set Titanium
Juego de Vasos de Titanio



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

Characteristic of Titanium

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

Características del Titanio

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

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

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



Accessories

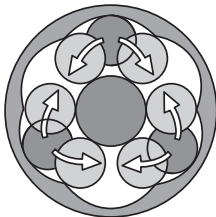
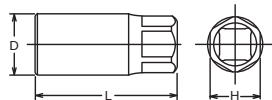


4100M • 4100A

Stud Pullers
Extractores de Tornillos



STUD BOLT
PULLER



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

Extractores de Espárragos
El diseño hexagonal del cuerpo evita cargas excesivas en las celdas y rodillos internos del extractor.

4211M • 4211A

Stud Pullers Sets
Juegos de Extractores de Espárragos



4214M

Stud Pullers Set
Juegos de Extractores de Espárragos



4100M (mm)		D (mm)	L (mm)	H (mm)	(g)	(pcs.)
5	1/2"	24	65	21	145	10
6		24	65	21	150	10
7		24	65	21	150	10
8		24	65	21	147	10
9		28	75	21	217	10
10		28	75	21	213	10
10.5		28	75	21	202	10
11		28	75	21	218	10
12		28	75	21	220	10
14		34	75	27	340	5
16	-⚠	34	75	27	315	5

4100A (inch)		D (mm)	L (mm)	H (mm)	(g)	(pcs.)
1/4	1/2"	24	65	21	150	10
5/16		24	65	21	147	10
3/8		28	75	21	213	10
7/16		28	75	21	218	10
1/2		28	75	21	191	10
9/16		34	75	27	340	5
5/8	-⚠	34	75	27	315	5

* Renewal Kits → 4100MRK/4100ARK → P309

⚠ 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 - 6.4
6	5.6- 6	5/16	7.6- 8
7	6.6- 7	3/8	9 - 9.6
8	7.6- 8	7/16	10.5-11.1
9	8.4- 9	1/2	12.1-12.7
10	9.4-10	9/16	13.5-14.3
10.5	9.9-10.5	5/8	15.2-16
11	10.4-11		
12	11.4-12		
14	13.2-14		
16	15.2-16		

4211M	4 Pieces Set/△=1,040g
METAL CASE:W215×H80×T47mm	
PULLER	
4100M Stud Pullers	
6, 8, 10, 12	

4211A	4 Pieces Set/△=1,040g
METAL CASE:W215×H80×T47mm	
PULLER	
4100A Stud Pullers	
1/4, 5/16, 3/8, 1/2	

4214M	5 Pieces Set/△=1,450g
METAL CASE:W215×H80×T47mm	
PULLER	
4100M Stud Pullers	
6, 8, 10, 12, 14	

6100M (mm)		D (mm)	L (mm)	H (mm)	(g)	(pcs.)
18	3/4"	48	100	36	840	1
20		48	100	36	816	1
22		48	100	36	745	1
24		48	100	36	739	1
27		63	125	46	1707	1
28		63	125	46	1701	1
29		63	125	46	1696	1
30		63	125	46	1691	1

* Renewal Kits → **6100MRK** → **P309**

6100M-22 to -30 do not have 3/4" square drive.
Drive the outer hexagon part with sockets or ring wrenches
(size 22-24mm = 36H, 27-30mm = 46H).
6100M-22-30 no tienen conductores cuadrados de 3/4"
Apertar la parte hexagonal exterior con vasos o llaves de tuerca
(medidas 22-24mm = 36H, 27-30mm = 46H)

Tolerance/Tolerancia

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

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

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

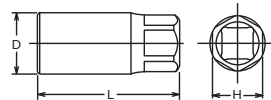
*1 C-Ring=C41, Pin/O-Ring=A41/B41

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

Tolerance/Tolerancia

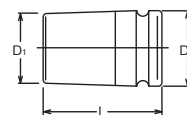
14100M (mm)		14100A (inch)	
6	5.6- 6	1/4	6 - 6.4
7	6.6- 7	5/16	7.6- 8
8	7.6- 8	3/8	9 - 9.6
9	8.4- 9	7/16	10.5-11.1
10	9.4-10	1/2	12.1-12.7
12	11.4-12		

6100M Stud Pullers Extractores de Espárragos



14100M • 14100A

Impact Stud Pullers
Extractores de Espárragos de Impacto



Stud Puller & Setter

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

141S Stud Puller Ratchets
Extractores de Espárragos de Carraca



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

141 Stud Puller Ratchets
Extractores de Espárragos de Carraca

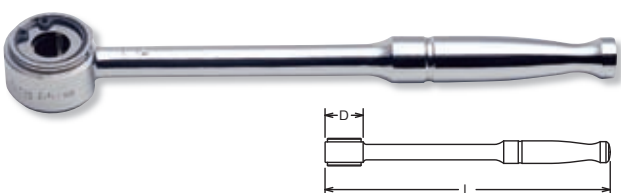


141S (inch)	D (mm)	L (mm)	(g)	(pce.)
5/16	28	120	150	1
3/8	32	120	153	1
1/2	32	120	152	1

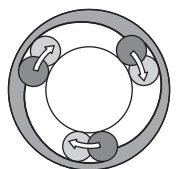
141 (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	205	215	1
8	28	205	215	1
10	32	205	234	1
12	32	205	233	1

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

141P Stud Puller Ratchets
Extractores de Espárragos de Carraca



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



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



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



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

4104 Stud Puller
Extractor de Espárragos



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

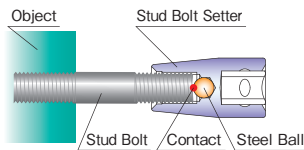
4103M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
6(1.0)	1/2"	10.3	22	9	37	54	10
7(1.0)		11.5	22	10	37	58	10
8(1.25)		13.2	22	11	37	60	10
10(1.25)		15.3	23	13	44	86	10
10(1.5)		15.3	23	13	44	86	10
12(1.25)		17.8	23	14	44	86	10
12(1.75)		17.8	23	14	44	86	10

⚠ 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.



STUD BOLT SETTER

4203M	4 Pieces Set/⚖=530g
METAL CASE:W130×H65×T26mm	
Stud Bolt Setter	
4103M Stud Bolt Setters	
6(1.0), 8(1.25), 10(1.5), 12(1.75)	
4203MF	4 Pieces Set/⚖=530g
METAL CASE:W130×H65×T26mm	
Stud Bolt Setter	
4103M Stud Bolt Setters	
6(1.0), 8(1.25), 10(1.25), 12(1.25)	



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

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

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

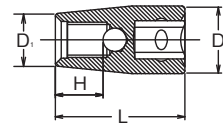
⚠ Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

14103M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6(1.0)	1/2"	12	25	11	42	75	10	*1
7(1.0)		13.2	25	12	42	78	10	*1
8(1.25)		14.5	25	15	42	81	10	*1
10(1.25)		17	25	18	49	106	10	*1
10(1.5)		17	25	18	49	106	10	*1
12(1.25)		19.5	25	19	49	107	10	*1
12(1.75)		19.5	25	19	49	107	10	*1
14(1.5)	1/2"	22	25	21	55	128	10	*1
14(2.0)		22	25	21	55	128	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → 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.

4103M Stud Bolt Setters Vasos para apretar pernos ⚠

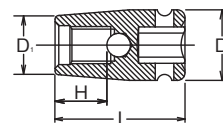


4203M Stud Bolt Setters Set Juego de Vasos para apretar Pernos ⚠

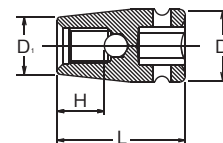
4203MF



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



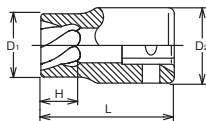
14103M Impact Stud Bolt Setters Vasos para apretar Pernos de Impacto ⚠



2127



NUTTWISTER®
AFLOJA TUERCAS



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

RS2127/6



Socket Set on Rail
Juego de Vasos en Regleta



RS2127/6

6 Pieces Set/Rail 150mm



(g)

4, 4.5, 5, 5.5, 6, 7

105

RS2127/10



Socket Set on Rail
Juego de Vasos en Regleta



RS2127/10

10 Pieces Set/Rail 150mm



(g)

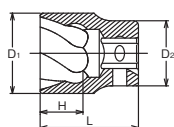
4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5, 10

180

3127



NUTTWISTER®
AFLOJA TUERCAS



3127 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	11.5	19	8	32	40	10
9		13	19	8	32	40	10
9.5		13.8	19	8	32	41	10
10		14.8	19	10	32	41	10
11		16	19	10	32	43	10
12		17	19	12	32	44	10
13		18.5	19	12	32	46	10
14		19.7	19	14	32	48	10
15		20.7	19	14	32	52	10
16		22.2	22	14	32	66	10
17		23.5	22	16	35	80	10
19		26	22	16	35	92	10

RS3127/8



Socket Set on Rail
Juego de Vasos en Regleta



RS3127/8

8 Pieces Set/Rail 200mm



(g)

8, 9, 10, 11, 12, 13, 14, 16

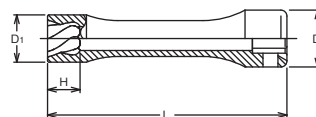
420

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

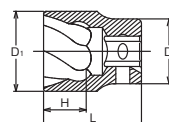
4127 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	1/2"	19.7	30	14	42	125	5
17		23.5	30	16	42	137	5
19		26	30	16	42	146	5
21		28	30	17	42	153	5
22		29.5	30	17	42	158	5
24		32	30	18	42	174	5
25.4		33.5	30	18	42	183	5

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

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



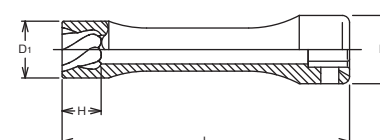
4127 NUTTWISTER® AFLOJA TUERCAS



RS4127/6 NUTTWISTER® Juego de Vasos en Regleta



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



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

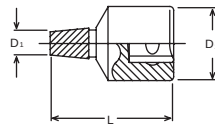
⚠ A very effective method and easy solution for removing rounded off nuts, bolts and studs. The sharp edges of the NUTTWISTER® Socket opening will tighten around the nut, bolt or stud and turn it easily off.

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



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

3129-32 BOLTTWISTER®
AFLOJA PERNOS



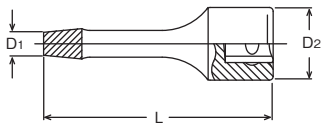
3129.32 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	32	32	10
3		3	19	32	33	10
4		4	19	32	33	10
6		6	19	32	35	10
8		8	19	32	37	10
10		10	19	32	40	10

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



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

3129-60 BOLTTWISTER®
AFLOJA PERNOS

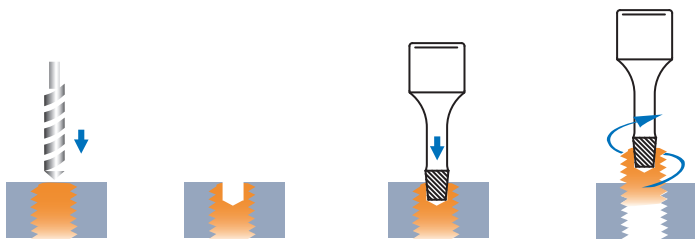


3129.60 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	60	38	10
3		3	19	60	42	10
4		4	19	60	44	10
6		6	19	60	47	10
8		8	19	60	53	10
10		10	19	60	64	10

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



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



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

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

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

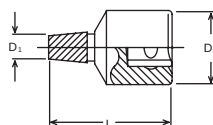
4129.37 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
8		8	24	37	59	10
10		10	24	37	63	10
12		12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10

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

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

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

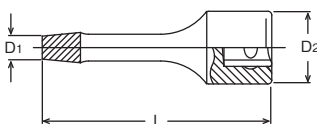
4129-37 BOLTTWISTER® AFLOJA PERNOS



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



4129-75 BOLTTWISTER® AFLOJA PERNOS

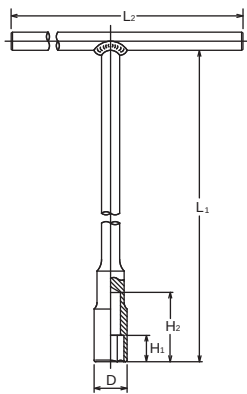


RS4129/5-L75 Socket Set on Rail Juego de Vasos en Regleta



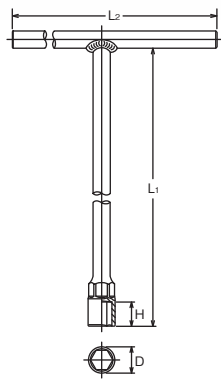
T-Type Wrench

156M 6-point Deep Hexagonal Larga



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

104M • 104A 6-point Hexagonal



104M (mm)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
6	9.5	8	200	180	150	1
7	11	9	200	180	152	1
8	12	10	250	200	183	1
9	14	12	250	200	188	1
10	14	13	250	200	230	1
11	16	14	250	200	234	1
12	18	15	250	250	384	1
13	18.5	17	300	250	412	1
14	20	18	300	250	428	1
15	21	19	300	250	443	1
16	22.5	21	350	300	528	1
17	24	22	350	300	707	1
18	25	23	350	300	707	1
19	26.5	25	350	300	717	1
21	29	27	350	300	1070	1
22	30	28	350	300	1062	1
24	33	30	350	300	1140	1

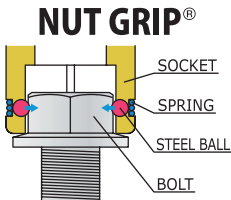
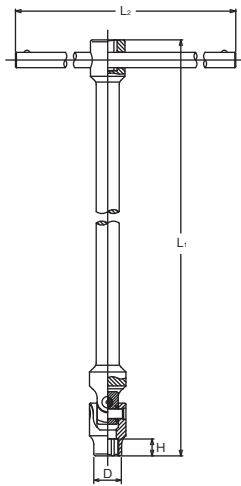
104A (inch)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
1/4	9.5	8	200	180	150	1
5/16	12	10	250	200	183	1
3/8	14	12	250	200	188	1
7/16	16	14	250	200	234	1
1/2	18.5	17	300	250	412	1
9/16	20	18	300	250	428	1
5/8	22.5	21	350	300	528	1
3/4	26.5	25	350	300	717	1

3116M  Universal with 6-point Socket
Con articulación universal con Vaso Hexagonal

124M-600 (2B)  Ball Joint plus Nut Grip Socket
Con articulación de rótula y Vaso Sujeta Tuerca

3116M (mm)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
10	14.5	8	800	190	796	1
12	17	10.3	800	190	797	1
13	18	11.3	800	190	797	1
14	19.5	11.3	800	190	797	1
15	21	12.8	800	190	799	1
16	22	12.8	800	190	806	1
17	23.6	13.8	800	190	801	1
18	24	13.8	800	190	809	1

124M.600 (mm)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
8(2B)	12	5	600	200	332	1
10(2B)	14.5	6	600	200	334	1
12(2B)	16.8	7	600	200	424	1
13(2B)	18	8	600	200	425	1
14(2B)	19.5	8.5	600	200	527	1
17(2B)	23.3	9.5	600	200	538	1



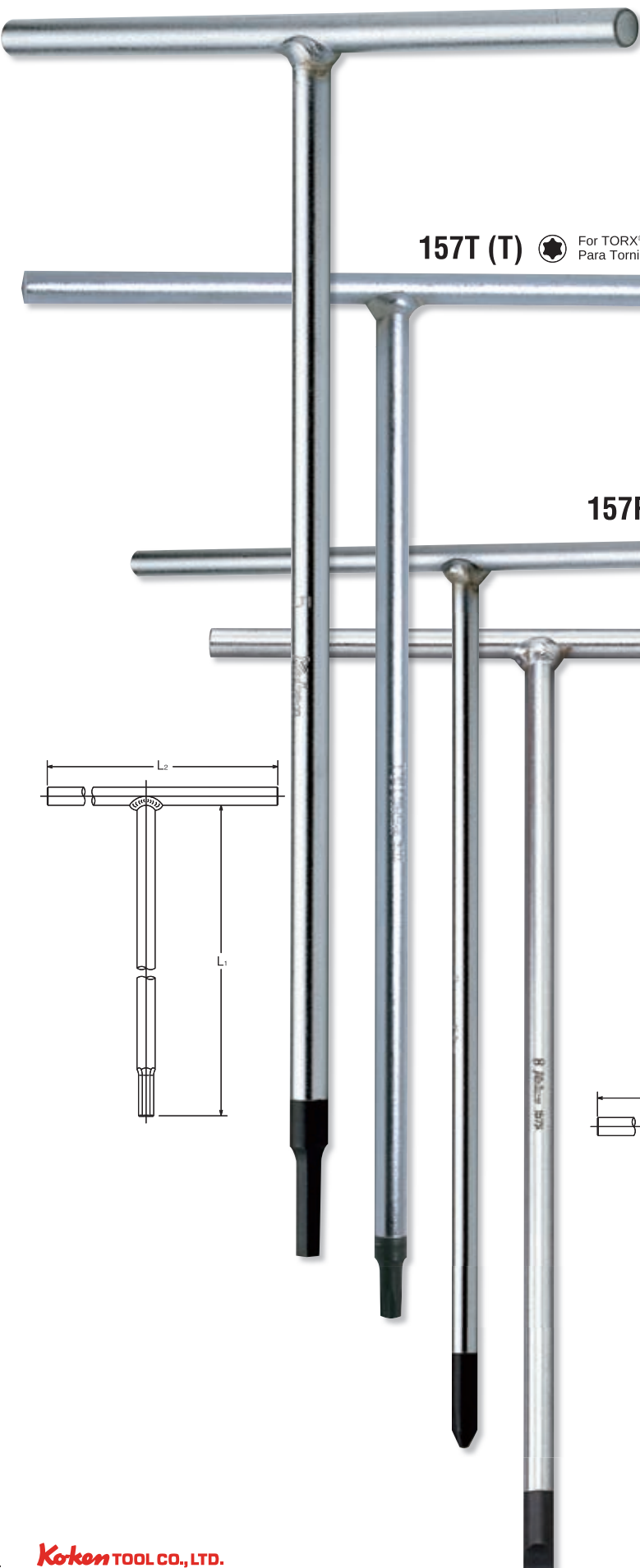
Twin balls at the 6-point opening hold bolt-nut tightly for safe and reliable work.
Las dos bolas de la boca Hexagonal sujetan el perno-tuerca permitiendo un trabajo seguro y fiable.

T-Type Wrench

157H



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

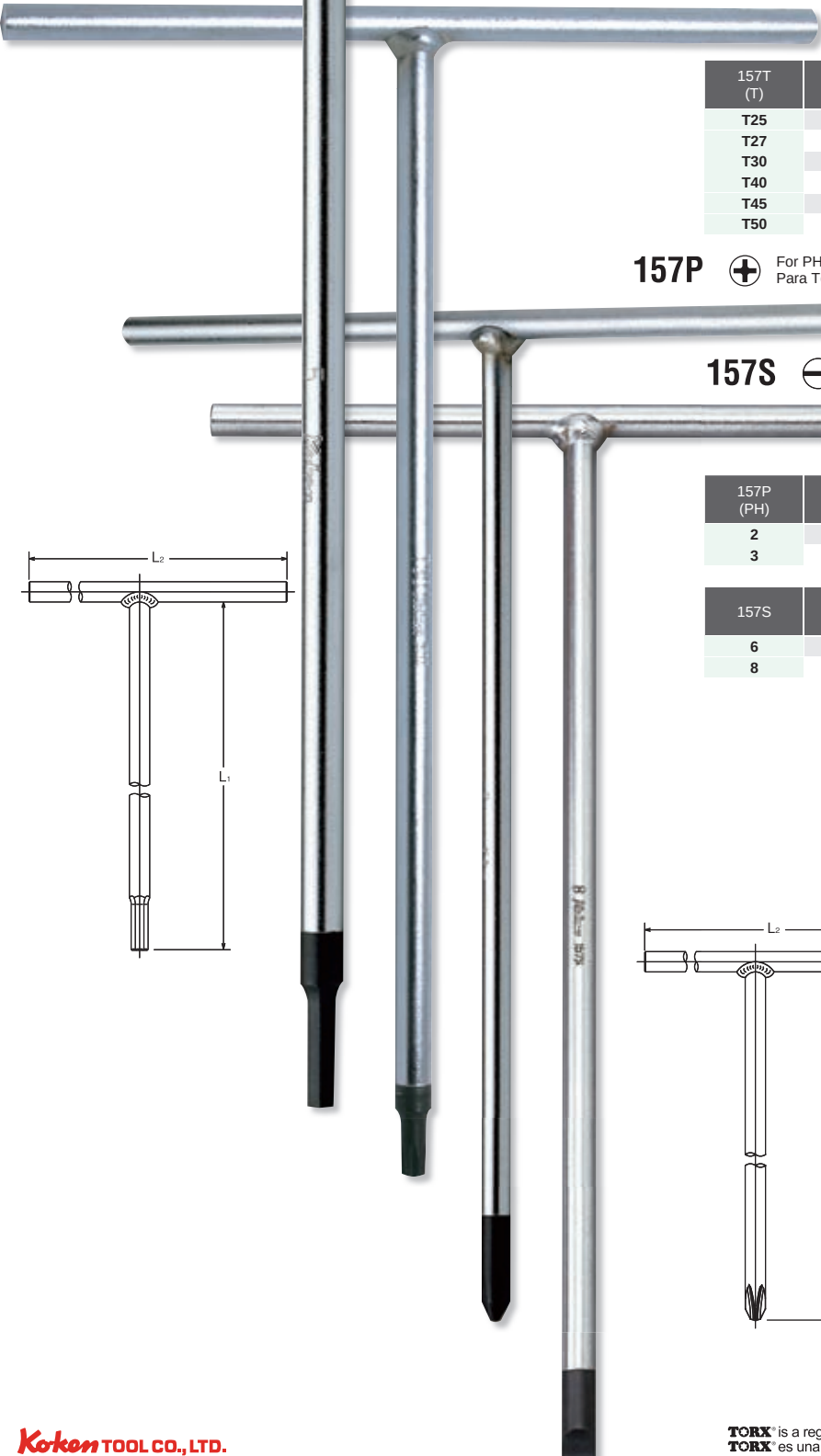


157H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
3	160	100	57	1
4	200	120	70	1
5	250	160	90	1
6	300	190	147	1
7	300	190	193	1
8	300	190	245	1
10	300	190	433	1
12	320	210	662	1
14	340	220	879	1
17	340	220	1369	1

157T (T)



For TORX® Screws
Para Tornillos TORX®



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

157P



For PH Screws
Para Tornillos PH



157S

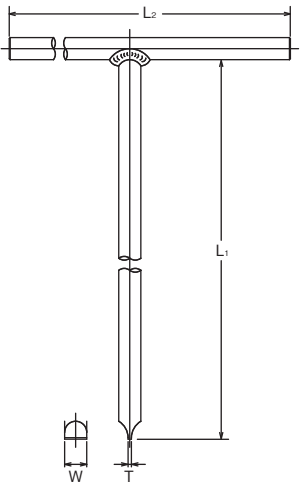
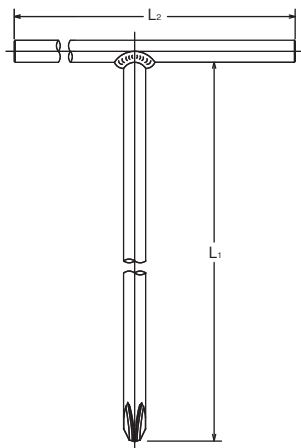
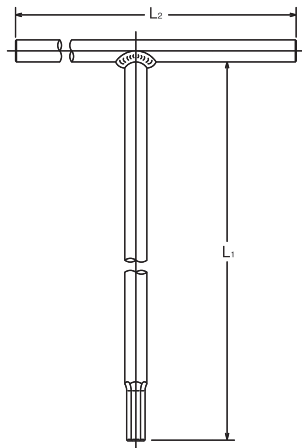


For Slotted Heads
Para Cabezas Ranuradas



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

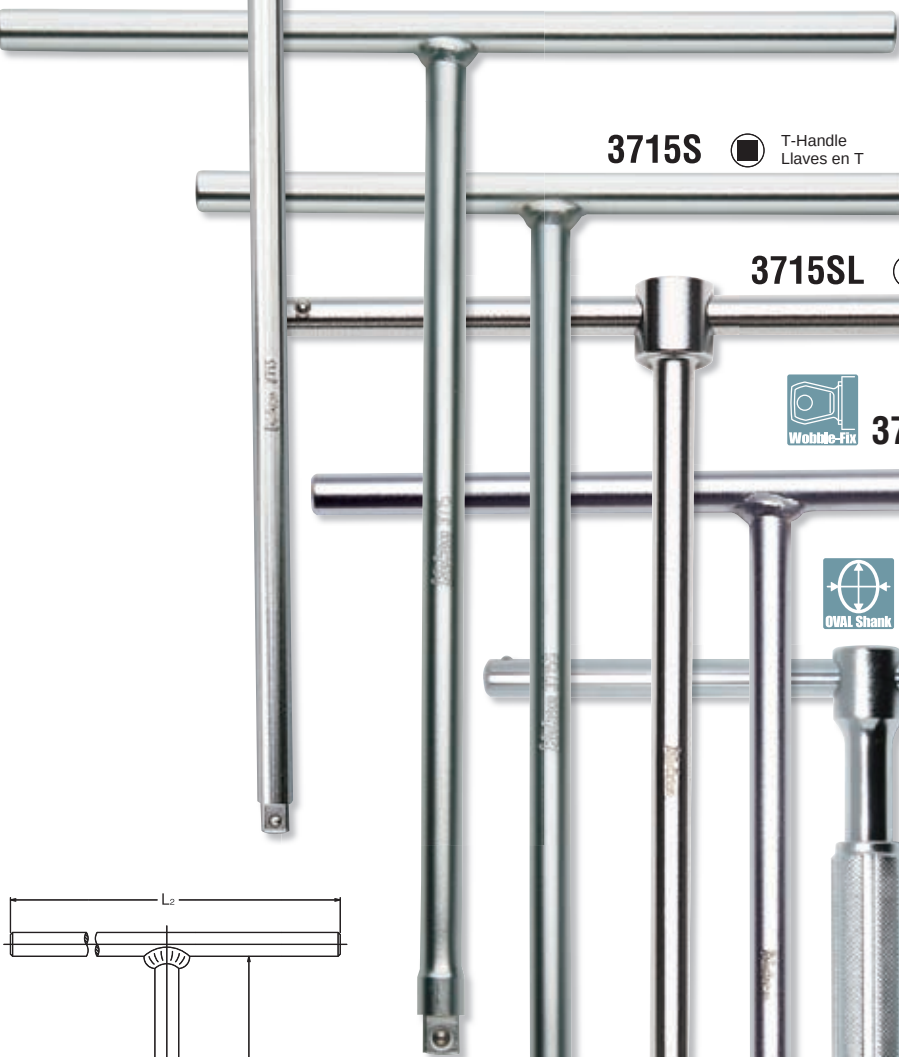
157S	T×W	L ₁ (mm)	L ₂ (mm)	(g)	(pce.)
6	1.0×6	200	180	84	1
8	1.2×8	250	180	170	1



2715 T-Handle
Llaves en T



3715 T-Handle
Llaves en T



3715S T-Handle
Llaves en T



3715SL T-Handle
Llaves en T



3716 T-Handle
Llaves en T



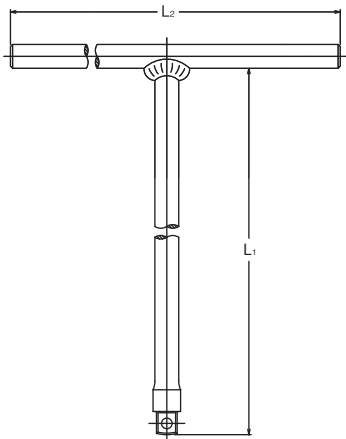
WOBBLE-FIX
EXTENSION BAR



3715SLK T-Handle
Llaves en T



OVAL SHAPE
SHANK



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

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

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



Photo: 3715SLK



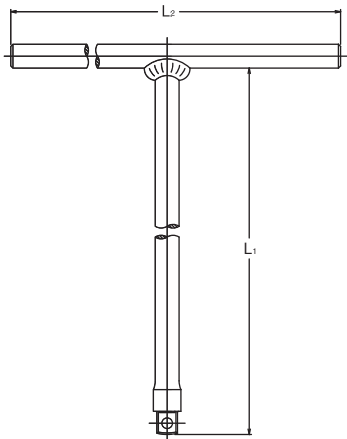
T-Type Wrench

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

4715  T-Handle
Llaves en T

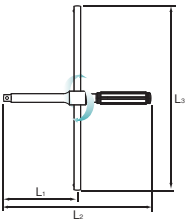
4715S  T-Handle
Llaves en T

4715SL  T-Handle
Llaves en T



		L ₁ (mm)	L ₂ (mm)	 (g)	 (pce.)
4715		267	255	475	1
4715S		267	170	402	1
4715SL		250	250	640	1

4711X  Spinning Cross Wrench



FREE-TURN
CROSS WRENCH



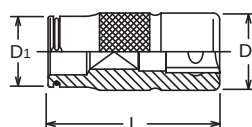
		L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	 (g)	 (pce.)
4711X		140	280	350	945	1

3131E		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
□2.1× ϕ 2.8	3/8"	6.8	18	40	45	10
□2.7× ϕ 3.5		8	18	40	46	10
□3.4× ϕ 4.5		9.5	18	40	47	10
□4.9× ϕ 6		11.5	18	40	48	10
□5.5× ϕ 7		12.5	18	40	49	10
□7× ϕ 9		15	18	40	48	10
□9× ϕ 11		17	18	40	48	10
□9× ϕ 12		18	18	40	48	10

For DIN352, DIN351, DIN2181, DIN5157 tap



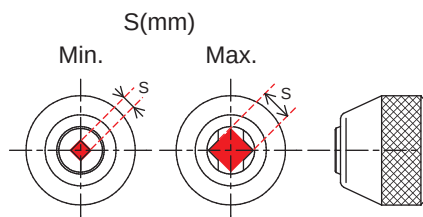
3131E Tap Holder Adaptadores para machos de terrajas



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

3131A		S(mm)		L (mm)	(g)	(pcs.)
		Min.	Max.			
1	3/8"	2.0	5.0	42	80	5
2		4.5	8.0	47	100	5

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



Tap is not included.

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

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



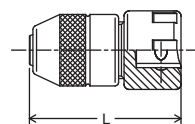
Die is not included.

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

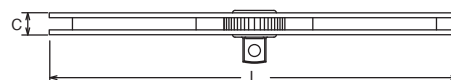


3131A Tap Holder, Adjustable Adaptadores para machos de terrajas

4131A

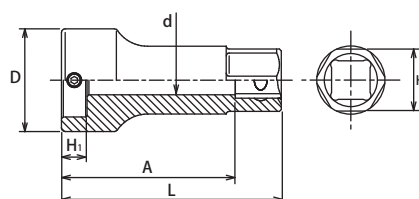


160K Handle Llave



3132 Die Holders Adaptadores

4132



Ratcheting Ring Wrench

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

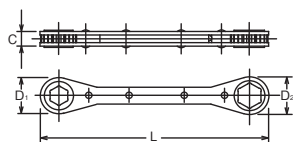
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

102NM • 102NA

Without Reverse Lever
Sin palanca de inversión



102NM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
6×7	108	15.3	16.4	7.5	60	10
7×8	108	15.3	16.4	7.5	60	10
8×9	134	17.1	19.7	7.5	80	10
8×10	134	17.1	19.7	7.5	80	10
10×11	140	20.1	22.7	7.5	87	10
10×12	140	20.1	22.7	7.5	87	10
11×13	145	23.6	24.6	9	112	10
12×13	145	23.6	24.6	9	112	10
12×14	145	23.6	24.6	9	112	10

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

102KM • 102KA

Reversible
Reversible

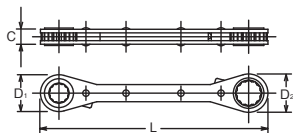


102KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
6×7	108	15.3	16.4	7.2	51	10
7×8	108	15.3	16.4	7.2	51	10
8×9	134	17	20	9.1	76	10
8×10	134	17	20	9.1	76	10
10×11	141	21	23.5	9.1	84	10
10×12	141	21	23.5	9.1	84	10
12×13	146	24	25	9.1	89	10
12×14	146	24	25	9.1	89	5
13×17	200	27.1	31.8	11.5	190	5
14×17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

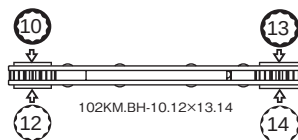
102KA (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.2	51	10
1/4 × 5/16	108	15.3	16.4	7.2	51	10
5/16×11/32	134	17	20	9	76	10
3/8 × 7/16	141	21	23.5	9.1	84	10
1/2 × 9/16	146	24	25	9.1	89	5

102KM.BH

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



102KM.BH (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
5.5× 6× 7× 8	108	15.3	16.4	10	60	10
8 ×10×12×13	141	21	23.5	13	87	10
9 ×10×11×12	141	21	23.5	13	87	10
10 ×12×13×14	146	24	25	13	98	10
13 ×14×15×17	200	27.1	31.8	16	200	5



102KT

Reversible TORX®
Reversible TORX®



102KT (E)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
E 4×E 6	108	15.3	16.4	7.5	51	10
E 6×E 8	108	15.3	16.4	7.5	51	10
E10×E12	134	17	20	9	76	10

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

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

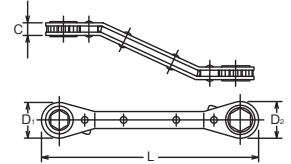
103KA.BH (inch)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
1/4 × 5/16	108	15.3	16.4	7.5	51	5
3/8 × 7/16	140	21	23.5	9	84	5
1/2 × 9/16	145	24	25	9	89	5

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

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

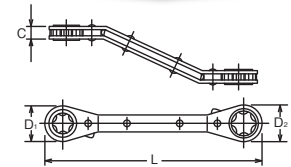
103KM · 103KA 103KA.BH

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



103KT

- Reversible TORX®
- Reversible TORX®



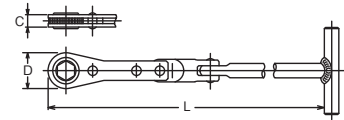
R810

- Reversible
- Reversible



154M

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



154M (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
8	294	17.1	7.5	178	2
10	297	20.1	7.5	183	2
12	300	23.6	9	189	2
13	301	24.6	9	194	2
14	301	24.6	9	194	2

154ML

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

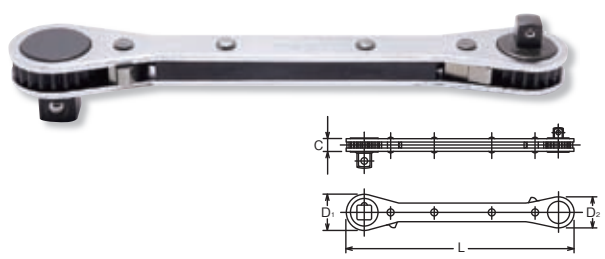


154ML (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
10	297	20.1	7.5	230	2
12	300	23.6	9	252	2

Ratcheting Ring Wrench

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

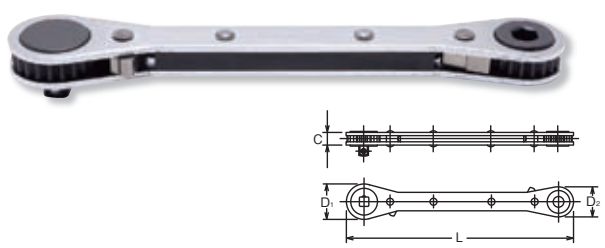
137  For 1/4" and 3/8" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4" y 3/8"



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

1/4" × 3/8"

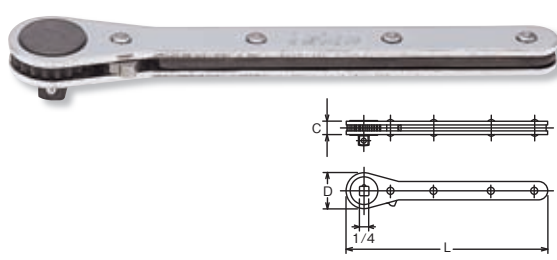
138   For Bits 101
Para Puntas 101



	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	(g)	(pcs.)
138	141	23.5	21	9	97	10

1/4" × 1/4"

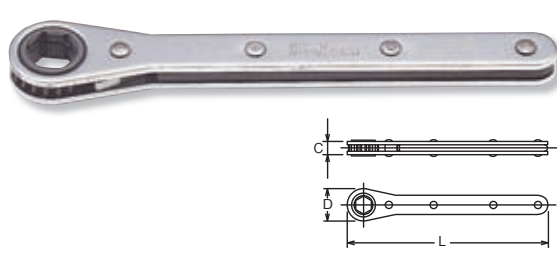
139  For 1/4" Square Drive Sockets
Para Vasos con Conductor Cuadrado de 1/4"



	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
139	125	20.1	7.5	80	10

1/4"

145KM-10H  Reversible, 10mm 6-point
Reversible, 10mm Hexagonal



145KM (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
10H	125	20.1	7.5	72	10



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

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



150.10H (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	12	3.5	11	6	10
6	12	4.5	12.5	7	10
7	12	5	14	7	10
8	12	6	15.5	7	10
9	13	6	16	7	10
10	14.3	7	17	9	10
12	17.4	9	19.5	14	10

1203  Sockets with 10mm 6-point Drive End in Set with Ratchet
Juego de Vasos con Conductor Hex con Llave de Carraca



1203 7 Pieces Set  =250g
METAL CASE: W130×H65×T20mm

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

R810A 5 Pieces Set/ 5=208g

METAL CASE:W130×H65×T20mm

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

R810A Bit Set Juego de Puntas



R810B 10 Pieces Set/ 10=268g

METAL CASE:W130×H65×T20mm

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

R810B Bit Set Juego de Puntas



R810C 12 Pieces Set/ 12=227g

METAL CASE:W130×H65×T20mm

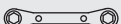
Bits, Sockets	Accessories
101P PH Bits 1, 2, 3 101S Slotted Bit 1×7 2400M Sockets 5, 6, 7, 8, 9, 10	 102NA-1/4×5/16  101A

R810C Bit and Socket Set Juego de Puntas y Vasos



R810D 17 Pieces Set/ 17=336g

METAL CASE:W130×H65×T20mm

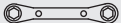
Bits, Sockets	Accessories
101P PH Bits 1, 2, 3 101S Slotted Bit 1×7 128H Hex Bits 3, 4, 5, 6, 8 2400M Sockets 5, 6, 7, 8, 9, 10	 102NA-1/4×5/16  101A

R810D Bit and Socket Set Juego de Puntas y Vasos



R810E 9 Pieces Set/ 9=445g

METAL CASE:W130×H65×T20mm

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

R810E Socket Set Juego de Vasos



Ratcheting Ring Wrench

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
MANGUITO

INDUSTRIAL
INDUSTRIALES

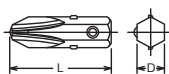
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

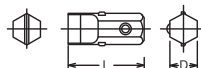
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

101P PH Bits Puntas PH



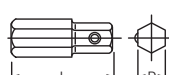
101P (PH)	D (mm)	L (mm)	 (g)	 (pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10

101S Bits for Slotted Head Puntas Rectas/Planas



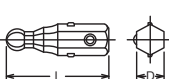
101S	D (mm)	L (mm)	 (g)	 (pcs.)
1.0×7	6.35	15	3	10
1.2×7	6.35	15	3	10

101H Hex Bits Puntas Hexagonales



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

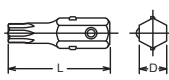
101B Ball point Hex Bits Puntas Hexagonales con bola



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

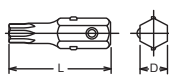
 Ball point bits have less strength due to the special design.
Make sure to use them correctly.

101T (T) TORX® Bits Puntas TORX®



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

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



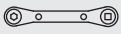
101T (TH)	D (mm)	L (mm)	 (g)	 (pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	5	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10

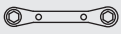
 Tamper Resistant TORX® Bits have less strength due to special design.
Make sure to use it correctly.

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

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

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

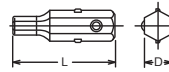
1202	15 Pieces Set/ 420g
METAL CASE: W190×H60×T30mm	
Bits	Accessory
101P PH Bits 1, 2, 3 101S Slotted Bit 1×7 101B Ballpoint Hex Bits 3, 4, 5, 6 101T Torx® Bits T10, T15, T20, T25, T27, T30	 138

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

128H



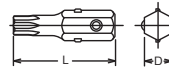
Hex Bits
Puntas Hexagonales



128T



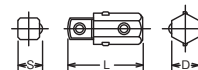
TORX® Bits
Puntas TORX®



101A



Adaptor
Adaptador



1202

Bit Set
Juego de Puntas



2254M

Bit Set
Juego de Puntas



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

3112N Attack Driver
Destornillador de Impacto



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

* 3112N Renewal Kits → 3112RK → P307

3112G Attack Driver
Destornillador de Impacto



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

* 4112N Renewal Kits → 4112RK → P307

4112N Attack Driver
Destornillador de Impacto



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

* Renewal Kits → 6112RK → P307

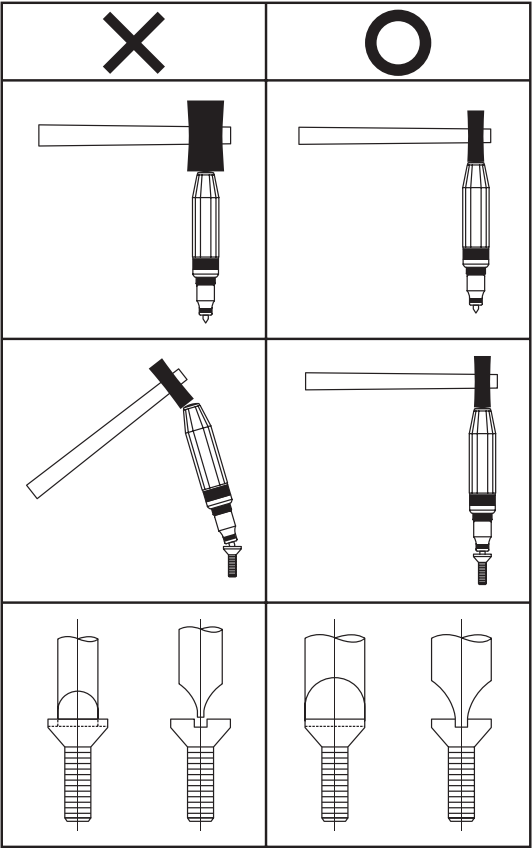


Black finished head prevents peeling off the chrome plate by striking the head.

4112G Attack Driver
Destornillador de Impacto



6112 Attack Driver
Destornillador de Impacto



AN318A 6 Pieces Set/△=1,070g

METAL CASE:W190×H59×T45mm

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

AN112A 6 Pieces Set/△=1,070g

METAL CASE:W190×H59×T45mm

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

100P, S Bits →P166

AG318A 6 Pieces Set/△=1,150g

METAL CASE:W220×H82×T60mm

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

AG112A 6 Pieces Set/△=1,150g

METAL CASE:W220×H82×T60mm

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

100P, S Bits →P166

AN112C 8 Pieces Set/△=1,350g

METAL CASE:W220×H82×T60mm

Bits	Accessories
 100P.80 PH Bits 1, 2, 3	 4112N
 100S.80 Slotted Bits 7, 9, 12	 4138

100P, S Bits →P166

AG112F 25 Pieces Set/△=1,530g

METAL CASE:W220×H82×T60mm

Bits	Accessories
 100P.32 PH Bits 2, 3	 4112G
 100P.32 PZ Bits PZ2, PZ3	 4138
 100S.32 Slotted Bits 9, 11	
 100H.32 Hex Bits 4, 5, 6, 7, 8, 10	
 100T.32 TORX® Bits T25, T27, T30, T40, T45, T50	
 100X.32 XZN Bits M5, M6, M8, M10, M12	

100P, S, H, T, X Bits →P166

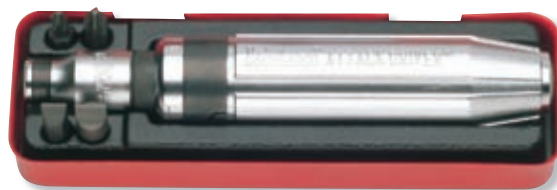
AG112H 18 Pieces Set/△=1,480g

METAL CASE:W220×H82×T60mm

Bits	Accessories
 100P.32 PH Bits 2, 3, 4	 4112G
 100S.32 Slotted Bits 8, 9, 10, 12, 14	 4138
 100H.32 Hex Bits 5, 6, 8, 10	
 100T.32 TORX® Bits T30, T40, T45, T50	

100P, S, H, T Bits →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

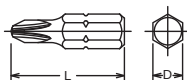
AG112F

Attack Driver Set
Juego de Destornilladores de Impacto

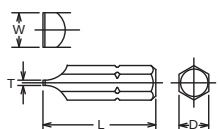
AG112H

Attack Driver Set
Juego de Destornilladores de Impacto

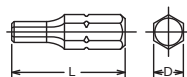
108P-25 • -32 • -50

 PH Bits
Puntas PH


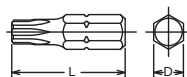
108S-25 • -39

 Bits for Slotted head
Puntas Rectas/Planas


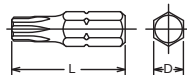
108H-25

 Hex Bits
Puntas Hexagonales


108T-25 (T)

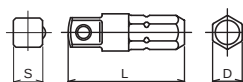
 TORX® Bits
Puntas TORX®


108T-25 (TH)

 Tamper-Resistant TORX® Bits
Punta TORX®, indeformable


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

108A

 Adaptor
Adaptador


108P.25 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10

108P.32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	32	7	10
2	6.35	32	7	10
3	6.35	32	8	10

108P.50 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	50	10	10
2	6.35	50	11	10
3	6.35	50	11	10

108S.25	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5×3	6.35	25	3	10
4	0.6×4	6.35	25	3	10
4.5	0.6×4.5	6.35	25	4	10
5	0.8×5	6.35	25	5	10
5.5	0.8×5.5	6.35	25	5	10
6	1.0×6	6.35	25	5	10
8	1.2×8	6.35	25	6	10

108S.39	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5×3	6.35	39	6	10
4	0.6×4	6.35	39	6	10
4.5	0.6×4.5	6.35	39	6	10
5	0.8×5	6.35	39	7	10
5.5	0.8×5.5	6.35	39	8	10
6	1.0×6	6.35	39	9	10
8	1.2×8	6.35	39	12	10

108H.25 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10

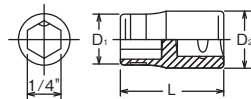
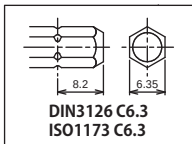
108H.25 (inch)	D (mm)	L (mm)	(g)	(pcs.)
1/8	6.35	25	4	10
9/64	6.35	25	5	10
5/32	6.35	25	5	10
3/16	6.35	25	5	10
7/32	6.35	25	6	10
1/4	6.35	25	7	10

108T.25 (T)	D (mm)	L (mm)	(g)	(pcs.)
T 8	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	4	10
T20	6.35	25	5	10
T25	6.35	25	6	10
T27	6.35	25	6	10
T30	6.35	25	6	10
T40	6.35	25	6	10

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

108A.25	S	D (mm)	L (mm)	(g)	(pcs.)
1/4B	1/4"	6.35	25	10	10

		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2137	1/4"	12	12	22.5	13	10
3137	3/8"	13	16.5	30	30	10
4137	1/2"	13	22	38	53	10



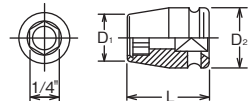
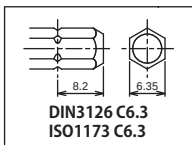
		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12139-1/4	1/4"	11	13	25	15	10	*1
13139-1/4	3/8"	11	19	30	32	10	*2
14139-1/4	1/2"	11	25	35	62	10	*3

*1 Pin/O-Ring=A21/B21

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

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

➔ P254-255



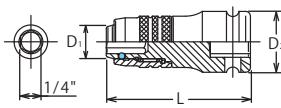
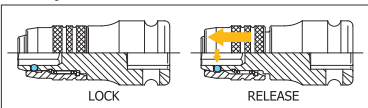
		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

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

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

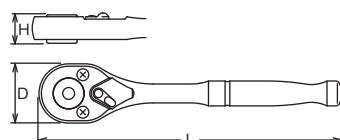
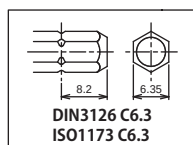
➔ P254-255

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)	(pcs.)
2749P-1/4HF	25	12	125	96	10
2774P-1/4HF	25	12	165	133	2



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 ○



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

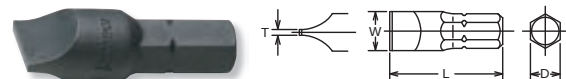


2774P-1/4HF ○ Flexible Ratchet, Reversible, for Bits 1/4"
Llave de Carraca Reversible, para Puntas 1/4"



100P-32 • -80 • -125 PH Bits
Puntas PH

100P.32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

100P-32 (PZ) PZ Bits
Puntas PZ**100S-32 • -80** Bits for Slotted Head
Puntas Rectas/Planas

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

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

100H.32 (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

2138 ○ Bit Holder
Porta-punta



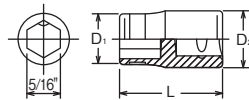
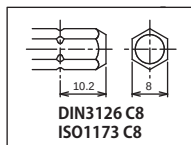
3138 ○ Bit Holder
Porta-punta



4138 ○ Bit Holder
Porta-punta



		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
2138	1/4"	16	16	26	32	10
3138	3/8"	16	18	38	55	10
4138	1/2"	16	22	38	62	10



12140 ○ Impact Bit Holder
Porta-punta de Impacto



13140 ○ Impact Bit Holder
Porta-punta de Impacto



14140 ○ Impact Bit Holder
Porta-punta de Impacto



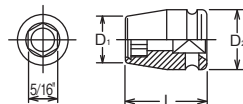
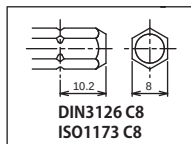
		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12140-5/16	1/4"	14	13	25	15	10	*1
13140-5/16	3/8"	14	19	30	32	10	*2
14140-5/16	1/2"	14	25	35	62	10	*3

*1 Pin/O-Ring=A21/B21

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

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

➔ P254-255



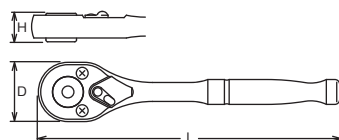
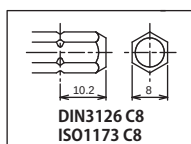
2749P-5/16HF ○ Reversible Ratchet, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"



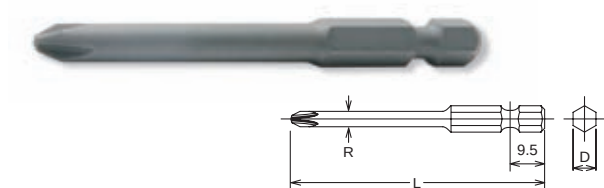
2774P-5/16HF ○ Flexible Ratchet, reversible, for Bits 5/16"
Llave de Carraca Reversible, para Puntas 5/16"



	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749P-5/16HF	25	14	125	96	10
2774P-5/16HF	25	14	165	133	2



121P-50 · -70 · -100 · -150

PH Bits
Puntas PH

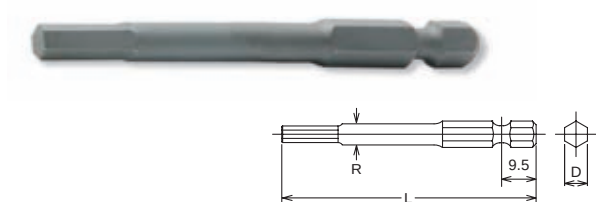
121P.50 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	-	50	13	10

121P.70 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	70	15	10
2	6.35	5.5	70	15	10
3	6.35	-	70	16	10

121P.100 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	100	23	10
2	6.35	5.5	100	23	10
3	6.35	-	100	24	10

121P.150 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	150	30	10
2	6.35	5.5	150	35	10
3	6.35	-	150	36	10

121H-50 · -70 · -100 · -150

Hex Bits
Puntas Hexagonales

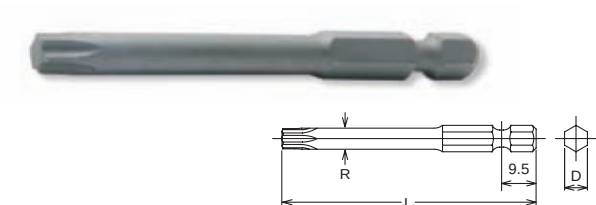
121H.50 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	50	11	10
2.5	6.35	3	50	12	10
3	6.35	3.5	50	12	10
4	6.35	4.5	50	12	10
5	6.35	5.6	50	13	10
6	6.35	-	50	14	10

121H.70 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	70	13	10
2.5	6.35	3	70	15	10
3	6.35	3.5	70	15	10
4	6.35	4.5	70	15	10
5	6.35	5.6	70	16	10
6	6.35	-	70	18	10

121H.100 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	100	22	10
2.5	6.35	3	100	23	10
3	6.35	3.5	100	23	10
4	6.35	4.5	100	23	10
5	6.35	5.6	100	24	10
6	6.35	-	100	26	10

121H.150 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3.5	150	35	10
2.5	6.35	3.5	150	35	10
3	6.35	3.5	150	37	10
4	6.35	4.5	150	37	10
5	6.35	5.6	150	38	10
6	6.35	-	150	39	10

121T-50 · -70 · -100 · -150 (T)

TORX® Bits
Puntas TORX®

121T.50 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3	50	12	10
T15	6.35	3.5	50	12	10
T20	6.35	4.1	50	12	10
T25	6.35	4.6	50	12	10
T27	6.35	5.2	50	13	10
T30	6.35	5.7	50	13	10
T40	6.35	-	50	14	10

121T.70 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	70	16	10
T15	6.35	3.5	70	16	10
T20	6.35	4.1	70	16	10
T25	6.35	4.6	70	16	10
T27	6.35	5.2	70	17	10
T30	6.35	5.7	70	17	10
T40	6.35	-	70	18	10

121T.100 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	100	24	10
T15	6.35	3.5	100	24	10
T20	6.35	4.1	100	24	10
T25	6.35	4.6	100	24	10
T27	6.35	5.2	100	24	10
T30	6.35	5.7	100	25	10
T40	6.35	-	100	26	10

121T.150 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	150	35	10
T15	6.35	3.5	150	37	10
T20	6.35	4.1	150	37	10
T25	6.35	4.6	150	37	10
T27	6.35	5.2	150	37	10
T30	6.35	5.7	150	38	10
T40	6.35	-	150	39	10

121T.70 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	70	15	10
T20H	6.35	4.1	70	16	10
T25H	6.35	4.6	70	16	10
T27H	6.35	5.2	70	17	10
T30H	6.35	5.7	70	17	10
T40H	6.35	-	70	18	10

121T.100 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	100	22	10
T20H	6.35	4.1	100	24	10
T25H	6.35	4.6	100	24	10
T27H	6.35	5.2	100	24	10
T30H	6.35	5.7	100	25	10
T40H	6.35	-	100	26	10

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

121T.50 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	50	12	10
25IP	6.35	4.6	50	12	10
27IP	6.35	5.2	50	13	10
30IP	6.35	5.7	50	13	10
40IP	6.35	-	50	14	10

121T.70 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	70	16	10
25IP	6.35	4.6	70	16	10
27IP	6.35	5.2	70	17	10
30IP	6.35	5.7	70	17	10
40IP	6.35	-	70	18	10

	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
12137E	1/4"	12	13	36	22	10	*1
13137H	3/8"	13	19	42	77	10	*2
13137E	3/8"	12	19	40	40	10	*2
14137E	1/2"	12	25	48	70	10	*3

*1 Pin/O-Ring=A21/B21

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

➔ P254-255

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

	□	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
12142-F6.3	1/4"	16.5	13	40	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3

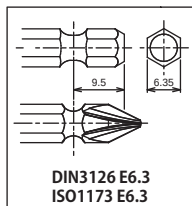
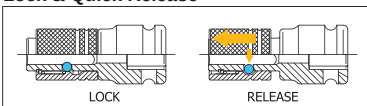
*1 Pin/O-Ring=A21/B21

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

➔ P254-255

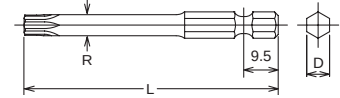
*3 C-Ring=C41, Pin/O-Ring=A41/B41

Lock & Quick Release

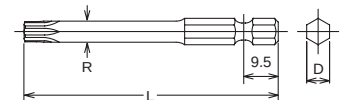


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

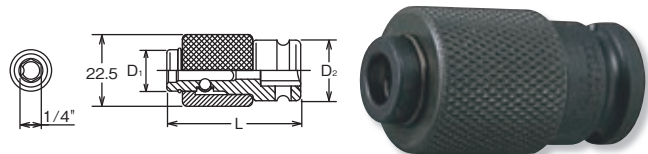
121T-70 · -100 (TH) Tamper-Resistant TORX® Bits Punta TORX®, indeformable **⚠**



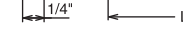
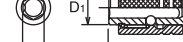
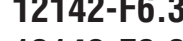
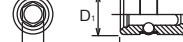
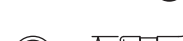
121T-50 · -70 (IP) TORXPLUS® Bits Putas TORXPLUS®



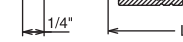
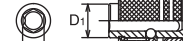
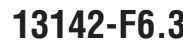
13137H Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3)



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

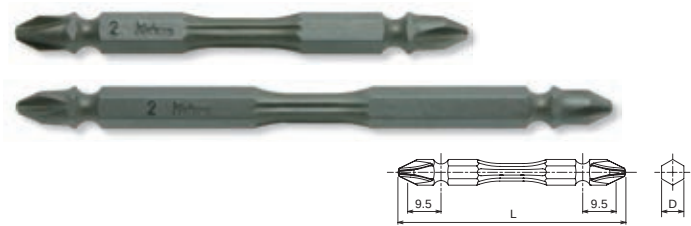


12142-F6.3 Impact Bit Holder for 1/4"(6.3) Bits Porta-punta de impacto para Puntas 1/4"(6.3) **⚠**

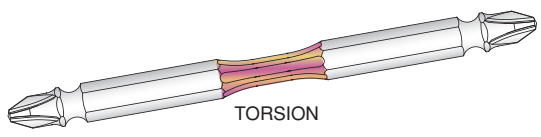


Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

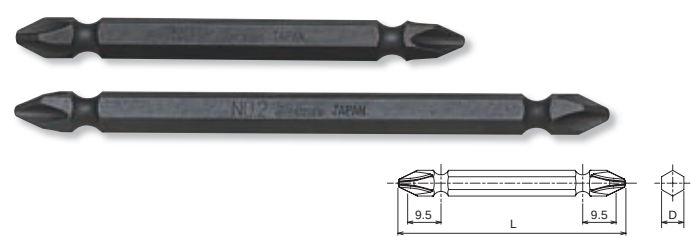
123PT-75 • -100 Double Ended Torsion Bits
Puntas PH, simétricas, Torsion



123PT (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10



123PN-75 • -100 Double Ended Bits
Puntas PH, simétricas
123PG-75 • -100 Magnetic type



123PN.75 123PG.75 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10

123PN.100 123PG.100 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10

165LM Slide Socket with Magnet

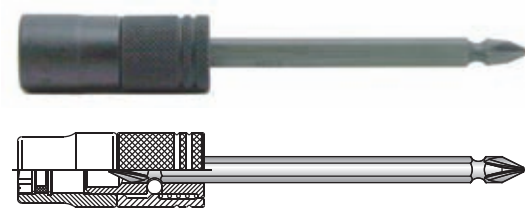


165LM.45 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.5	3.5	45	55	10
10	16	4.2	45	58	10
12	18.5	5.6	45	65	10
13	20	6	45	68	10
14	21	6.4	45	70	10

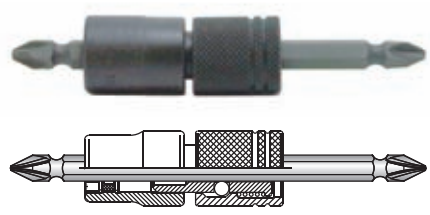
Slide the socket by pulling holder, and pull back the socket to lock on the bit groove.
Ring magnet holds a bolt or nut for easy work.
 You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.
 The magnet could be broken with any impacts. Please handle with care.

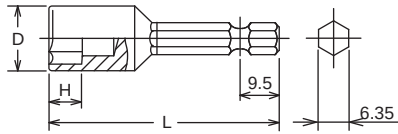


Nut Setter



PH Bit





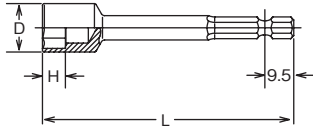
113.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	31	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10

113-50 Nut Setters Vasos para apretar tuercas Hexagonales



113.50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14.2	7	50	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)	(pcs.)
7	11.5	5	75	31	10
8	12.7	6	75	32	10
10	14.5	7	75	35	10
12	17	8	75	42	10
13	18	8	75	41	10
14	19	9	75	43	10

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

113.150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	150	59	10
8	12.7	6	150	60	10
10	14.5	7	150	64	10
12	17	8	150	70	10
13	18	8	150	76	10
14	19	9	150	78	10

113.200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10

113.250 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	250	99	10
8	12.7	6	250	100	10
10	14.5	7	250	105	10
12	17	8	250	113	10
13	18	8	250	114	10
14	19	9	250	119	10

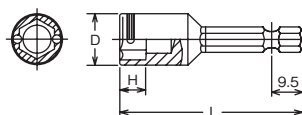
113.50 (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10

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



113.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7(2B)	11	5	50	20	10
8(2B)	12	6	50	21	10
10(2B)	14.2	7	50	26	10
13(2B)	18	8	50	31	10

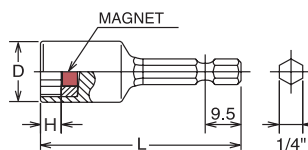
113-50 (2B) Nut Setters Nut Grip® Vasos para apretar tuercas con 2 bolas



115-50



Nut Setters with Magnet
Vasos para tuercas con Imán



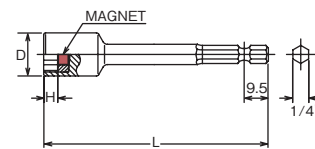
115.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

115.50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	2.4	50	17	10
5/16	12	3.5	50	20	10
3/8	14.2	4.2	50	29	10
1/2	18	6	50	50	10

115-75 • -100 • -150 • -200 • -250



Nut Setters with Magnet
Vasos para tuercas con Imán



115.75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	75	32	10
8	12.7	3.5	75	33	10
10	14.5	4.2	75	38	10
12	17	5.6	75	46	10
13	18	6	75	49	10
14	19	6.4	75	52	10

115.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	100	41	10
8	12.7	3.5	100	42	10
10	14.5	4.2	100	50	10
12	17	5.6	100	58	10
13	18	6	100	62	10
14	19	6.4	100	65	10

115.150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	150	60	10
8	12.7	3.5	150	61	10
10	14.5	4.2	150	68	10
12	17	5.6	150	77	10
13	18	6	150	82	10
14	19	6.4	150	85	10

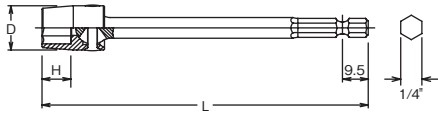
115.200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	200	79	10
8	12.7	3.5	200	80	10
10	14.5	4.2	200	88	10
12	17	5.6	200	97	10
13	18	6	200	102	10
14	19	6.4	200	105	10

115.250 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	250	101	10
8	12.7	3.5	250	103	10
10	14.5	4.2	250	110	10
12	17	5.6	250	118	10
13	18	6	250	122	10
14	19	6.4	250	124	10



113UN-100 · -150 · -200

6-point Universal Joint Nut Setters
Vasos para apretar tuercas Hexagonales con Articulación Universal



113UN.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	100	50	10
10	15	8	100	53	10
12	17	10	100	56	10
13	18	10	100	65	10
14	19.2	10	100	67	10

113UN.200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	200	75	10
10	15	8	200	87	10
12	17	10	200	98	10
13	18	10	200	116	10
14	19.2	10	200	116	10

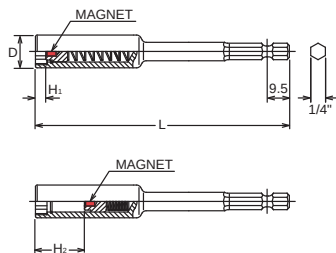
113UN.150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10



SLIDE MAGNET

115G-75 · -100 · -150 · -200 · -250

Nut Setters with sliding Magnet
Vasos para tuercas con Imán Corredizo



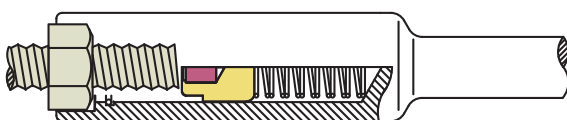
115G.75 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

115G.100 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	100	51	10
8	12.7	4	26	100	51	10
10	14.5	4.5	26	100	57	10
12	17	6	26	100	77	10
13	18	6.5	25	100	80	10
14	19	7	24	100	82	10

115G.150 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

115G.200 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	200	86	10
8	12.7	4	26	200	89	10
10	14.5	4.5	26	200	96	10
12	17	6	26	200	119	10
13	18	6.5	25	200	125	10
14	19	7	24	200	128	10

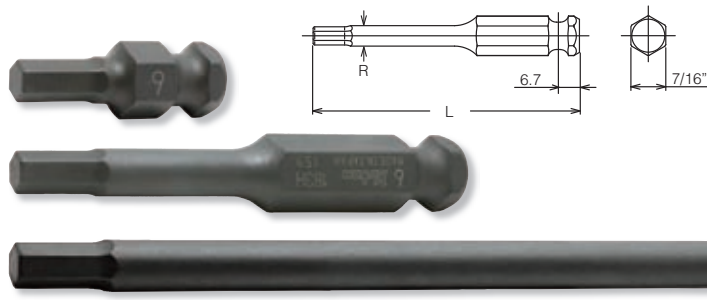
115G.250 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12.7	4	26	250	110	10
10	14.5	4.5	26	250	120	10
12	17	6	26	250	130	10



Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line work.

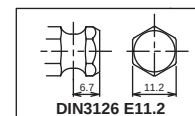
El sistema de imán corredizo proporciona espacio para el perno y al mismo tiempo acción magnética. El artículo 115G está diseñado específicamente para líneas de montaje.

183H-35 · -75 · -150

Hex Bits
Puntas Hexagonales

183H.35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

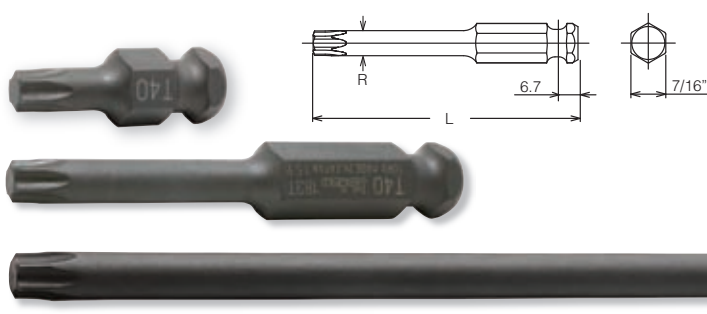
183H.35 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10



183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6.0	34	10
4	75	6.0	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

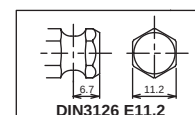
183H.150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6.0	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

183T-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®

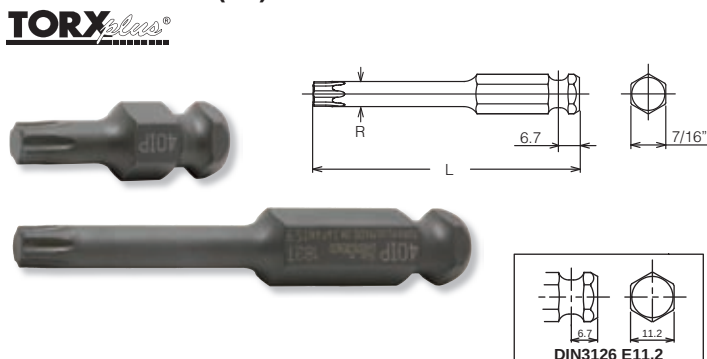
183T.75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	75	6.0	35	10
T40	75	6.9	37	10
T45	75	8.0	41	10
T50	75	9.0	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T.35 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	30	10
T60	35	38	10



183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6.0	50	10
T40	150	6.9	58	10
T45	150	8.0	70	10
T50	150	9.0	82	10
T55	150	11.4	113	10

183T-35 · -75 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®

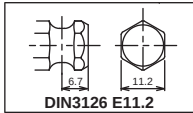
183T.35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T.75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6.0	35	10
40IP	75	6.8	37	10
45IP	75	8.0	41	10
50IP	75	9.0	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

⚠ The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

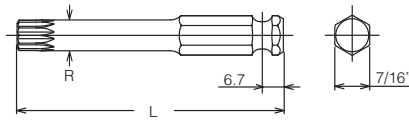
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TORXplus es una marca registrada de Acument Intellectual Properties, LLC.

183X.35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	
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



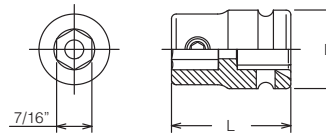
183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6.0	34	10
M 5	75	6.0	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X.150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6.0	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

The items with have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

13134 14134 16134

Impact Bit Holder
Porta-punta de Impacto



		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13134	3/8"	24	22	32	70	10	*1
14134	1/2"	24	25	38	90	10	*2
16134	3/4"	24	44	52	200	2	*3

*1 C-Ring=C32,Pin/O-Ring=A32/B32

*2 C-Ring=C41,Pin/O-Ring=A41/B41

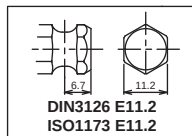
*3 C-Ring=C61,Pin/O-Ring=A61/B61

→ P254-255

13134-SC

Replacement Screw : M8×6, ● 4mm

For
DIN3126 / ISO1173 E11.2 Bits



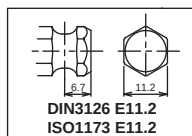
		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	3/8"	18.9	22	46	116	10	*1
14142-F11.2	1/2"	18.9	25	46	207	10	*2

*1 C-Ring=C32,Pin/O-Ring=A32/B32

*2 C-Ring=C41,Pin/O-Ring=A41/B41

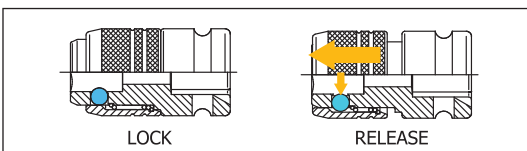
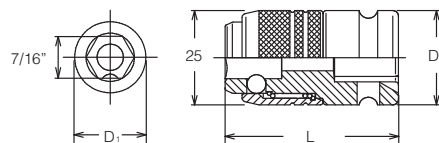
→ P254-255

For
DIN3126 / ISO1173 E11.2 Bits



13142-F11.2 14142-F11.2

Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida)



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

110-35B · -50B · -100B · -150B -35P · -50P · -100P · -150P

Adaptors
Adaptadores

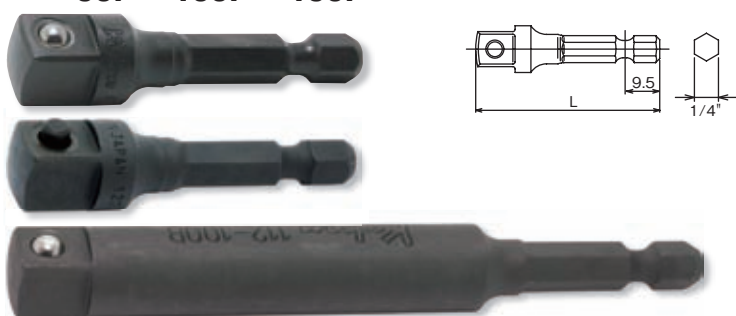


110		TYPE	L (mm)	(g)	(pcs.)
35B	1/4"	Ball	35	9	10
35P		Pin	35	9	10
50B		Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	34	10
100P		Pin	100	34	10
150B		Ball	150	54	10
150P		Pin	150	54	10

● DIN 3126 / ISO 1173 Form E 6.3

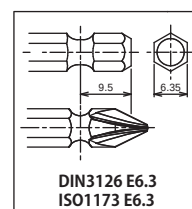
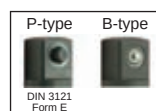
112-50B · -100B · -150B -50P · -100P · -150P

Adaptors
Adaptadores



112		TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	21	10
50P		Pin	50	21	10
100B		Ball	100	71	10
100P		Pin	100	71	10
150B		Ball	150	121	10
150P		Pin	150	121	10

● DIN 3126 / ISO 1173 Form E 6.3



135E-60B · -60P

Adaptors
Adaptadores



135E		TYPE	L (mm)	(g)	(pcs.)
60B	1/2"	Ball	60	46	10
60P		Pin	60	46	10

● DIN 3126 / ISO 1173 Form E 6.3

117-50B · -100B -50P · -100P

Adaptors
Adaptadores



117		TYPE	L (mm)	(g)	(pcs.)
50B	1/4"	Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	71	10
100P		Pin	100	71	10

● DIN 3126 / ISO 1173 Form G7

120-50B · -50P

Adaptors
Adaptadores

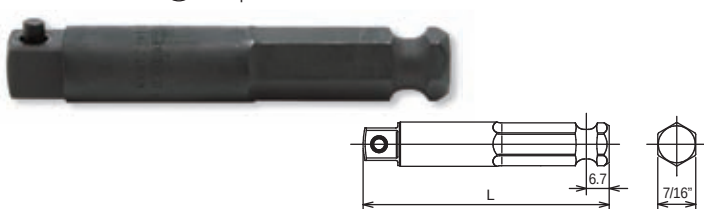


120		TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	27	10
50P		Pin	50	27	10

● DIN 3126 / ISO 1173 Form E8

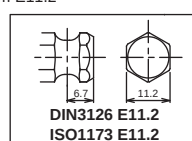
186-75P

Adaptors with Pin
Adaptadores con Perno



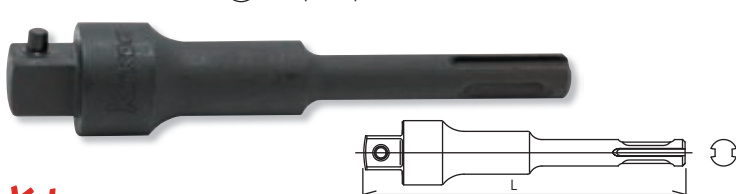
186-75P		L (mm)	(g)	(pcs.)
3/8	3/8"	75	65	10
1/2	1/2"	75	85	10

● DIN 3126 / ISO 1173 Form E11.2



BD022-120P

Hammer Drill Adaptor
Adaptador para Taladro de Percusión



BD022-120P		L (mm)	(g)	(pcs.)
3/8	3/8"	120	100	10
1/2	1/2"	120	160	10

Screwdrivers



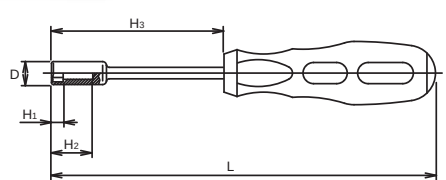
Screwdrivers

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

167M • 167A



Socket Drivers
Destornilladores de Vaso



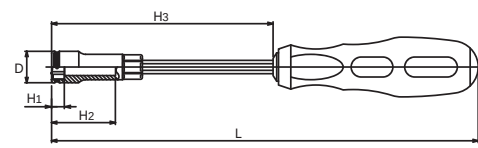
167M (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
3	5.8	3	25	125	225	62	6
3.5	5.8	3	25	125	225	62	6
4	6.7	3.5	25	125	225	64	6
4.5	7.2	4.5	25	125	225	65	6
5	7.8	5	25	125	225	66	6
5.5	8.4	5.5	25	125	225	68	6
6	9.1	6	25	125	225	70	6
7	10.9	6.5	25	125	235	101	6
8	12	7	25	125	235	103	6
9	13.2	7.5	25	125	235	107	6
10	14.5	8	25	125	235	111	6
11	15.9	8.5	25	125	245	155	6
12	16.8	9	25	125	245	161	6
13	18.2	9.5	25	125	245	167	6
14	19.2	11	25	125	245	178	6

167A (inch)	D (mm)	H (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
1/4	9.1	6	25	125	225	70	6

167C (2B)

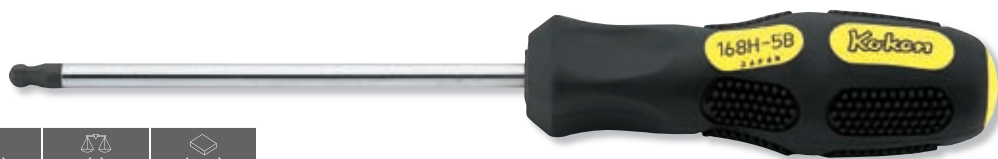


Interchangeable Socket Driver, Nut Grip®



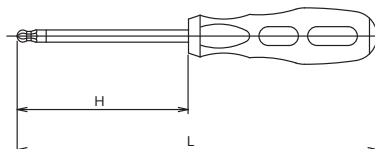
167C(2B) (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	 (g)	 (pcs.)
7(2B)	11.5	4	38	122	235	120	6
8(2B)	12.3	5	38	122	235	125	6
10(2B)	14.2	6	38	122	235	130	6
12(2B)	17.3	7	38	122	235	135	6

167C/3-2B					4 Pieces Set/  =280g		
PLASTIC BAG							
Socket Drivers							
 Socket:		7, 8, 10					
Grip:		167C-GRIP					

168H-B Ball point Hex Screwdrivers 

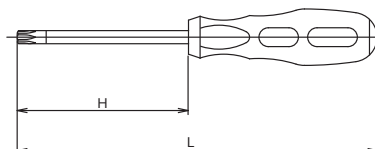
168H (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3B	80	150	25	6
4B	125	225	60	6
5B	125	235	85	6
6B	125	245	150	6
7B	125	245	151	6
8B	125	245	153	6

 Ball point Hex Screwdrivers have less strength due to the special design. Make sure to use them correctly.

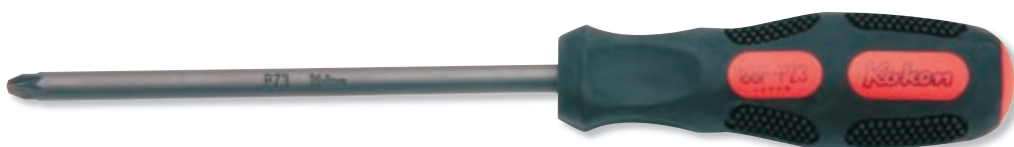
**168T (TH)** Tamper-Resistant TORX® Screwdrivers 

168T (TH)	H (mm)	L (mm)	 (g)	 (pcs.)
T10H	80	150	25	6
T15H	80	150	25	6
T20H	125	225	60	6
T25H	125	225	60	6
T27H	125	235	90	6
T30H	125	235	92	6
T40H	125	245	153	6

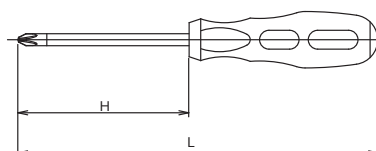
 Tamper Resistant TORX® Screwdrivers have less strength due to the special design. Make sure to use it correctly.

**168T/7 (TH)** Set Juego

168T/7-TH	 (g)
168T-T10H, T15H, T20H, T25H, T27H, T30H, T40H	480

**168P (PZ)** PZ Screwdrivers

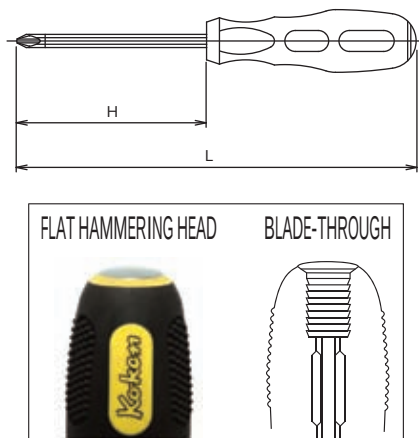
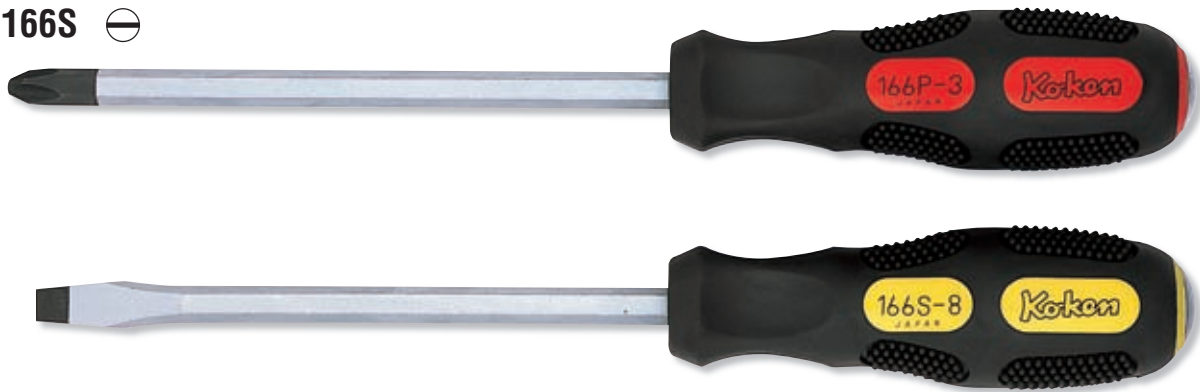
168P (PZ)	H (mm)	L (mm)	 (g)	 (pcs.)
PZ1	75	175	78	6
PZ2	100	210	129	6
PZ3	150	270	203	6



Screwdrivers

Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTOR
AUTOMOTIVE
CONSTRUCTION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

166P  Screwdrivers (Blade-Through type)
166S  Destornilladores



166P (PH)	H (mm)	L (mm)	 (g)	 (pcs.)
1	75	175	78	6
2	100	210	129	6
3	150	270	203	6

166S	H (mm)	L (mm)	 (g)	 (pcs.)
5	75	175	78	6
6	100	210	129	6
8	150	270	203	6

166PS/6   Set
Juego

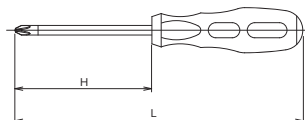


166PS/6	6 Pieces Set/  =885g
CARDBOARD BOX:W280×H115×T40mm	
Screwdrivers	
 166P Screwdrivers 1, 2, 3	
 166S Screwdrivers 5, 6, 8	

PK166PS/6   Set
Juego



PK166PS/6	6 Pieces Set/  =950g
PLASTIC TRAY	
Screwdrivers	
 166P Screwdrivers 1, 2, 3	
 166S Screwdrivers 5, 6, 8	



168P (PH)	H (mm)	L (mm)	(g)	(pcs.)
1	75	175	59	6
2	100	210	86	6
2(150)	150	260	100	6
2(200)	200	310	111	6
2(300)	300	410	133	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

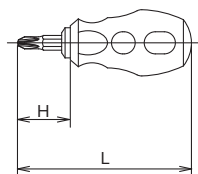
CARDBOARD BOX:W280×H115×T40mm

Screwdrivers
168P Screwdrivers 1, 2, 3
168S Screwdrivers 5, 6, 8

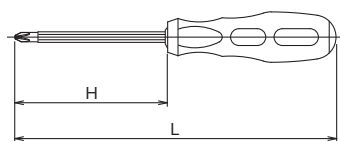
PK168PS/6 6 Pieces Set/ 720g

PLASTIC TRAY

Screwdrivers
168P Screwdrivers 1, 2, 3
168S Screwdrivers 5, 6, 8



168CS	H (mm)	L (mm)	(g)	(pcs.)
2×6	22	86	46	6



168C	H (mm)	L (mm)	(g)	(pcs.)
2×6	100	210	108	6
2×6(150)	150	260	120	6
2×6(200)	200	310	133	6

168P + Screwdrivers
168S - Destornilladores



168PS/6 + - Set
Juego



PK168PS/6 + - Set
Juego



168CS + - Interchangeable Screwdrivers, Stubby



168C + - Interchangeable Screwdrivers

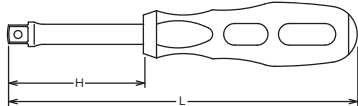


Screwdrivers

Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

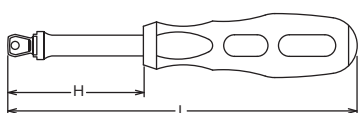
2769N-150 • -220

Spin Type Handle
Mango Tipo Destornillador



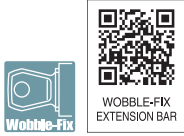
2769NWF-150 • -220

Spin Type Handle (Wobble-Fix)
Mango Tipo Destornillador (Articulado-Fijo)



2769N		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	2
220		120	220	100	2

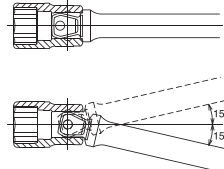
Plastic or rubber handles are not intended to act as insulation.
Los mangos de plástico o de goma no están previstos para aislamiento.



2769NWF		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	2
220		120	220	100	2

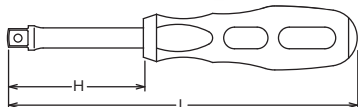
Wobble-Fix Extension Bar
Two way usage : One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar. This usage is Patent.

Alargadera Articulado-Fija
Dos formas de utilización : Una como alargadera flexible para poder trabajar con un ángulo de 15° y otra para utilizarse como alargadera normal. Esta aplicación está patentada.



3769N-160 • -230

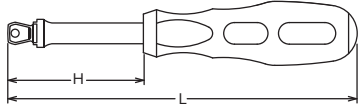
Spin Type Handle
Mango Tipo Destornillador



3769N		H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	110	2
230		120	230	135	2

3769NWF-160 • -230

Spin Type Handle (Wobble-Fix)
Mangos Tipo Destornillador (Articulado-Fijo)



3769NWF		H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	110	2
230		120	230	135	2

Impact Sockets

1/4"

3/8"

1/2"

5/8"

3/4"

1"

1-1/2"

2-1/2"

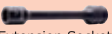
3-1/2"



Impact Sockets

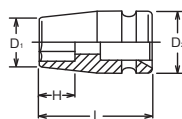
Z-SERIES
HAND MANUALES
TITANIUM DE TITANIO
ACCESSORIES ACCESORIOS
SCREWDRIVERS DESTORNILLADORES
IMPACT DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL INDUSTRIALES
PROTECTOR PROTECTORES
AUTOMOTIVE
CONSTRUCTION CONSTRUCCIÓN
RENEWAL KITS JUEGOS DE PIEZAS REPUESTO

Impact Sockets		Square Drive														
		1/4"(6.35mm)SQ.			3/8"(9.5mm)SQ.			1/2"(12.7mm)SQ.			5/8"(15.9mm)SQ.			3/4"(19mm)SQ.		
		No.	Page		No.	Page		No.	Page		No.	Page		No.	Page	
 Standard Sockets	 6-point	12400M 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
	 6-point (Thin-walled)				13401M 13401A	mm inch	190 190	14401M 14401A	mm inch	203 203				16401M 16401A	mm inch	221 221
	 6-point (with Magnet)	12400MG 12400AG	mm inch	186 186	13400MG 13400AG	mm inch	189 189	14400MG	mm	204						
	 12-point				13405M 13405A	mm inch	189 189	14405M 14405A	mm inch	202 202				16405M 16405A	mm inch	220 220
	 12-point (Thin-walled)				13406M 13406A	mm inch	190 190	14406M 14406A	mm inch	203 203						
	 Surface	12410M	mm	186	13410M	mm	191	14410M	mm	204	15410M	mm	218	16410M	mm	221
	 PATHFINDER®	12465M	mm	187	13465M	mm	191	14465M	mm	205						
	 TORX® (E)	12425	TORX®	187	13425 13425EG	TORX® TORX®	191 191	14425	TORX®	205				16425	TORX®	222
	 TORXplus® (EP)				13425-EPL	TORXplus®	191	14425-EPL	TORXplus®	205				16425-EPL	TORXplus®	222
	 LH-S				13401LH	LH-STIX®	192	14401LH	LH-STIX®	206						
	 for Self Tapping Screws	12460M 12460A	mm inch	187 187	13460M 13460A	mm inch	192 192									
	 for Self Tapping Screws (with Magnet)	12460MG 12460AG	mm inch	187 187	13460MG 13460AG	mm inch	192 192									
	 Double Square							14415M	mm	205						
	 for Weld Nut				13400-WN		192	14400-WN		206						
 Short Sockets	 6-point (Thin-walled)				13401MS	mm	190	14401MS	mm	204						
 Semi Deep Sockets	 6-point (Thin-walled)				13301X	mm	193	14301X	mm	206				16301X	mm	222
	 6-point (with Slide Magnet)				13300XG	mm	193									
 Deep Sockets	 6-point	12300M	mm	188	13300M 13300A	mm inch	193 193	14300M 14300A	mm inch	207 207	15300M	mm	219	16300M 16300A	mm inch	223 223
	 6-point (Thin-walled)				13301M 13301A	mm inch	194 194	14301M 14301A	mm inch	207 207				16301M 16301A	mm inch	223 223
	 6-point (with Slide Magnet)	12300G	mm	188	13300G	mm	195	14300G	mm	209						
	 12-point				13305M	mm	194	14305M	mm	208				16305M	mm	224
	 12-point (Thin-walled)				13306M	mm	194	14306M	mm	208						
	 Surface				13310M	mm	194	14310M	mm	208	15310M	mm	219	16310M	mm	224
	 PATHFINDER®	12365M	mm	188	13365M	mm	195	14365M	mm	209						
	 TORX® (E)				13325	TORX®	195	14325	TORX®	209				16325	TORX®	224
 Extension Sockets	 6-point				13145M	mm	199	14145M	mm	214						
	 6-point (with Magnet)				13145MG	mm	199									
	 12-point				13145M(12P)	mm	199									
 Universal Sockets	 6-point				13440M 13440A	mm inch	195 195	14440M 14440A	mm inch	209 209						
	 6-point (Extension)				13146M	mm	200	14146M	mm	214						
	 TORX® (E)				13440T	TORX®	195									
 Bit Sockets	 Hexagon				13012M	mm	196	14012M	mm	210						
	 TORX® (T)				13025	TORX®	196	14025	TORX®	210						
 Bit Sockets (Bit changeable)	 Hexagon				13134M	mm	198	14134M	mm	212				16106-16 16107-22	mm mm	225 227
	 TORX® (T)				13134T(T)	TORX®	198	14134T(T)	TORX®	212				16106-16(T)	TORX®	225
	 TORXplus® (IP)				13134T(IP)	TORXplus®	198	14134T(IP)	TORXplus®	212						
	 XZN (Triple Square)				13134X(XZN)	XZN	198	14134X(XZN)	XZN	212				16106-16(XZN)	XZN	225
 Universal Bit Sockets	 Hexagon				13430M	mm	195									
	 Hexagon (Extension)				13147M	mm	200	14147M	mm	214						
 Extension Bars		12760		188	13760		200	14760		215				16760		227
 Universal Joints		12770		188	13770 13771 13772		201 201 201	14770 14771 14772		215 215 216	15770		219	16770 16771		228 228
 Adaptors		12233A		188	13322A 13344A		201 201	14433A 14455A 14466A		216 216 216	15544A 15566A		219 219	16644A 16655A 16688A		228 228 228
 Locking Adaptors		12222AL		188	13333AL		201	14444AL 14466AL		215 215	15555AL		219	16666AL 16644AL		228 228

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.	mm	Page	No.	mm	Page	No.	mm	Page	No.	mm	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)												
	 Double Square												
	 for Weld Nut												
 Short Sockets	 6-point (Thin-walled)												
 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®												
 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)												
	 XZN (Triple Square)	18106-16(XZN)	XZN	235									
 Universal Bit Sockets	 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									

12400M • 12400A

6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

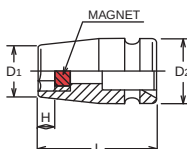
FLAT DRIVE®

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

El diseño de contacto plano garantiza una superficie de contacto plana entre el vaso y el perno/tuerca. El contacto plano reduce el desgaste y permite transmitir más par. El Sistema de Contacto Plano se utiliza tanto para el extremo del cuadrado conductor como para la boca del vaso Hex o Bi-hex.

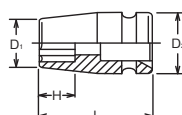
12400MG • 12400AG

6-point Sockets with Magnet
Vasos Hexagonales con Imán



12410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



SURFACE DRIVE

SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas.

12400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	7.5	13	4	23	14	10	*1
4.5	8.1	13	4	23	14	10	*1
5	8.8	13	4	23	14	10	*1
5.5	9.4	13	4	23	14	10	*1
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	14	10	*1
8	12.5	13	6	23	14	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	15	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1
14	20	13	9	23	20	10	*1

12400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/32	7.5	13	4	23	14	10	*1
3/16	8.1	13	4	23	14	10	*1
7/32	9.4	13	4	23	16	10	*1
1/4	10	13	5	23	14	10	*1
9/32	11.3	13	5	23	14	10	*1
5/16	12.5	13	6	23	14	10	*1
11/32	13.8	13	7	23	14	10	*1
3/8	15	13	7	23	15	10	*1
7/16	16.3	13	8	23	18	10	*1
1/2	18.8	13	8	23	19	10	*1
9/16	20	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 → P255

12400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	7.5	13	2.1	23	12	10	*1
4.5	8.1	13	2.1	23	13	10	*1
5	8.8	13	2.1	23	15	10	*1
5.5	9.4	13	2.1	23	15	10	*1
6	10	13	2.4	23	16	10	*1
7	11.3	13	2.8	23	16	10	*1
8	12.5	13	3.5	23	17	10	*1
9	13.8	13	3.8	23	18	10	*1
10	15	13	4.2	23	18	10	*1
11	16.3	13	4.9	23	21	10	*1
12	17.5	13	5.6	25	21	10	*1
13	18.8	13	6	25	21	10	*1
14	20	13	6.4	25	20	10	*1

12400AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/16	8.1	13	2.1	23	13	10	*1
1/4	10	13	2.4	23	16	10	*1
5/16	12.5	13	3.5	23	17	10	*1
11/32	13.8	13	3.8	23	18	10	*1
3/8	15	13	4.2	23	18	10	*1
7/16	16.3	13	4.9	23	21	10	*1
1/2	18.8	13	6	25	21	10	*1
9/16	20	13	6.4	25	20	10	*1

*1 Pin/O-Ring=A21/B21 → P255

12410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	15	10	*1
8	12.5	13	6	23	15	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	14	10	*1
11	16.3	13	8	23	17	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1

*1 Pin/O-Ring=A21/B21 → P255

1/4" Impact Sockets

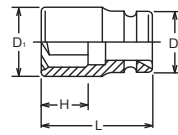
12465M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	23	17	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	9	23	18	10	*1
13	18.8	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 → P255



PATHFINDER®

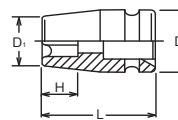
12465M Pathfinder Sockets Vasos Pathfinder (Guía)



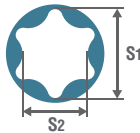
12425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

*1 Pin/O-Ring=A21/B21 → P255

12425 TORX® Sockets Vasos TORX®



TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

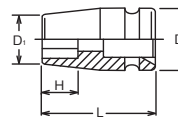
12460M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

*1 Pin/O-Ring=A21/B21 → P255

12460A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

12460M • 12460A

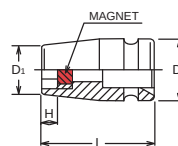
Sockets for Self-Tapping Screws
Vasos con Imán para Tornillos Autorroscantes



12460MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
12	17.9	13	8	30	41	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

*1 Pin/O-Ring=A21/B21 → P255

12460MG • 12460AG With Magnet for Self-Tapping Screws Con Imán para Tornillos Autorroscantes



Impact Sockets 1/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

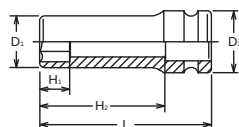
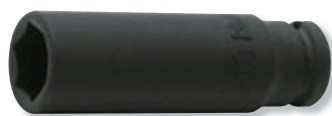
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

12300M 6-point Sockets, Deep Vasos Hexagonales Largos

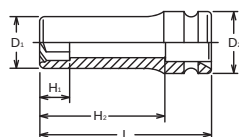


FLAT DRIVE®

12300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
6	10	13	6	38	48	26	10	*1
7	11.3	13	7	38	48	30	10	*1
8	12.5	13	8	38	48	32	10	*1
10	15	13	10	37	48	34	10	*1
11	16.3	13	11	37	48	46	10	*1
12	17.5	13	12	37	48	49	10	*1
13	18.8	13	13	37	48	52	10	*1
14	20	13	14	36	48	57	10	*1

*1 Pin/O-Ring=A21/B21 → P255

12365M Pathfinder Sockets, Deep Vasos Pathfinder (Guía) Largos

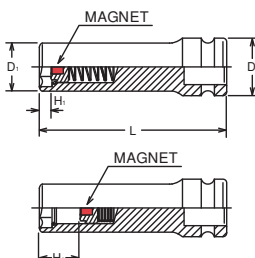


PATHFINDER®

12365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

*1 Pin/O-Ring=A21/B21 → P255

12300G Impact Socket with Sliding Magnet Vasos de Impacto con Imán Corredizo



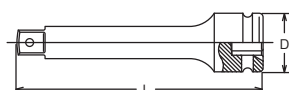
SLIDE MAGNET

12300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

*1 Pin/O-Ring=A21/B21 → P255

12760 Extension Bars Alargaderas

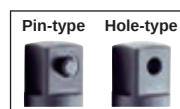
12760-P



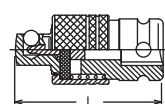
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
12760-55	Hole	13	55	26	10	*1
12760-75	Hole	13	75	45	10	*1
12760-100	Hole	13	100	50	10	*1
12760-150	Hole	13	150	60	10	*1

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
New 12760-55P	Pin	13	55	26	10	*1
New 12760-75P	Pin	13	75	45	10	*1
New 12760-100P	Pin	13	100	50	10	*1
New 12760-150P	Pin	13	150	60	10	*1
New 12760-200P	Pin	13	200	80	10	*1

*1 Pin/O-Ring=A21/B21 → P255



12222AL Adaptor (Quick Release) Adaptador (Extracción Rápida)

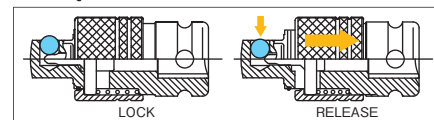


LOCKING ADAPTOR

	L (mm)	(g)	(pcs.)	
12222AL	35	30	10	*1

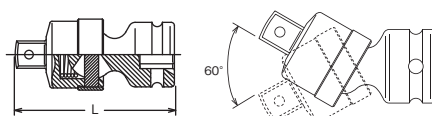
*1 Pin/O-Ring=A21/B21 → P255

Lock & Quick Release



⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

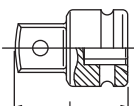
12770 Universal Joint Articulación Universal



	L (mm)	(g)	(pcs.)	
12770	39	30	10	*1

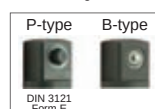
*1 Pin/O-Ring=A21/B21 → P255

12233A Adaptor Adaptador



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
12233A	1/4"	3/8"	22	15	10	*1
12233A-B	1/4"	3/8"	22	15	10	*1
12233A-P	1/4"	3/8"	22	15	10	*1

*1 Pin/O-Ring=A21/B21 → P255

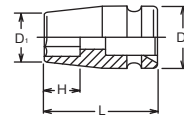


3/8" Impact Sockets



13400M • 13400A

6-point Sockets
Vasos Hexagonales



13400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
20	28.3	22	12	32	70	10	*2
21	29.5	22	12	32	71	10	*2
22	30.8	22	13	32	72	10	*2
23	32	22	13	32	75	10	*2
24	33.3	22	13	32	78	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

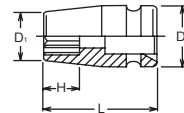
*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13405M • 13405A

12-point Sockets
Vasos Bihexagonales



13405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

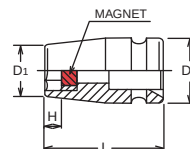
*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13400MG • 13400AG

6-point Sockets with Magnet
Vasos Hexagonales con Imán



13400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	2.4	32	46	10	*1
7	12	19	2.8	32	45	10	*1
8	13.3	19	3.5	32	45	10	*1
9	14.5	19	3.8	32	44	10	*1
10	15.8	19	4.2	32	49	10	*1
11	17	19	4.9	32	50	10	*1
12	18.3	19	5.6	32	55	10	*1
13	19.5	22	6	32	70	10	*2
14	20.8	22	6.4	32	76	10	*2
15	22	22	6.8	32	76	10	*2
16	23.3	22	7	32	88	10	*2
17	24.5	22	7.5	32	95	10	*2
18	25.8	22	7.8	32	105	10	*2
19	27	22	8	32	116	10	*2
21	29.5	22	8	32	125	10	*2
22	30.8	22	9.5	32	135	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13400AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	2.4	32	46	10	*1
5/16	13.3	19	3.5	32	45	10	*1
11/32	14.5	19	3.8	32	44	10	*1
3/8	15.8	19	4.2	32	49	10	*1
7/16	17	19	4.9	32	50	10	*1
1/2	19.5	22	6	32	70	10	*2
9/16	20.8	22	6.4	32	76	10	*2
5/8	23.3	22	7	32	88	10	*2
11/16	24.5	22	7.5	32	95	10	*2
3/4	27	22	8	32	116	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

Impact Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

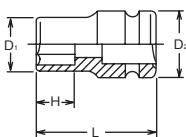
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

13401M • 13401A

6-point Socket, Thin Walled
Vasos Hexagonales de Pared Delgada



13401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P254-255

RS13401M/9

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=C31, Pin/O-Ring=A31/B31

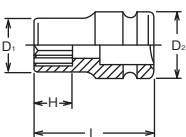
*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P254-255

RS13401M/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		505

13406M • 13406A

12-point Socket, Thin Walled
Vasos Bihexagonales de Pared Delgada



13406A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

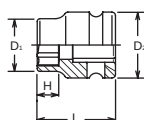
*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P254-255

13401MS

6-point Short Sockets, Thin-walled.
Vasos Hexagonales de Pared Delgada, Short



13406M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P254-255

13401MS (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
11	16	18.5	10	22	24	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2
15	20.9	21.5	10	25	38	10	*2
16	22.3	21.5	10	25	39	10	*2
17	23.5	21.5	10	25	41	10	*2
18	24.8	21.5	10	25	43	10	*2
19	26	21.5	10	25	44	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P254-255

RS13401MS/11

Socket Set on Rail
Juego de Vasos en Regleta



RS13401MS/11	11 Pieces Set/Rail 300mm	(g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		400

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=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P254-255

13465M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	13	32	63	10	*2
19	27	22	13	32	66	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P254-255

13425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
E11	13.2	19	8.7	32	43	10	*1
E12	14.2	19	9.3	32	43	10	*1
E14	17.2	19	10.6	32	44	10	*1
E16	18.2	19	11.8	32	42	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31

➔ P254-255

13425EG (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 8	11.7	19	5	32	54	10	*1
E10	12.2	19	5.5	32	52	10	*1
E12	14.2	19	6.5	32	53	10	*1
E14	17.2	19	7	32	54	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31

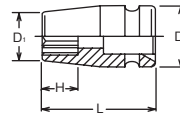
➔ P254-255

13425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8EPL	11.7	19	5.2	32	44	10	*1
10EPL	12.2	19	6.2	32	44	10	*1
12EPL	14.2	19	7.2	32	44	10	*1
14EPL	17.2	19	8.1	32	46	10	*1
16EPL	18.2	19	9.2	32	41	10	*1

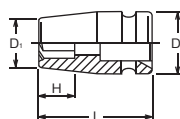
*1 C-Ring=C31, Pin/O-Ring=A31/B31

➔ P254-255

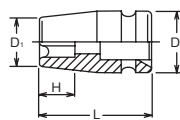
13410M Surface Drive Sockets Vasos Surface Drive (de Contacto Curvo)



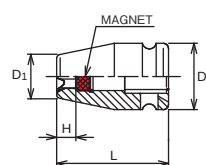
13465M Pathfinder Sockets Vasos Pathfinder (Guía)



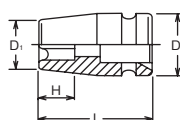
13425 TORX® Sockets Vasos TORX®



13425EG TORX® Sockets with Magnet Vasos TORX® con Imán



13425-EPL TORXPLUS® Sockets Vasos TORXPLUS®



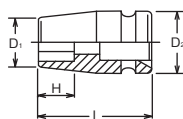
TORX is a registered trademark of Acument Intellectual Properties, LLC.
TORX es una marca registrada de Acument Intellectual Properties, LLC.

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Impact Sockets 3/8"

13460M • 13460A

For Self-Tapping Screws
Para Tornillos Autorroscantes



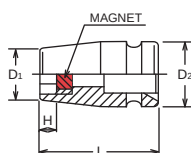
13460M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
12	19	19.2	9	32	48	10	*2
13	20.3	22	10	32	60	10	*2

13460A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	5	32	43	10	*1
3/8	16.6	19	7	32	45	10	*1
1/2	20.3	22	10	32	60	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P254-255

13460MG • 13460AG

Sockets with Magnets for Self-Tapping Screws
Vasos con Imán para Tornillos Autorroscantes



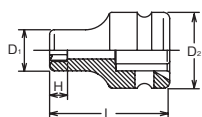
13460MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	2.4	32	44	10	*1
7	12.8	19	2.8	32	46	10	*1
8	14.1	19	3.5	32	48	10	*1
10	16.6	19	4.2	33	54	10	*1
13	20.3	22	6	34	81	10	*2

13460AG (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P254-255

13401LH

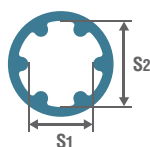
LHS Sockets
Vasos LHS



13401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5S	11	19	5	32	32	10	*1
6S	12.3	19	5.6	32	34	10	*1
8S	16	19	6.8	32	36	10	*1
10S	18.5	22	8	32	50	10	*2
12S	22.3	22	9.2	32	58	10	*2
14S	24.8	22	10.4	32	63	10	*2
16S	28.5	22	11.6	32	77	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P254-255

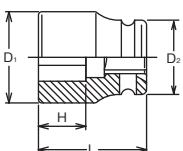
LHSTIX®



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
S ₂	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0

13400-WN

Weld Nut Sockets



13400-WN	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6WN	15.8	19	6	32	48	10	*1
8WN	18.3	19	8	32	48	10	*1
9WN	19.5	22	9	32	47	10	*2
10WN	20.8	22	10	32	65	10	*2
12WN	24.5	22	12	32	73	10	*2
14WN	27	22	14	32	79	10	*2
17WN	32	22	17	35	110	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P254-255

WN



WN	6WN	8WN	9WN	10WN	12WN	14WN	17WN
S	(ref. mm)	6	8	9	10	12	14

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

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

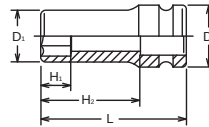
→ P254-255

RS13301X/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		710



FLAT DRIVE®

13301X 6-point Sockets, Semi-Deep Vasos Hexagonales Medianos de Pared Delgada



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
15	21.9	22	7	18	50	85	10	*2
16	23.2	22	7.5	20	50	114	10	*2
17	24.4	22	8	20	50	126	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

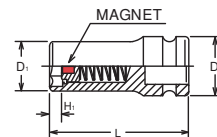
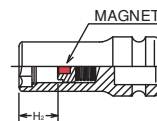
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

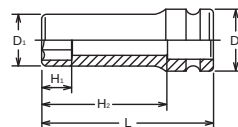


SLIDE MAGNET

13300XG Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo



13300M • 13300A 6-point Sockets, Deep Vasos Hexagonales Largos



13300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	66.5	80	77	10	*1
7	12	19	7	66.5	80	82	10	*1
8	13.3	19	8	66.5	80	82	10	*1
9	14.5	19	9	66.5	80	88	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
15	22	22	15	65.5	80	157	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	192	10	*2
20	28.3	22	20	64.5	80	224	10	*2
21	29.5	22	21	64.5	80	226	10	*2
22	30.8	22	22	63.5	80	231	10	*2
24	33.2	22	24	63.5	80	242	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	24.5	22	17	65.5	80	168	10	*2
3/4	27	22	19	64.5	80	192	10	*2
13/16	29.5	22	21	64.5	80	226	10	*2
7/8	30.8	22	22	63.5	80	231	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

Impact Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

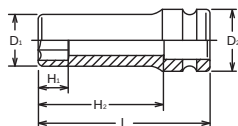
INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

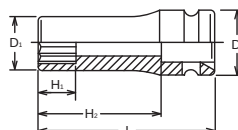
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO
CONSTRUCCIÓN

13301M • 13301A 6-point Deep Sockets, Thin Walled Vasos Hexagonales Largos de Pared Delgada



13301M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

13305M 12-point Sockets, Deep Vasos Bihexagonales Largos



13301A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
1/4	10	18.5	6	66.5	80	65	10	*1
5/16	12.3	18.5	8	66.5	80	68	10	*1
3/8	14.8	18.5	10	66.5	80	72	10	*1
7/16	16	18.5	11	66.5	80	80	10	*1
1/2	18.5	21.5	13	66.5	80	100	10	*2
9/16	19.8	21.5	14	66.5	80	110	10	*2
5/8	22.3	21.5	16	65.5	80	130	10	*2
11/16	23.5	21.5	17	65.5	80	136	10	*2
3/4	26	21.5	19	64.5	80	155	10	*2
13/16	28.5	21.5	21	64.5	80	181	10	*2
7/8	29.8	21.5	22	63.5	80	190	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔ P254-255

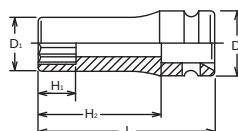
*2 C-Ring=C32, Pin/O-Ring=A32/B32

13305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	66.5	80	82	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
17	24.5	22	17	65.5	80	168	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔ P254-255

*2 C-Ring=C32, Pin/O-Ring=A32/B32

13306M 12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada

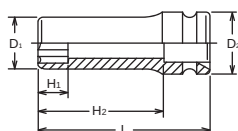


13306M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	8	66.5	80	68	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
17	23.5	21.5	17	66.5	80	136	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔ P254-255

*2 C-Ring=C32, Pin/O-Ring=A32/B32

13310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



13310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	190	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔ P254-255

*2 C-Ring=C32, Pin/O-Ring=A32/B32

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=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	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=C31, Pin/O-Ring=A31/B31

→ P254-255

13440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	5	57	115	10	*2
11	17	6	57	115	10	*2
12	18.3	6	57	115	10	*2
13	19.5	6	57	115	10	*2
14	20.8	7	59	120	10	*2
15	22	7	59	120	10	*2
16	23.3	8	59	120	10	*2
17	24.5	8	59	120	10	*2
18	25.8	9	61	126	10	*2
19	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

13440A (inch)	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

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13440T (E)	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=C32, Pin/O-Ring=A32/B32

→ P254-255

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=C32, Pin/O-Ring=A32/B32

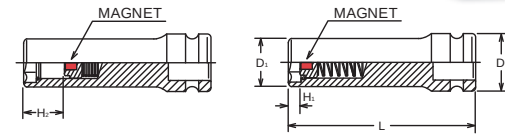
→ P254-255

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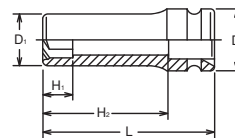
SLIDE MAGNET

13300G Impact Sockets with Sliding Magnet Vasos de Impacto con Imán Corredizo

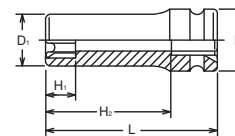


PATHFINDER®

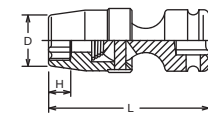
13365M Pathfinder Sockets deep Vasos Pathfinder (Guía) Largos



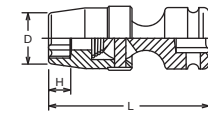
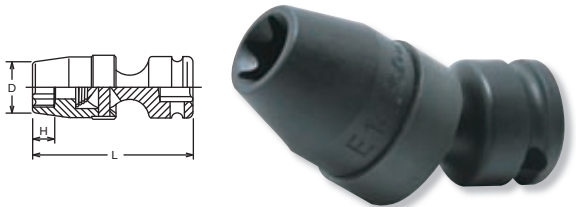
13325 TORX® Deep Sockets Vasos TORX® Largos



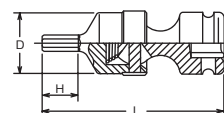
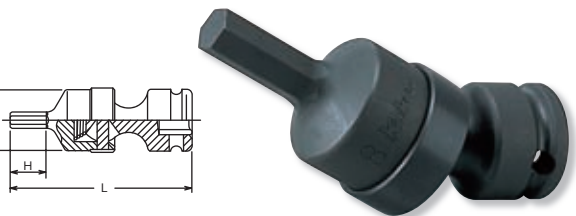
13440M • 13440A Universal Sockets Vasos con Articulación Universal



13440T TORX® Universal Sockets Vasos TORX® con Articulación Universal



13430M Universal Inhex Sockets Vasos Inhex con Articulación Universal



Impact Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

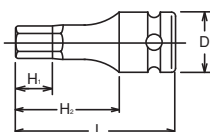
PROTECTOR
PROTECTORES

AUTOMOTIVE

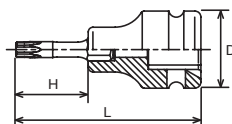
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

13012M-52 Inhex Sockets Vasos con Punta Hexagonal



13025-50 • -90 TORX® Bit Sockets Vasos con Punta TORX®



13025.50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	19	23.5	50	35	10	*1
T25	19	23.5	50	35	10	*1
T27	19	23.5	50	35	10	*1
T30	19	23.5	50	35	10	*1
T40	19	23.5	50	39	10	*1
T45	19	23.5	50	60	10	*1
T50	19	23.5	50	70	10	*1
T55	22	23.5	50	79	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13012M.52 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
3	18	10	34	52	33	10	*1
4	18	15.5	34	52	35	10	*1
5	18	15.5	34	52	35	10	*1
6	18	15.5	34	52	39	10	*1
7	18	15.5	34	52	44	10	*1
8	21	15.5	34	52	60	10	*2
10	21	15.5	34	52	70	10	*2
12	21	15.5	34	52	79	10	*2
14	21	15.5	34	52	92	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13025.90 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	19	63.5	90	43	10	*1
T25	19	63.5	90	45	10	*1
T27	19	63.5	90	47	10	*1
T30	19	63.5	90	50	10	*1
T40	19	63.5	90	58	10	*1
T45	19	63.5	90	66	10	*1
T50	19	63.5	90	80	10	*1
T55	22	63.5	90	120	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

RS13025/8-L50 Socket Set on Rail Juego de Vasos en Regleta



RS13025/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		380

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13134	24	22	32	70	10	*2

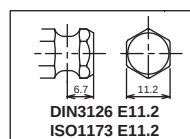
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

13134-SC

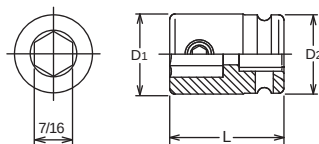
Replacement Screw : M8×6, ● 4mm

For
DIN3126 / ISO1173 E11.2 Bits

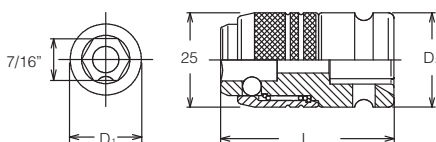


F11.2

13134 Impact Bit Holder Porta-punta de Impacto



13142-F11.2 Impact Bit Holder (Quick Release) Porta-punta de Impacto (Extracción Rápida)

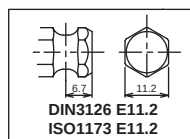


	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	18.9	22	46	116	10	*2

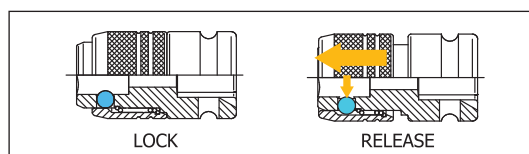
*2 C-Ring=C32, Pin/O-Ring=A32/B32

→ P254-255

For
DIN3126 / ISO1173 E11.2 Bits



F11.2

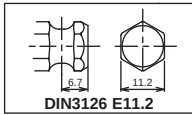


 You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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3/8" Impact Sockets

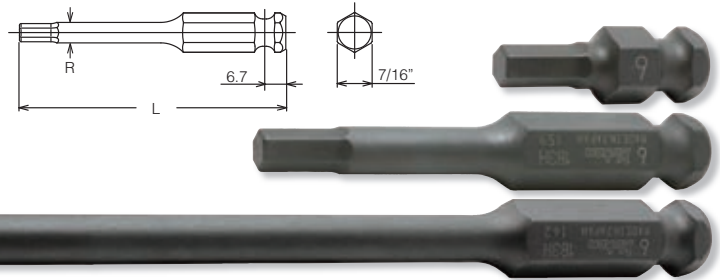
183H.35 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10



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
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

183H-35 · -75 · -150

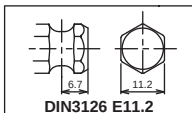
Hex Bits
Puntas Hexagonales



183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6.0	34	10
4	75	6.0	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

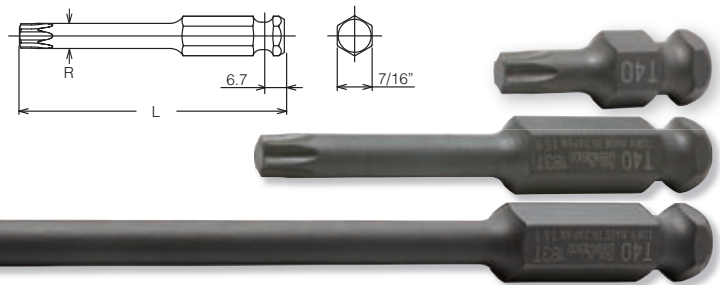
183H.150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6.0	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

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-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®



183T.75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	75	6.0	35	10
T40	75	6.9	37	10
T45	75	8.0	41	10
T50	75	9.0	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

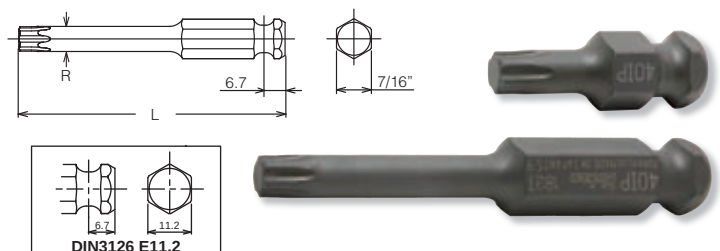
183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6.0	50	10
T40	150	6.9	58	10
T45	150	8.0	70	10
T50	150	9.0	82	10
T55	150	11.4	113	10

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	6.0	35	10
40IP	75	6.8	37	10
45IP	75	8.0	41	10
50IP	75	9.0	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

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Impact Sockets 3/8"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

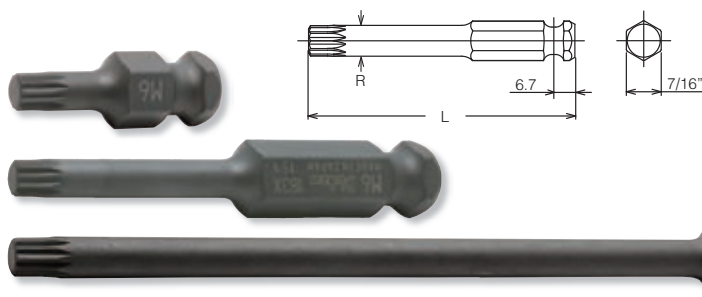
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

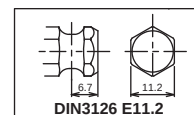
183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN



183X-75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6.0	34	10
M 5	75	6.0	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10



183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6.0	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

The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

13134M-52 · -92

Hex Bit Sockets
Vasos con Punta Hexagonal



13134M-52/-92 (mm)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(V)
3	22	20	60	6	85	104	10	*2
4	22	20	60	6	85	105	10	*2
5	22	20	60	6.5	85	106	10	*2
6	22	20	60	7.5	88	109	10	*2
8	22	20	60	9.5	90	117	10	*2
10	22	20	60	-	96	127	10	*2
12	22	20	60	-	100	135	10	*2
14	22	20	60	-	105	149	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➔ P254-255

13134T-52 · -92 (T)

TORX® Bit Sockets
Vasos con Punta TORX®



13134T-52/-92 (T)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(V)
T30	22	20	60	6	88	105	10	*2
T40	22	20	60	6.9	90	107	10	*2
T45	22	20	60	8	92	111	10	*2
T50	22	20	60	9	96	115	10	*2
T55	22	20	60	11.4	100	125	10	*2
T60	22	20	60	13.5	108	137	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➔ P254-255

13134T-52 · -92 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®



13134T-52/-92 (IP)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(V)
30IP	22	20	60	6	88	105	10	*2
40IP	22	20	60	6.8	90	107	10	*2
45IP	22	20	60	8	92	111	10	*2
50IP	22	20	60	9	96	115	10	*2
55IP	22	20	60	11.4	100	126	10	*2
60IP	22	20	60	13.5	108	139	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➔ P254-255

13134X-52 · -92 (XZN)

XZN Bit Sockets
Vasos con Punta XZN



13134X-52/-92 (XZN)	D (mm)	H(L=52) (mm)	H(L=92) (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	(V)
M 5	22	20	60	6	88	104	10	*2
M 6	22	20	60	6.2	90	106	10	*2
M 8	22	20	60	7.4	92	109	10	*2
M10	22	20	60	9.8	96	124	10	*2
M12	22	20	60	11.7	100	129	10	*2
M14	22	20	60	13.5	108	139	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➔ P254-255

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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.

13145M.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	13.3	19	8	100	90	1	*1
10	15.8	19	10	100	92	1	*1
12	18.3	19	12	100	100	1	*1
13	19.5	19	13	100	108	1	*1
14	20.8	19	14	100	112	1	*1
17	24.5	19	17	100	140	1	*1

13145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	150	105	1	*1
8	13.3	19	8	150	110	1	*1
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1
13	19.5	19	13	150	137	1	*1
14	20.8	19	14	150	146	1	*1
15	22	19	15	150	155	1	*1
17	24.5	19	17	150	163	1	*1

13145M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	200	136	1	*1
8	13.3	19	8	200	141	1	*1
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1
13	19.5	19	13	200	168	1	*1
14	20.8	19	14	200	177	1	*1
15	22	19	15	200	186	1	*1
17	24.5	19	17	200	194	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

13145MG.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	13.3	19	3.5	100	90	1	*1
10	15.8	19	4.2	100	93	1	*1
12	18.3	19	5.6	100	105	1	*1
13	19.5	19	6	100	115	1	*1
14	20.8	19	6.4	100	120	1	*1

13145MG.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	13.3	19	3.5	150	120	1	*1
10	15.8	19	4.2	150	125	1	*1
12	18.3	19	5.6	150	136	1	*1
13	19.5	19	6	150	145	1	*1
14	20.8	19	6.4	150	150	1	*1

13145MG.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	4.2	200	182	1	*1
12	18.3	19	5.6	200	190	1	*1
13	19.5	19	6	200	208	1	*1
14	20.8	19	6.4	200	225	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

13145M.100 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	100	91	1	*1
12	18.3	19	12	100	100	1	*1

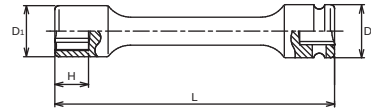
13145M.150 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1

13145M.200 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

13145M-100 · -150 · -200 · -250

Extra Long Sockets
Vasos Extra-Largos

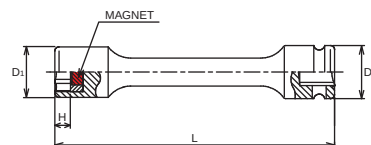


13145M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	250	167	1	*1
8	13.3	19	8	250	172	1	*1
10	15.8	19	10	250	182	1	*1
12	18.3	19	12	250	190	1	*1
13	19.5	19	13	250	199	1	*1
14	20.8	19	14	250	208	1	*1
15	22	19	15	250	217	1	*1
17	24.5	19	17	250	225	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

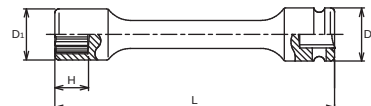
13145MG-100 · -150 · -200

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



13146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos Extra Largo con Articulación Universal



13146M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	12	19	6	150	128	1	*1
10	14.3	19	7	150	131	1	*1
12	18	19	8	150	133	1	*1
13	19.3	19	8.5	150	132	1	*1
14	20	19	9	150	132	1	*1

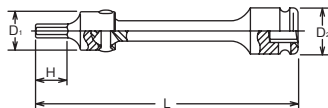
13146M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	12	19	6	200	159	1	*1
10	14.3	19	7	200	162	1	*1
12	18	19	8	200	164	1	*1
13	19.3	19	8.5	200	163	1	*1
14	20	19	9	200	163	1	*1

13146M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	12	19	6	250	190	1	*1
10	14.3	19	7	250	193	1	*1
12	18	19	8	250	195	1	*1
13	19.3	19	8.5	250	194	1	*1
14	20	19	9	250	194	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

13147M-150 · -200

Extra Long Universal Inhex Sockets
Vasos Inhex Extra Largos con Articulación Universal



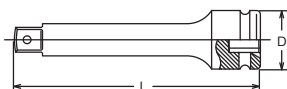
13147M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
4	21	19	15	150	125	1	*1
5	21	19	15	150	128	1	*1
6	21	19	15	150	132	1	*1
8	21	19	15	150	136	1	*1
10	21	19	15	150	140	1	*1

13147M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(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=C31, Pin/O-Ring=A31/B31 → P254-255

13760 13760-P

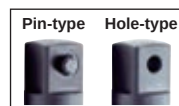
Extension Bars
Alargaderas



	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
13760-50	Hole	22	50	70	10	*2
13760-75	Hole	22	75	95	10	*2
13760-100	Hole	22	100	115	10	*2
13760-125	Hole	22	125	140	5	*2
13760-150	Hole	22	150	165	5	*2
13760-200	Hole	22	200	215	5	*2
13760-250	Hole	22	250	260	5	*2

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
13760-50P	Pin	22	50	70	10	*2
13760-75P	Pin	22	75	95	10	*2
13760-100P	Pin	22	100	115	10	*2
13760-125P	Pin	22	125	140	5	*2
13760-150P	Pin	22	150	165	5	*2
13760-200P	Pin	22	200	215	5	*2
13760-250P	Pin	22	250	260	5	*2

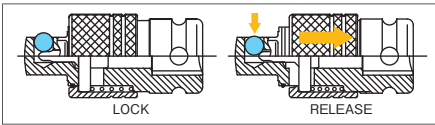
*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P254-255



	L (mm)	(g)	(pcs.)	
13333AL	45	62	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

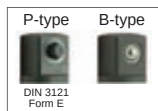
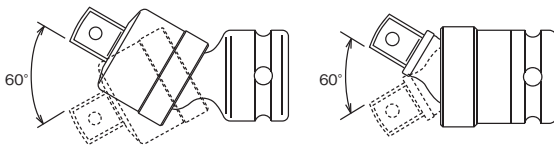
Lock & Quick Release



⚠ 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	*2
13770-B	56	110	10	*2
13770-P	56	110	10	*2
13771	48	92	10	*2
13771-B	48	92	10	*2
13771-P	48	92	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P254-255



	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13772-B	22	19	75	120	5	*1
13772-P	22	19	75	120	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

⚠ 13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13322A	3/8"	1/4"	27	25	10	*1
13322A-B	3/8"	1/4"	27	25	10	*1
13322A-P	3/8"	1/4"	27	25	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

⚠ Adapting down from bigger square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13344A	3/8"	1/2"	32.5	53	10	*2
13344A-B	3/8"	1/2"	32.5	53	10	*2
13344A-P	3/8"	1/2"	32.5	53	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P254-255

13241M 11 Pieces Set/△=850g

METAL CASE:W240×H30×T35mm

Sockets

13400M 6-pt. Sockets
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

13242M 11 Pieces Set/△=1,140g

METAL CASE:W310×H90×T48mm

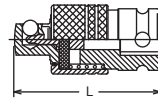
Sockets

13400M 6-pt. Sockets
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

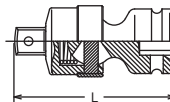


LOCKING ADAPTOR

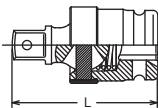
13333AL Adaptor (Quick Release)
Adaptador (Extracción Rápida) **⚠**



13770 Universal Joint
Articulación Universal

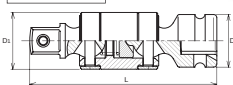


13771 Universal Joint
Articulación Universal

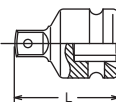


UNIVERSAL DOUBLE JOINT

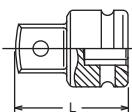
13772 Universal Double Joint
Articulación Universal **⚠**



13322A Adaptor
Adaptador **⚠**



13344A Adaptor
Adaptador



13241M Socket Set
Juego de Vasos



13242M Socket Set
Juego de Vasos



Impact Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

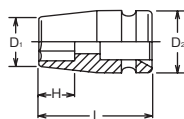
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

14400M • 14400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

14400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
19/32	23.2	30	11	38	130	10	*2
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

➔ P254-255

*2 C-Ring=C42, Pin/O-Ring=A42/B42

14400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	85	10	*1
12	19.5	25	9	38	85	10	*1
13	20.7	25	10	38	85	10	*1
14	22	25	10	38	85	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	130	10	*2
17	25.7	30	12	38	130	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	135	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
33	45.7	30	19	46	260	5	*2
34	47	30	19	46	263	5	*2
35	48.2	30	19	46	275	5	*2
36	49.5	30	20	46	285	5	*2
38	52	30	20	53	360	5	*2
41	55.7	30	21	55	411	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

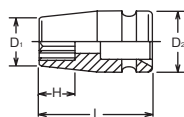
➔ P254-255

*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

*1 C-Ring=C41, Pin/O-Ring=A41/B41

➔ P254-255

*2 C-Ring=C42, Pin/O-Ring=A42/B42

14405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	84	10	*1
12	19.5	25	9	38	84	10	*1
13	20.7	25	10	38	84	10	*1
14	22	25	10	38	84	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	127	10	*2
17	25.7	30	12	38	128	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	132	10	*2
24	34.5	30	14	38	133	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	157	10	*2
28	39.5	30	16	40	170	10	*2
30	42	30	17	42	190	10	*2
32	44.5	30	18	42	216	10	*2
36	49.5	30	20	46	285	5	*2
41	55.7	30	21	55	411	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

➔ P254-255

*2 C-Ring=C42, Pin/O-Ring=A42/B42

1/2" Impact Sockets

14401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
35	46.7	29	19	46	250	5	*2
36	48	29	20	46	264	5	*2
38	50.5	29	20	53	316	5	*2
41	54.2	29	21	55	374	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

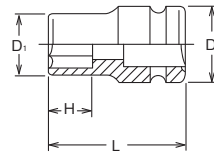
→ P254-255

RS14401M/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,010



14401M • 14401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



14401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255



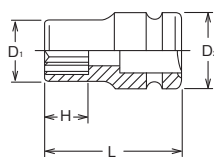
RS14401M/10

Socket Set on Rail
Juego de Vasos en Regleta



14406M • 14406A

12-point Sockets, Thin Walled
Vasos Bihexagonales de Pared Delgada



14406M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

Impact Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

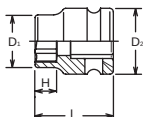
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

14401MS 6-point Short Sockets, Thin-walled. Vasos Hexagonales de Pared Delgada, Short



14401MS (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	24	4.5	23	41	10	*1
12	18	24	5.5	24	42	10	*1
13	19.2	24	6.5	25	43	10	*1
14	20.5	24	6.5	25	43	10	*1
15	21.7	29	7.5	26	70	10	*2
16	23	29	7.5	26	73	10	*2
17	24.2	29	7.5	26	76	10	*2
18	25.5	29	7.5	26	78	10	*2
19	26.7	29	9.5	28	79	10	*2
21	29.2	29	10	28.5	79	10	*2
22	30.5	29	10	28.5	84	10	*2
24	33	29	10	28.5	87	10	*2
27	36.7	29	10	28.5	100	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

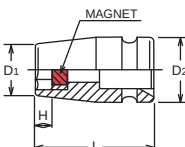
➔ P254-255

RS14401MS/10 Socket Set on Rail Juego de Vasos en Regleta



RS14401MS/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		740

14400MG 6-point Sockets with Magnet Vasos Hexagonales con Imán



14400MG (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	8	38	165	10	*2

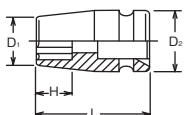
*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P254-255

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
23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	134	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
34	47	30	19	46	263	5	*2
36	49.5	30	20	46	263	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ 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

14465M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

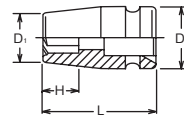
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255



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.

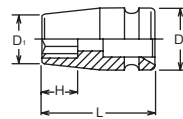
Los vasos GUÍA son ideales para su utilización con herramientas mecánicas en procesos de montaje automáticos, ya que no es necesario que la herramienta esté completamente parada para acoplar el vaso a la tuerca.

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=C42, Pin/O-Ring=A42/B42

→ P254-255

14415M Double Square Sockets Vasos Octagonales



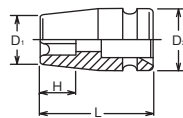
14425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	38	89	10	*1
E20	24.2	30	14.4	38	134	10	*2
E22	26.2	30	15.5	40	140	10	*2
E24	28.2	30	17	40	138	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

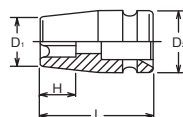
→ P254-255

14425 TORX® Sockets Vasos TORX®



14425-EPL TORXPLUS® Sockets Vasos TORXPLUS®

TORXplus®



14425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10EPL	14.5	25	6.2	38	86	10	*1
12EPL	17	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	20.7	25	9.1	38	88	10	*1
18EPL	22	25	10.2	40	90	10	*1
20EPL	24.5	30	11.2	42	135	10	*2

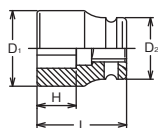
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

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=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

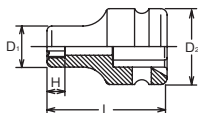
→ P254-255

WN



WN	6WN	8WN	9WN	10WN	12WN	14WN	17WN
S (ref. mm)	6	8	9	10	12	14	17

14401LH LHS Sockets Vasos LHS



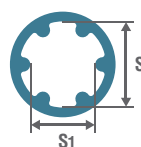
14401LH (LH-S)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6S	13	25	5.6	38	65	10	*1
8S	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
14S	25.5	30	10.4	38	121	10	*2
16S	29.2	30	11.6	38	128	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

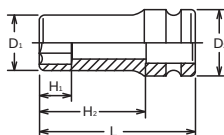
→ P254-255

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=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

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

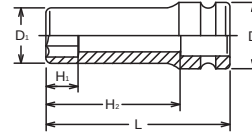
1/2" Impact Sockets



FLAT DRIVE®

14300M • 14300A

6-point Deep Sockets
Vasos Hexagonales Largos



14300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
8	14.5	25	8	62	80	137	10	*1
9	15.7	25	9	62	80	138	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	240	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
25	35.7	30	25	65	85	345	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	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=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

14300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	259	10	*2
13/16	30.7	30	21	61	80	265	10	*2
7/8	32	30	22	65	85	290	10	*2
15/16	34.5	30	24	65	85	329	10	*2
1	35.7	30	25	65	85	345	10	*2
1. 1/16	38.2	30	27	64	85	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=C41, Pin/O-Ring=A41/B41

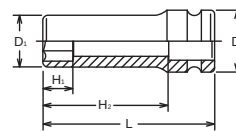
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255



14301M • 14301A

6-point Deep Sockets, Thin-walled
Vasos Hexagonales Largos de Pared Delgada



14301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
8	13	24	8	62	80	87	10	*1
9	14.2	24	9	62	80	92	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
20	28	29	20	61	80	203	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
23	31.7	29	23	65	85	253	10	*2
24	33	29	24	65	85	261	10	*2
25	34.2	29	25	65	85	282	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
28	38	29	29	64	85	273	10	*2
29	39.2	29	29	63	85	280	10	*2
30	40.5	29	30	63	85	360	10	*2
31	41.7	29	31	63	85	370	10	*2
32	43	29	32	63	85	380	10	*2
34	45.5	29	34	62	85	411	2	*2
35	46.7	29	35	62	85	450	2	*2
36	48	29	36	61	85	460	2	*2
38	50.5	29	38	61	85	508	2	*2
41	54.2	29	38	60	85	552	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

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

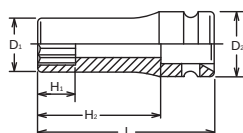
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

Impact Sockets 1/2"

14305M 12-point Deep Sockets Vasos Bihexagonales Largos

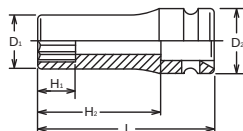


14305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
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=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

14306M 12-point Deep Sockets, Thin-Walled Vasos Bihexagonales Largos de Pared Delgada



14306M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	88	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	105	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
24	33	29	24	65	85	261	10	*2
26	35.5	29	26	64	85	290	10	*2
27	36.7	29	27	64	85	314	10	*2
30	40.5	29	30	63	85	360	10	*2
32	43	29	32	63	85	380	10	*2

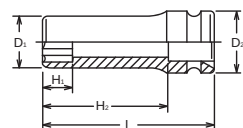
*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

14310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



SURFACE DRIVE



14310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	252	10	*2
20	29.5	30	20	61	80	260	10	*2
21	30.7	30	21	61	80	260	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	322	10	*2
25	35.7	30	25	65	85	338	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	380	10	*2
28	39.5	30	28	64	85	390	10	*2
30	42	30	30	63	85	450	10	*2
32	44.5	30	32	63	85	535	10	*2
34	47	30	34	62	85	563	2	*2
36	49.5	30	36	61	85	630	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ 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

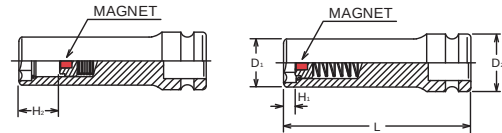
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255



14300G Impact Socket with Sliding Magnet



14365M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	62	80	138	10	*1
11	18.2	25	8	62	80	144	10	*1
12	19.5	25	9	62	80	165	10	*1
13	20.7	25	9	62	80	170	10	*1
14	22	25	11	62	80	178	10	*1
15	23.2	30	11	62	80	237	10	*2
16	24.5	30	11	62	80	245	10	*2
17	25.7	30	12	62	80	263	10	*2
18	27	30	13	62	80	268	10	*2
19	28.2	30	13	61	80	270	10	*2
20	29.5	30	14	61	80	274	10	*2
21	30.7	30	14	61	80	287	10	*2
22	32	30	15	65	85	314	10	*2
23	33.2	30	15	65	85	320	10	*2
24	34.5	30	15	65	85	335	10	*2
26	37	30	15	64	85	388	10	*2
27	38.2	30	16	64	85	407	10	*2

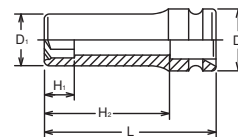
*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255



14365M Pathfinder Sockets, Deep



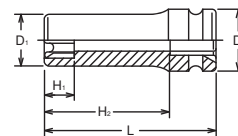
14325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	62	80	136	10	*1
E12	15.2	25	9.3	62	80	141	10	*1
E14	18.2	25	10.6	62	80	147	10	*1
E16	19.2	25	11.8	62	80	151	10	*1
E18	22.2	25	13	62	80	218	10	*1
E20	24.2	30	14.4	62	80	225	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

14325 TORX® Deep Sockets



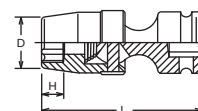
14440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
13	20.7	6	67.5	210	10	*2
14	22	7	69.5	210	10	*2
15	23.2	7	69.5	210	10	*2
16	24.5	8	69.5	206	10	*2
17	25.7	8	69.5	220	10	*2
18	27	9	69.5	218	10	*2
19	28.2	10	73.5	260	10	*2
20	29.5	10	73.5	270	10	*2
21	30.7	11	73.5	280	10	*2
22	32	13	73.5	290	10	*2
24	34.5	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=C42, Pin/O-Ring=A42/B42

→ P254-255

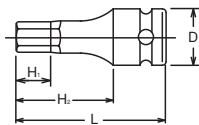
14440M • 14440A Universal Sockets



14012M-60



Inhex Sockets
Vasos Inhex



RS14012M/10-L60



Socket Set on Rail
Juego de Vasos en Regleta



14012M.60 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
4	25	15.5	38	60	68	10	*1
5	25	15.5	38	60	71	10	*1
6	25	15.5	38	60	74	10	*1
7	25	15.5	38	60	80	10	*1
8	25	15.5	38	60	84	10	*1
10	30	15.5	38	60	140	10	*2
12	30	15.5	38	60	150	10	*2
14	30	15.5	38	60	170	10	*2
16	30	15.5	38	60	180	10	*2
17	30	15.5	38	60	190	10	*2
19	30	15.5	38	60	210	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

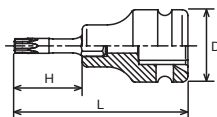
→ P254-255

RS14012M/10-L60	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,300

14025-60 • -100



TORX® Bit Sockets
Vasos con Punta TORX®



14025.100 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T30	25	73.5	100	85	10	*1
T40	25	73.5	100	95	10	*1
T45	25	73.5	100	102	10	*1
T50	25	73.5	100	120	10	*1
T55	25	73.5	100	155	10	*1
T60	30	73.5	100	220	10	*2

14025.60 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	25	23.5	60	75	10	*1
T25	25	23.5	60	75	10	*1
T27	25	23.5	60	75	10	*1
T30	25	23.5	60	80	10	*1
T40	25	23.5	60	85	10	*1
T45	25	23.5	60	85	10	*1
T50	25	23.5	60	95	10	*1
T55	25	23.5	60	110	10	*1
T60	30	23.5	60	160	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

→ P254-255

RS14025/6-L60	6 Pieces Set/Rail 200mm	(g)
T30, T40, T45, T50, T55, T60		650

RS14025/6-L60



Socket Set on Rail
Juego de Vasos en Regleta



	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14134	24	25	38	90	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41

→ P254-255

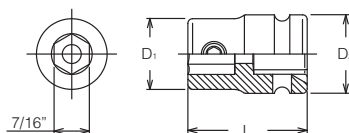
13134-SC

Replacement Screw : M8×6, ● 4mm

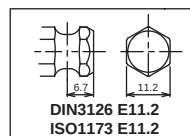
14134



Impact Bit Holder
Porta-punta de Impacto



For
DIN3126 / ISO1173 E11.2 Bits

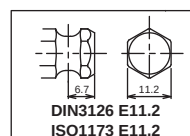


	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14142-F11.2	18.9	25	46	207	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41

→ P254-255

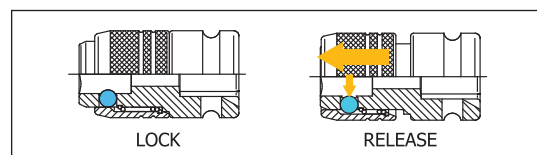
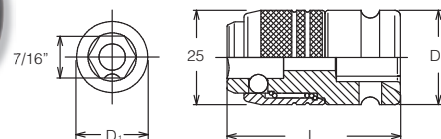
For
DIN3126 / ISO1173 E11.2 Bits



14142-F11.2



Impact Bit Holder (Quick Release)
Porta-punta de Impacto (Extracción Rápida) ⚠

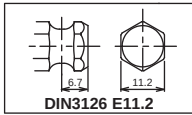


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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1/2" Impact Sockets

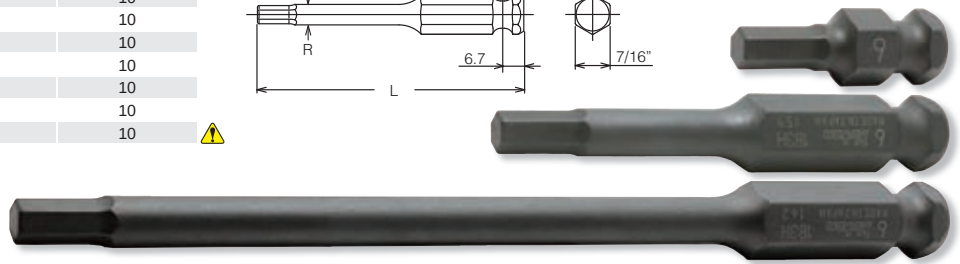
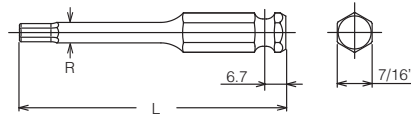
183H.35 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10



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
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

183H-35 · -75 · -150

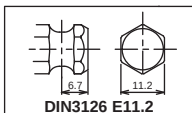
Hex Bits
Puntas Hexagonales



183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6.0	34	10
4	75	6.0	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

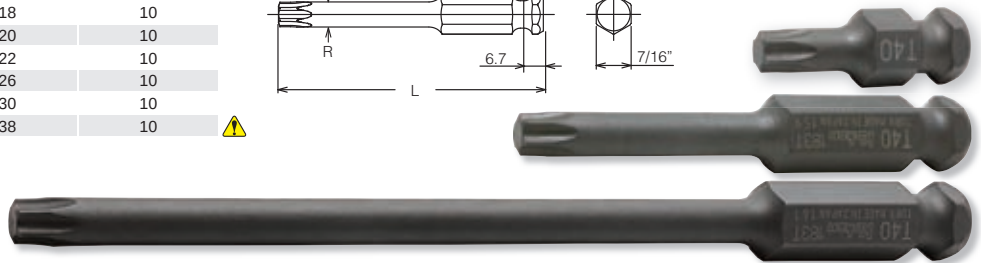
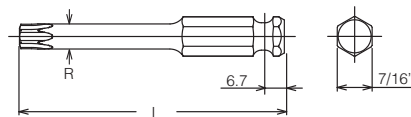
183H.150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6.0	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

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-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®



183T.75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	75	6.0	35	10
T40	75	6.9	37	10
T45	75	8.0	41	10
T50	75	9.0	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

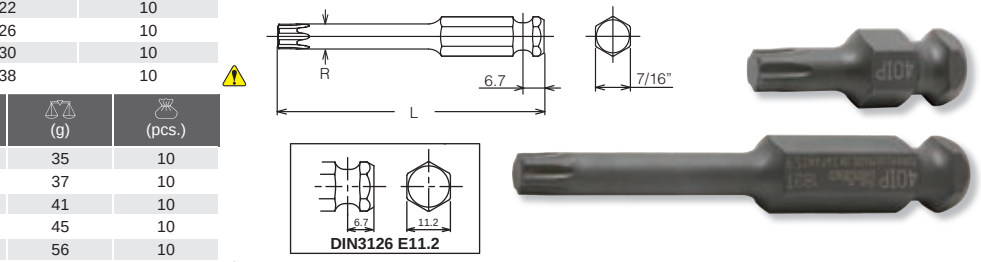
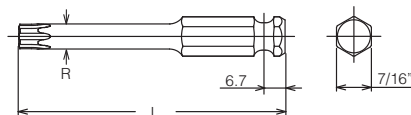
183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6.0	50	10
T40	150	6.9	58	10
T45	150	8.0	70	10
T50	150	9.0	82	10
T55	150	11.4	113	10

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	6.0	35	10
40IP	75	6.8	37	10
45IP	75	8.0	41	10
50IP	75	9.0	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

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Impact Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

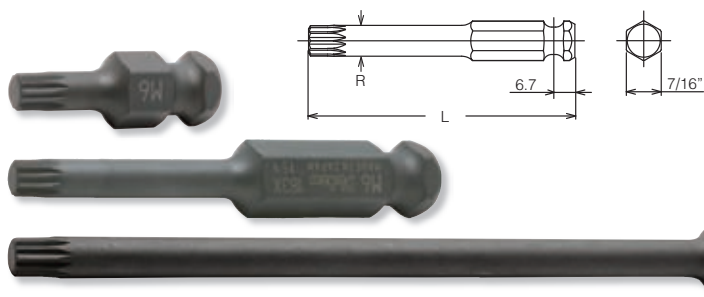
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

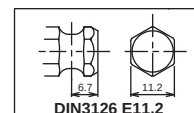
212

183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN



183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	
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	6.0	34	10
M 5	75	6.0	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	6.0	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



The items with ⚠ have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

14134M-58 · -98

Hex Bit Sockets
Vasos con Punta Hexagonal



14134M-58/-98 (mm)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
3	25	20	60	6	105	124	10	5	*1
4	25	20	60	6	105	125	10	5	*1
5	25	20	60	6.5	105	126	10	5	*1
6	25	20	60	7.5	108	129	10	5	*1
8	25	20	60	9.5	110	137	10	5	*1
10	25	20	60	-	116	147	10	5	*1
12	25	20	60	-	120	155	10	5	*1
14	25	20	60	-	125	169	10	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

14134T-58 · -98 (T)

TORX® Bit Sockets
Vasos con Punta TORX®

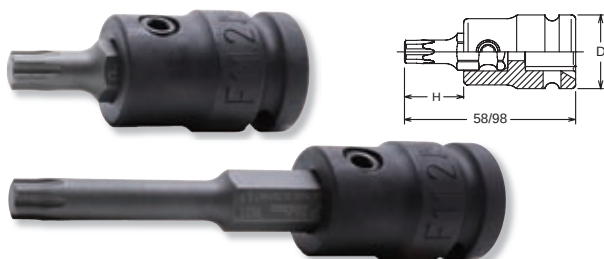


14134T-58/-98 (T)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
T30	25	20	60	6	108	125	10	5	*1
T40	25	20	60	6.9	110	127	10	5	*1
T45	25	20	60	8	112	131	10	5	*1
T50	25	20	60	9	116	135	10	5	*1
T55	25	20	60	11.4	120	145	10	5	*1
T60	25	20	60	13.5	128	157	10	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

14134T-58 · -98 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®



14134T-58/-98 (IP)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
30IP	25	20	60	6	108	125	10	5	*1
40IP	25	20	60	6.8	110	127	10	5	*1
45IP	25	20	60	8	112	131	10	5	*1
50IP	25	20	60	9	116	135	10	5	*1
55IP	25	20	60	11.4	120	146	10	5	*1
60IP	25	20	60	13.5	128	159	10	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

14134X-58 · -98 (XZN)

XZN Bit Sockets
Vasos con Punta XZN



14134X-58/-98 (XZN)	D (mm)	H (L=58) (mm)	H (L=98) (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	(1)
M 5	25	20	60	6	108	124	10	5	*1
M 6	25	20	60	6.2	110	126	10	5	*1
M 8	25	20	60	7.4	112	129	10	5	*1
M10	25	20	60	9.8	116	144	10	5	*1
M12	25	20	60	11.7	120	149	10	5	*1
M14	25	20	60	13.5	128	159	10	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

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	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14106	28	30	43	160	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➡ P254-255

14106-SC

Replacement Screw : M6x8, 3mm

107.16 (mm)	L (mm)	(g)	(pcs.)	
10	40	46	10	
12	40	52	10	
13	40	56	10	
14	40	60	10	
16	40	69	10	
17	40	73	10	⚠
18	40	78	10	⚠
19	40	80	10	⚠
22	40	97	10	⚠

107.16 (inch)	L (mm)	(g)	(pcs.)	
3/8	40	45	10	
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.)	
New T50	50	50	10	
T55	50	57	10	
T60	50	64	10	
T70	50	73	10	

107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)	
New T50	100	9	100	10	
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	

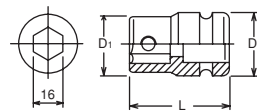
107.16 (XZN)	L (mm)	(g)	(pcs.)	
M14	60	83	10	
M16	60	93	10	
M18	60	103	10	

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	

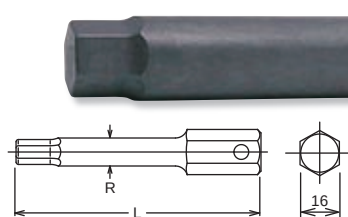
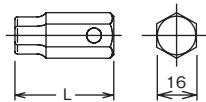
⚠ The items with ⚠ have larger output size than 16mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

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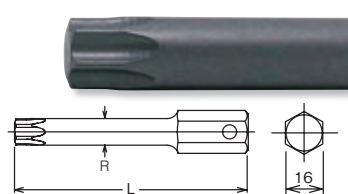
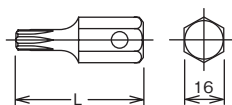
14106 Bit Holder for 107-16 Porta Punta



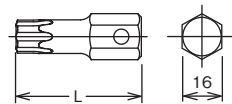
107-16 Bits for Inhex screws Puntas para Tornillos Inhex



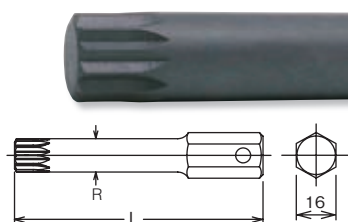
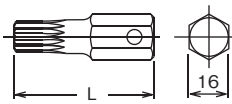
107-16 (T) TORX® Bits Puntas TORX®



107-16 (IP) TORXPLUS® Bits Puntas TORXPLUS®

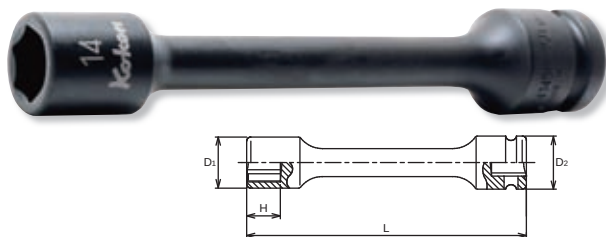


107-16 (XZN) XZN Bits Puntas XZN



14145M-100 • -150 • 200 • -250

Extra Long Sockets
Vasos Bihexagonales, Extra-Largos



14145M.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25	19	200	311	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P254-255

14145M.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	100	155	1	*1
12	19.5	25	12	100	165	1	*1
14	22	25	14	100	180	1	*1
17	25.7	25	17	100	210	1	*1
19	28.2	25	19	100	230	1	*1

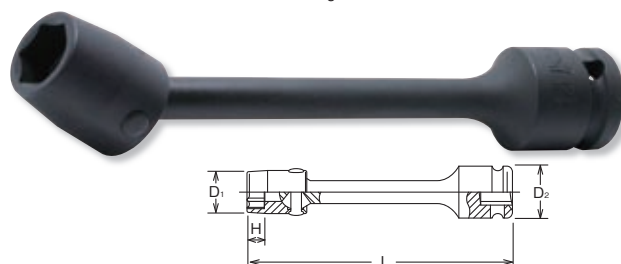
14145M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

14145M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	250	278	1	*1
12	19.5	25	12	250	292	1	*1
13	20.7	25	13	250	304	1	*1
14	22	25	14	250	316	1	*1
15	23.2	25	15	250	328	1	*1
16	24.5	25	16	250	335	1	*1
17	25.7	25	17	250	341	1	*1
18	27	25	18	250	350	1	*1
19	28.2	25	19	250	355	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ 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)	(pce.)	
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	200	254	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P254-255

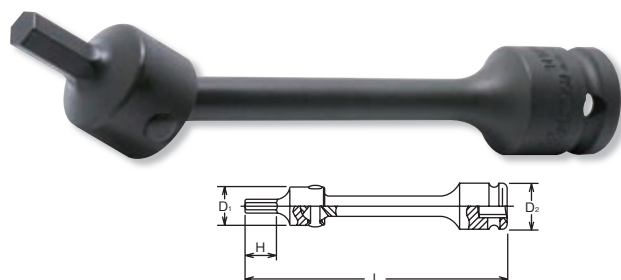
14146M.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	150	197	1	*1
12	19.3	25	7.5	150	200	1	*1
13	20	25	8	150	201	1	*1
14	21	25	8.5	150	203	1	*1
15	22	25	9	150	201	1	*1
16	23	25	9.5	150	200	1	*1
17	25	25	9.5	150	200	1	*1
18	26	25	11	150	210	1	*1
19	28	25	11.5	150	210	1	*1

14146M.250 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ 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)	(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)	(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

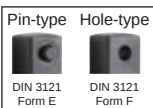
*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P254-255

1/2" Impact Sockets

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
14760-50	Hole	30	50	150	10	*2
14760-75	Hole	30	75	188	10	*2
14760-100	Hole	30	100	240	10	*2
14760-125	Hole	30	125	275	5	*2
14760-150	Hole	30	150	300	5	*2
14760-175	Hole	30	175	358	5	*2
14760-200	Hole	30	200	405	5	*2
14760-250	Hole	30	250	480	1	*2

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
New 14760-50P	Pin	30	50	150	10	*2
New 14760-75P	Pin	30	75	188	10	*2
New 14760-100P	Pin	30	100	240	10	*2
New 14760-125P	Pin	30	125	275	5	*2
New 14760-150P	Pin	30	150	300	5	*2
New 14760-175P	Pin	30	175	358	5	*2
New 14760-200P	Pin	30	200	405	5	*2
New 14760-250P	Pin	30	250	480	1	*2

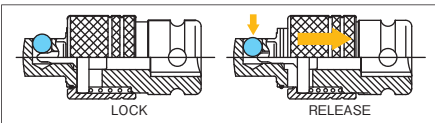
*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔ P254-255



	L (mm)	(g)	(pcs.)	
14444AL	60	128	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔ P254-255

Lock & Quick Release



⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

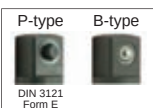
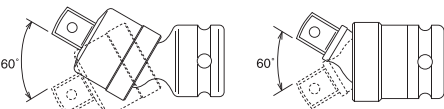
	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
New 14466AL	1/2"	3/4"	75	460	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔ P254-255

⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

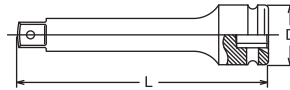
	L (mm)	(g)	(pcs.)	
14770	74	210	5	*2
14770-B	74	210	5	*2
14770-P	74	210	5	*2
14771	65	198	5	*2
14771-B	65	198	5	*2
14771-P	65	198	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔ P254-255



14760 14760-P

Extension Bars
Alargaderas

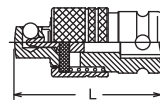


14444AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

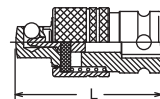


LOCKING
ADAPTOR



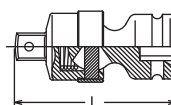
14466AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)



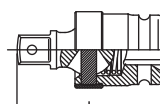
14770

Universal Joint
Articulación Universal



14771

Universal Joint
Articulación Universal



Impact Sockets 1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

14772 Universal Double Joint

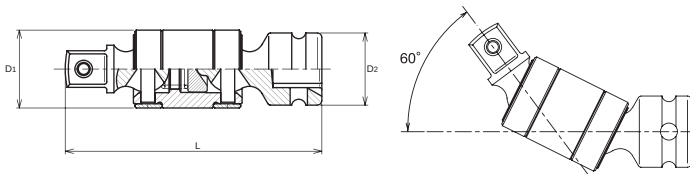


UNIVERSAL
DOUBLE JOINT

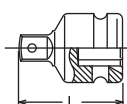
	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14772-B	27	25	90	230	5	*1
14772-P	27	25	90	230	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

 13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.



14433A Adaptor



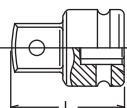
P-type B-type
DIN 3121
Form E

	(sq.)	(sq.)	L (mm)	(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=C41, Pin/O-Ring=A41/B41 → 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 14466A Adaptor



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14455A	1/2"	5/8"	42	135	10	*2

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466A	1/2"	3/4"	44	146	10	*2
14466A-B	1/2"	3/4"	44	146	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P254-255

14209M Socket Set Juego de Vasos



14209M 10 Pieces Set/ =830g

METAL CASE: W190×H59×T45mm

Bits	Bit Holder
 183H.35 Hex Bits 5, 6, 8, 10	 14134 Bit Holder
 107.16 Hex Bits 12, 14, 17, 19	 14106 Bit Holder

14210M Socket Set Juego de Vasos



14210M 18 Pieces Set/ =1,250g

METAL CASE: W310×H90×T48mm

Bits	Bit Holder
 183H.35 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	 14134 Bit Holder
 183H.75 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	 168H-4 (40) Screwdriver

14210T Socket Set Juego de Vasos

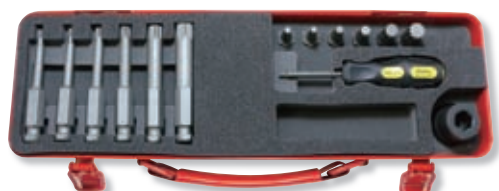


14210T 14 Pieces Set/ =1,080g

METAL CASE: W310×H90×T48mm

Bits	Bit Holder
 183T.35 TORX® Bits T30, T40, T45, T50, T55, T60	 14134 Bit Holder
 183T.75 TORX® Bits T30, T40, T45, T50, T55, T60	 168H-4 (40) Screwdriver

14210X Socket Set Juego de Vasos



14210X 14 Pieces Set/ =1,040g

METAL CASE: W310×H90×T48mm

Bits	Bit Holder
 183X.35 XZN Bits M4, M5, M6, M8, M10, M12	 14134 Bit Holder
 183X.75 XZN Bits M4, M5, M6, M8, M10, M12	 168H-4 (40) Screwdriver

1/2" Impact Sockets

14207M 10 Pieces Set/△=2,700g

METAL CASE:W310×H90×T48mm

Sockets

14300M 6-pt Deep Sockets
10, 12, 13, 14, 17, 19, 21, 22, 24, 27

14208M 13 Pieces Set/△=3,500g

METAL CASE:W395×H90×T50mm

Sockets

14300M 6-pt Deep Sockets
10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27

14241M 13 Pieces Set/△=2,000g

METAL CASE:W196×H100×T45mm

Sockets

14400M 6-pt. Sockets
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

14241M-05 13 Pieces Set/△=2,000g

METAL CASE:W196×H100×T45mm

Sockets

14405M 12-pt. Sockets
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

14242M 12 Pieces Set/△=1,890g

METAL CASE:W310×H90×T48mm

Sockets

14400M 6-pt. Sockets
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27

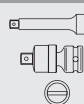
14245M-6P 18 Pieces Set/△=2,250g

METAL CASE:W310×H90×T48mm

Sockets

14400M 6-pt.Sockets
10, 12, 13, 14, 16, 17,
18, 19, 21, 22, 24, 27

Accessories



14760-125
14770
1401A, 1402A
1401B, 1402B

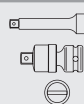
14245M-12P 18 Pieces Set/△=2,250g

METAL CASE:W310×H90×T48mm

Sockets

14405M 12-pt. Sockets
10, 12, 13, 14, 16, 17, 18,
19, 21, 22, 24, 27

Accessories



14760-125
14770
1401A, 1402A
1401B, 1402B

S14240M 14400M 98 Pieces Set/△=13,690g

DISPLAY STAND:W510×H150×T230mm

10mm:8pcs	15mm:7pcs	22mm:6pcs
11mm:8pcs	16mm:7pcs	23mm:6pcs
12mm:8pcs	17mm:7pcs	24mm:6pcs
13mm:8pcs	19mm:7pcs	27mm:5pcs
14mm:8pcs	21mm:7pcs	

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"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

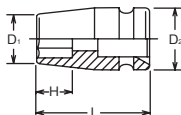
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

15400M 6-point Sockets Vasos Hexagonales



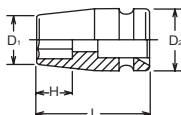
FLAT DRIVE®



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	5	*1

*1 Pin/O-Ring=C51A/C51B → P255

15400A 6-point Sockets Vasos Hexagonales



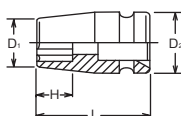
15400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
9/16	24	35	10	47.5	220	5	*1
5/8	26.5	35	11	47.5	225	5	*1
11/16	27.8	35	12	47.5	225	5	*1
3/4	30.3	35	13	47.5	225	5	*1
13/16	32.8	35	15	47.5	225	5	*1
7/8	34	35	15	47.5	225	5	*1
15/16	36.5	35	16	50.5	245	5	*1

*1 Pin/O-Ring=C51A/C51B → 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=C51A/C51B → 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.

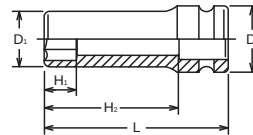
Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas.

15300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=C51A/C51B → P255



15300M 6-point Deep Sockets Vasos Hexagonales Largos

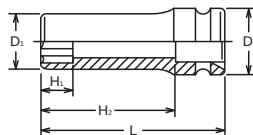


15310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=C51A/C51B → P255



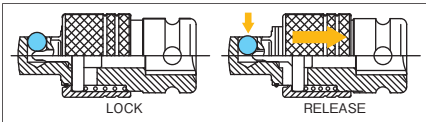
15310M Surface Drive Sockets, Deep Vasos Surface Drive (de Contacto Curvo) Largos



	L (mm)	(g)	(pce.)	
15555AL	70	310	1	*1

*1 Pin/O-Ring=C51A/C51B → P255

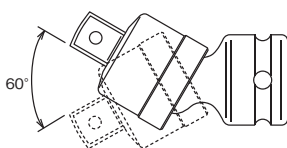
Lock & Quick Release



⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	L (mm)	(g)	(pce.)	
15770	88	420	1	*1

*1 Pin/O-Ring=C51A/C51B → P255



15555AL Adaptor (Quick Release) Adaptador (Extracción Rápida) ⚠



15770 Universal Joint Articulación Universal



15544A Adaptor Adaptador ⚠



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15544A	5/8"	1/2"	46	165	1	*1
15544A-P	5/8"	1/2"	46	165	1	*1

*1 Pin/O-Ring=C51A/C51B → 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.

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15566A	5/8"	3/4"	48	200	1	*1

*1 Pin/O-Ring=C51A/C51B → P255

15566A Adaptor Adaptador



Impact Sockets 3/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

AUTOMOTIVE

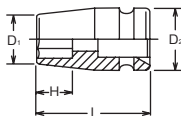
CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS/REPUESTO

16400M • 16400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®

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

16400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
31	47.5	44	18	53	426	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
35	52.5	44	20	55	494	5	*1
36	53.8	44	20	55	498	5	*1
37	55	44	20	55	526	2	*1
38	56.3	44	20	57	558	2	*1
39	57.5	44	20	57	579	2	*1
40	58.8	44	20	57	598	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
43	62.5	44	23	62	720	2	*1
44	63.8	44	23	62	761	2	*1
45	65	44	23	62	757	2	*1
46	66.3	44	23	62	755	2	*1
47	67.5	54	23	62	805	2	*2
48	68.8	54	23	62	940	2	*2
49	70	54	23	62	912	2	*2
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
54	76.3	54	29	62	1035	2	*2
55	77.5	54	29	62	1056	2	*2
56	78.8	54	29	62	1091	2	*2
57	80	54	32	65	1126	2	*2
58	81.3	54	31	65	1163	2	*2
59	82.5	54	31	65	1185	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2
70	96.3	54	34	70	1570	1	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61

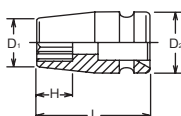
*2 C-Ring=C81, Pin/O-Ring=A62/B62

➔ P254-255

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=C61, Pin/O-Ring=A61/B61

*2 C-Ring=C81, Pin/O-Ring=A62/B62

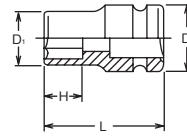
➔ P254-255

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=C61, Pin/O-Ring=A61/B61 → 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=C61, Pin/O-Ring=A61/B61 → 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

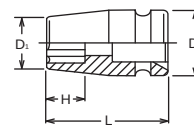
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

16410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

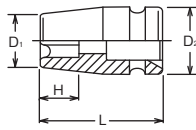


SURFACE DRIVE



Impact Sockets 3/4"

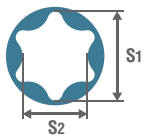
16425 TORX® Sockets Vasos TORX®



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
E30	38.8	44	25.2	60	480	5	*1
E32	41.3	44	25.2	60	480	5	*1

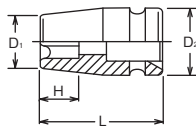
*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔ P254-255

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

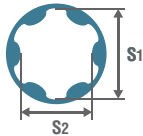
16425-EPL TORXPLUS® Sockets Vasos TORXPLUS®



16425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	55	427	5	*1
26EPL	35	44	14.2	60	467	5	*1
28EPL	36.3	44	15.2	60	467	5	*1
30EPL	38.8	44	16.1	60	472	5	*1
32EPL	40	44	16.1	62	488	2	*1

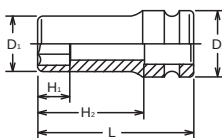
*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔ P254-255

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

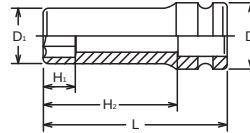
*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔ P254-255

3/4" Impact Sockets



16300M • 16300A

6-point Sockets, Deep
Vasos Hexagonales Largos



16300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	Ⓢ
14	26.3	44	14	74	100	497	2	*1
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
20	33.8	44	20	74	100	680	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	705	2	*1
25	40	44	25	74	100	715	2	*1
26	41.3	44	26	74	100	710	2	*1
27	42.5	44	27	73	100	710	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
31	47.5	44	31	72	100	815	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
37	55	44	37	71	100	970	2	*1
38	56.3	44	38	70	100	990	2	*1
39	57.5	44	38	70	100	1040	2	*1
40	58.8	44	38	70	100	1060	2	*1
41	60	44	38	69	100	1120	2	*1
42	61.3	44	38	69	100	1153	2	*1
43	62.5	44	38	69	100	1200	2	*1
44	63.8	44	38	68	100	1220	2	*1
46	66.3	44	38	68	100	1305	2	*1
48	68.8	54	38	68	100	1480	2	*2
50	71.3	54	61	—	100	1469	2	*2
55	77.5	54	59	—	100	1620	2	*2
60	83.8	54	56	—	100	1835	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 C-Ring=C81, Pin/O-Ring=A62/B62

→ P254-255

16300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	Ⓢ
3/4	32.5	44	19	74	100	655	2	*1
13/16	35	44	21	74	100	700	2	*1
7/8	36.3	44	22	74	100	700	2	*1
15/16	38.8	44	24	74	100	705	2	*1
1	40	44	25	74	100	715	2	*1
1. 1/16	42.5	44	27	73	100	765	2	*1
1. 1/8	45	44	29	73	100	835	2	*1
1. 3/16	46.3	44	30	73	100	840	2	*1
1. 1/4	48.8	44	32	72	100	875	2	*1
1. 5/16	51.3	44	34	72	100	950	2	*1
1. 3/8	52.5	44	35	71	100	980	2	*1
1. 7/16	55	44	37	71	100	970	2	*1
1. 1/2	56.3	44	38	70	100	990	2	*1
1. 9/16	58.8	44	38	70	100	1060	2	*1
1. 5/8	60	44	38	69	100	1120	2	*1
1.11/16	62.5	44	38	69	100	1200	2	*1
1. 3/4	65	44	38	68	100	1284	2	*1
1.13/16	66.3	44	38	68	100	1305	2	*1
1. 7/8	68.8	54	38	67	100	1561	2	*2
2	72.5	54	60	—	100	1516	2	*2

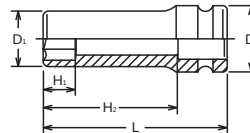
*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 C-Ring=C81, Pin/O-Ring=A62/B62

→ P254-255

16301M • 16301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada



16301M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	Ⓢ
16	26.8	43	16	74	100	435	2	*1
17	28	43	17	74	100	470	2	*1
18	29.3	43	18	74	100	475	2	*1
19	30.5	43	19	74	100	480	2	*1
20	31.8	43	20	74	100	491	2	*1
21	33	43	21	74	100	505	2	*1
22	34.3	43	22	74	100	528	2	*1
23	35.5	43	23	74	100	542	2	*1
24	36.8	43	24	74	100	560	2	*1
25	38	43	25	74	100	581	2	*1
26	39.3	43	26	74	100	600	2	*1
27	40.5	43	27	73	100	610	2	*1
28	41.8	43	28	73	100	639	2	*1
29	43	43	29	73	100	650	2	*1
30	44.3	43	30	73	100	670	2	*1
31	45.5	43	31	72	100	690	2	*1
32	46.8	43	32	72	100	715	2	*1
33	48	43	33	72	100	730	2	*1
34	49.3	43	34	72	100	750	2	*1
35	50.5	43	35	71	100	785	2	*1
36	51.8	43	36	71	100	830	2	*1
37	53	43	37	71	100	850	2	*1
38	54.3	43	38	70	100	885	2	*1
39	55.5	43	38	70	100	908	2	*1
40	56.8	43	38	70	100	925	2	*1
41	58	43	38	69	100	970	2	*1
42	59.3	43	38	69	100	990	2	*1
46	64.3	43	38	68	100	1150	2	*1
50	69.2	53	62	—	100	1328	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 C-Ring=C81, Pin/O-Ring=A62/B62

→ P254-255

16301A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	Ⓢ
11/16	28	43	17	74	100	470	2	*1
3/4	30.5	43	19	74	100	480	2	*1
13/16	33	43	21	74	100	505	2	*1
7/8	34.3	43	22	74	100	528	2	*1
15/16	36.8	43	24	74	100	560	2	*1
1	38	43	25	74	100	581	2	*1
1. 1/16	40.5	43	27	73	100	610	2	*1
1. 1/8	43	43	29	73	100	650	2	*1
1. 3/16	44.3	43	30	73	100	670	2	*1
1. 1/4	46.8	43	32	72	100	715	2	*1
1. 5/16	49.3	43	34	72	100	790	2	*1
1. 3/8	50.5	43	35	71	100	785	2	*1
1. 7/16	53	43	37	71	100	850	2	*1
1. 1/2	54.3	43	38	70	100	885	2	*1
1. 9/16	56.8	43	38	70	100	925	2	*1
1. 5/8	58	43	38	69	100	970	2	*1
1.13/16	64.3	43	38	68	100	1150	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61

→ P254-255

Impact Sockets 3/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

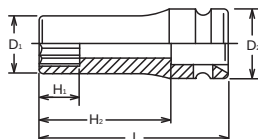
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

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

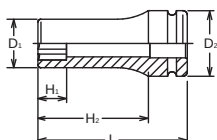
*1 C-Ring=C61, Pin/O-Ring=A61/B61

*2 C-Ring=C81, Pin/O-Ring=A62/B62 → P254-255

16310M Surface Drive Sockets, deep Vasos Surface Drive (de Contacto Curvo) Largos



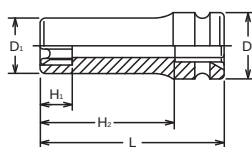
SURFACE DRIVE



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=C61, Pin/O-Ring=A61/B61 → P254-255

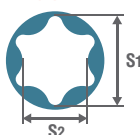
16325 TORX® Deep Sockets Vasos TORX® Largos



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=C61, Pin/O-Ring=A61/B61 → 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)	(g)	(pcs.)	
10	44	24	76	416	2	*1
12	44	24	76	422	2	*1
13	44	24	76	426	2	*1
14	44	24	76	430	2	*1
16	44	24	76	439	2	*1
17	44	24	76	443	2	*1
18	44	24	76	448	2	*1
19	44	24	76	450	2	*1
22	44	24	76	473	2	*1

16106.16 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	44	24	76	426	2	*1
9/16	44	24	76	430	2	*1
5/8	44	24	76	439	2	*1
3/4	44	24	76	450	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61

➔ P254-255

The items with  have larger output size than 16mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

16106.16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T55	44	34	86	427	2	*1
T60	44	34	86	434	2	*1
T70	44	34	86	443	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61

➔ P254-255

16106.16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
M14	44	44	96	453	2	*1
M16	44	44	96	463	2	*1
M18	44	44	96	473	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61

➔ P254-255

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16106	32	44	16	52	370	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61

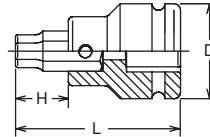
➔ P254-255

16106-SC



Replacement Screw : M6x10, 3mm

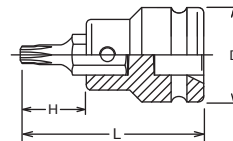
16106-16 Hex Bit Sockets Vasos con Punta Hexagonal



16106-16(T) TORX® Bit Sockets Vasos con Punta TORX®



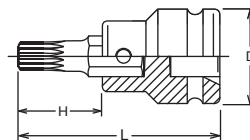
TORX® Bit Sockets
Vasos con Punta TORX®



16106-16(XZN) XZN Bit Sockets Vasos con Punta XZN



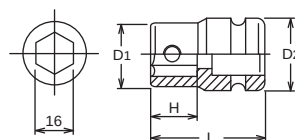
XZN Bit Sockets
Vasos con Punta XZN



16106 Bit Holder, For 107-16 Porta Punta



Bit Holder, For 107-16
Porta Punta



Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

Impact Sockets 3/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

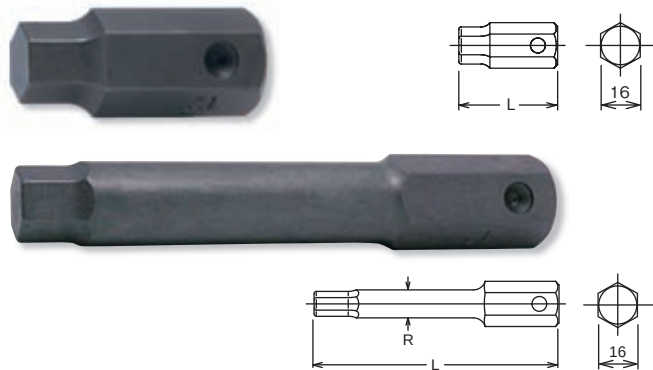
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

107-16 Bits for Inhex Screws Puntas para Tornillos Inhex



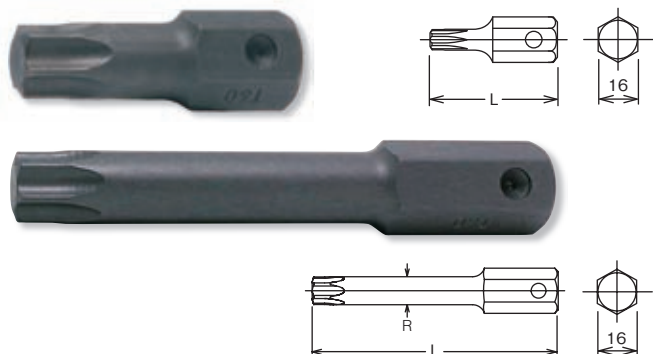
107.16 (mm)	L (mm)	(g)	(pcs.)	
10	40	46	10	
12	40	52	10	
13	40	56	10	
14	40	60	10	
16	40	69	10	
17	40	73	10	⚠
18	40	78	10	⚠
19	40	80	10	⚠
22	40	97	10	⚠

107.16 (inch)	L (mm)	(g)	(pcs.)	
1/2	40	56	10	
9/16	40	60	10	
5/8	40	69	10	
3/4	40	80	10	⚠

107.16(L100) (mm)	L (mm)	(g)	(pcs.)	
10	100	118	10	
12	100	141	10	
14	100	163	10	
17	100	185	10	⚠
19	100	228	10	⚠
22	100	293	10	⚠

⚠ The items with ⚠ have larger output size than 16mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

107-16 (T) TORX® Bits Puntas TORX®



107.16 (T)	L (mm)	(g)	(pcs.)	
New T50	50	50	10	
T55	50	57	10	
T60	50	64	10	
T70	50	73	10	

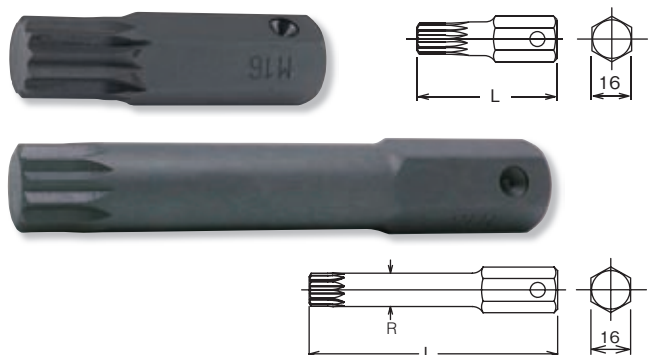
107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)	
New T50	100	9	100	10	
T55	100	11.4	108	10	
T60	100	13.4	130	10	
T70	100	15.7	159	10	

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	

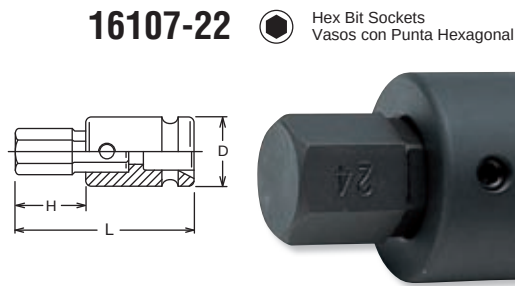
TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.
TORXplus® is a registered trademark of Acument Intellectual Properties, LLC.
TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

3/4" Impact Sockets

16107.22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	44	28	88	670	2	*1
22	44	28	88	692	2	*1
24	44	28	88	706	2	*1
27	44	28	88	730	2	*1
30	44	28	88	757	2	*1
32	44	28	93	783	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

⚠ The items with ⚠ have larger output size than 22mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

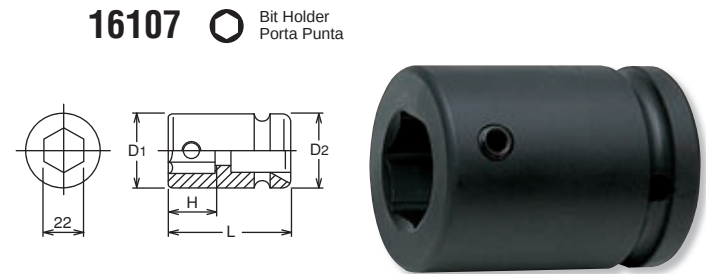


	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16107	44	44	22	60	530	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

16107-SC

Replacement Screw : M8x14, 4mm



107.22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

107.22 (inch)	L (mm)	(g)	(pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1. 1/4	55	243	10

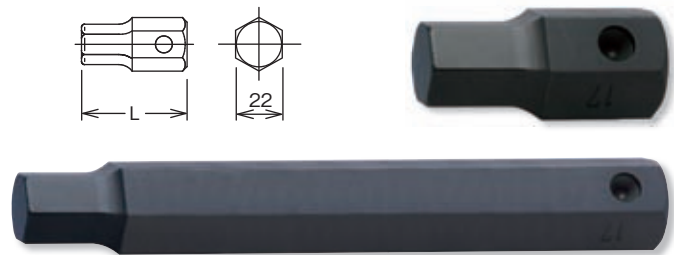
107.22(L140) (mm)	L (mm)	(g)	(pcs.)
17	140	431	5
19	140	441	5
22	140	460	5
24	140	513	5

⚠ The items with ⚠ have larger output size than 22mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

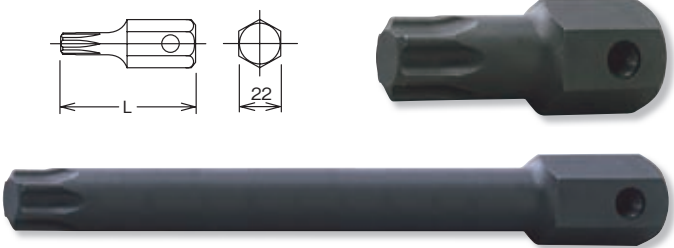
107.22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107.22(L140) (T)	L (mm)	(g)	(pcs.)
T 70	140	395	5
T 80	140	407	5
T 90	140	420	5
T100	140	434	5

107-22 Bits for Inhex Screws
Puntas para Tornillos Inhex



107-22 (T) TORX® Bits
Puntas TORX®

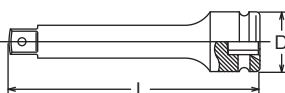


16760 Extension Bars
Alargaderas



	D (mm)	L (mm)	(g)	(pce.)	
16760-150	44	150	775	1	*1
16760-175	44	175	870	1	*1
16760-200	44	200	955	1	*1
16760-250	44	250	1150	1	*1
16760-330	44	330	1460	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255



Impact Sockets 3/4"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

PROTECTOR
PROTECTORES

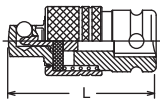
AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

16666AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

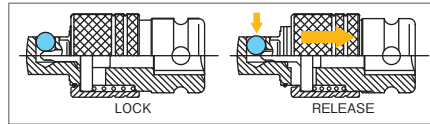


LOCKING
ADAPTOR

	L (mm)	(g)	(pcs.)	
16666AL	75	660	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

Lock & Quick Release

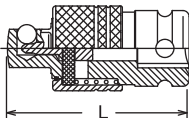


You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

16644AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

No Warranty
Sin Garantía



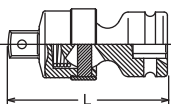
	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16644AL	3/4"	1/2"	70	240	2	*1

*1 Pin/O-Ring=A51/B51 → 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.

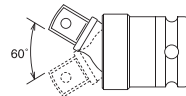
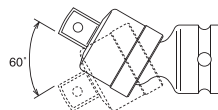
16770

Universal Joint
Articulación Universal



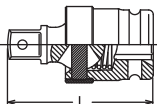
	L (mm)	(g)	(pce.)	
16770	106	790	1	*1
16771	95	720	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255



16771

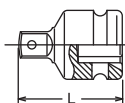
Universal Joint
Articulación Universal



16644A • 16655A

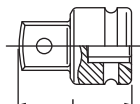
Adaptors
Adaptadores

No Warranty
Sin Garantía



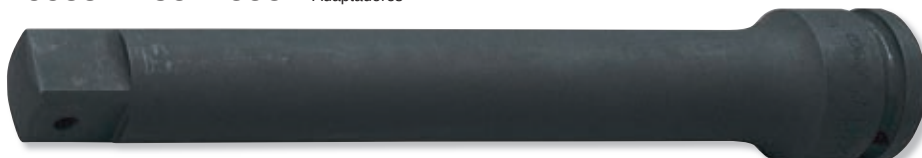
16688A

Adaptor
Adaptador



16688A-250 • -330

Adaptors
Adaptadores



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16644A	3/4"	1/2"	54	310	5	*1
16644A-B	3/4"	1/2"	54	310	5	*1
16644A-P	3/4"	1/2"	54	310	5	*1



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16655A	3/4"	5/8"	55.5	336	5	*1

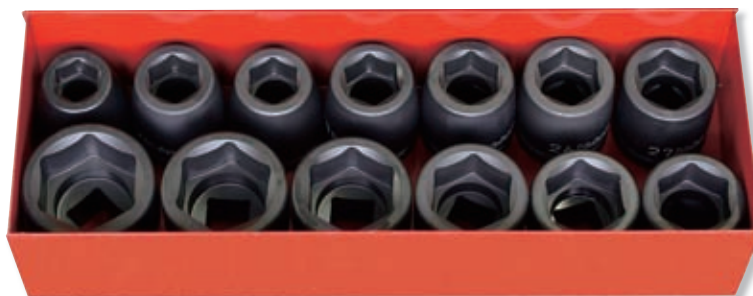
*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

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.

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
16688A	3/4"	1"	62	435	1	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

16201M • 16201A Socket Sets Juegos de Vasos



16201M	13 Pieces Set/📦=6,800g
METAL CASE:W320×H110×T70mm	
Sockets	
	16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41

16201A	11 Pieces Set/📦=6,000g
METAL CASE:W290×H120×T70mm	
Sockets	
	16400A 6-pt. Sockets 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2

16201M-01 • 16201A-01 Sockets Sets Juegos de Vasos



16201M-01	13 Pieces Set/📦=6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
	16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41

16201A-01	11 Pieces Set/📦=5,400g
METAL CASE:W290×H120×T70mm	
Sockets	
	16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2

16245M Socket Sets Juegos de Vasos



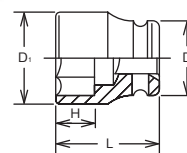
16245M	17 Pieces Set/📦=12,000g
METAL CASE:W590×H227×T72mm	
Sockets	Accessories
 16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	 16760-175  16760-330

18400M • 18400A

6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



18400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	586	2	*1
19	35.3	54	13	57	590	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	66	36	70	1235	2	*2
48	71.5	66	35	70	1228	2	*2
50	74	66	35	70	1302	2	*2
52	76.5	66	40	75	1423	2	*2
54	79	66	40	75	1492	2	*2
55	80.3	66	39	75	1501	2	*2
56	81.5	66	39	75	1520	2	*2
58	84	66	39	75	1586	2	*2
60	86.5	66	39	75	1651	2	*2
62	89	66	38	75	1685	2	*2
63	90.3	66	38	75	1661	2	*2
65	92.8	66	38	75	1915	2	*2
67	95.3	66	38	75	1872	2	*2
68	96.5	66	37	75	1877	1	*2
70	99	66	37	75	1944	1	*2
75	105.3	86	37	80	2675	1	*3
80	111.5	86	41	85	2996	1	*3
85	117.8	86	37	90	3378	1	*3
90	124	86	40	95	3871	1	*3
95	130.3	86	43	100	4500	1	*3
100	136.5	86	47	105	5000	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P254-255

18400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	12	57	579	2	*1
3/4	35.3	54	13	57	590	2	*1
13/16	37.8	54	15	57	605	2	*1
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/16	45.3	54	16	57	627	2	*1
1. 3/32	46.5	54	16	57	642	2	*1
1. 1/8	47.8	54	18	57	657	2	*1
1. 3/16	49	54	21	62	657	2	*1
1. 1/4	51.5	54	21	62	685	2	*1
1. 9/32	52.8	54	21	62	692	2	*1
1. 5/16	54	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1.15/32	57.8	54	21	62	730	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 9/16	61.5	54	25	66	850	2	*1
1. 5/8	62.8	54	25	66	850	2	*1
1.11/16	65.3	54	27	68	977	2	*1
1. 3/4	67.8	54	27	68	963	2	*1
1.13/16	69	54	29	70	1010	2	*1
1. 7/8	71.5	66	35	70	1228	2	*2
1.15/16	72.8	66	35	70	1238	2	*2
2	75.3	66	35	70	1297	2	*2
2. 1/16	76.5	66	40	75	1423	2	*2
2. 1/8	79	66	40	75	1492	2	*2
2. 3/16	80.3	66	39	75	1501	2	*2
2. 1/4	82.8	66	39	75	1583	2	*2
2. 5/16	84	66	39	75	1586	2	*2
2. 3/8	86.5	66	39	75	1651	2	*2
2. 7/16	89	66	38	75	1685	2	*2
2. 1/2	91.5	66	38	75	1780	2	*2
2. 9/16	92.8	66	38	75	1915	2	*2
2. 5/8	95.3	66	38	75	1872	2	*2
2.11/16	96.5	66	37	75	1877	1	*2
2. 3/4	99	66	37	75	1944	1	*2
2.13/16	101.5	86	37	80	2705	1	*3
2. 7/8	102.8	86	38	80	2629	1	*3
2.15/16	105.3	86	37	80	2675	1	*3
3	106.5	86	37	80	2705	1	*3
3. 1/16	109	86	42	85	2967	1	*3
3. 1/8	111.5	86	41	85	2996	1	*3
3. 1/4	115.3	86	44	90	3328	1	*3
3. 3/8	119	86	36	90	3389	1	*3
3. 1/2	124	86	40	95	3871	1	*3
3. 3/4	130.3	86	43	100	4377	1	*3
4	137.8	86	46	105	5152	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81

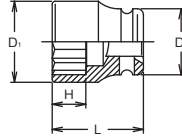
*2 C-Ring=C82, Pin/O-Ring=A82/B82

*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P254-255

18405M • 18405A

12-point Sockets
Vasos Bihexagonales



18405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
27	45.3	54	16	57	607	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	690	2	*1
35	55.3	54	21	62	690	2	*1
36	56.5	54	21	62	692	2	*1
38	59	54	25	66	700	2	*1
40	61.5	54	25	66	830	2	*1
41	62.8	54	25	66	905	2	*1
46	69	54	29	70	990	2	*1
50	74	66	35	70	1258	2	*2
55	80.3	66	39	75	1475	2	*2
56	81.5	66	39	75	1493	2	*2
60	86.5	66	39	75	1621	2	*2
65	92.8	66	38	75	1885	2	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ 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	66	35	70	1208	2	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81

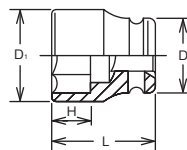
*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P254-255



18401M • 18401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada



18401M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	12	57	481	2	*1
19	32.3	53	13	57	492	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
27	42.3	53	16	57	540	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
41	59.8	53	25	66	740	2	*1
46	66	53	29	70	900	2	*1
47	67.3	65	29	70	1153	2	*2
50	71	65	35	70	1235	2	*2

18401A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

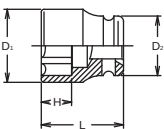
*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P254-255

Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCIÓN
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

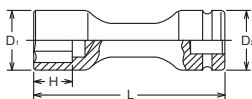
18410M Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



18410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	627	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
36	56.5	54	21	62	712	2	*1
41	62.8	54	25	66	850	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➔ P254-255

18104M Extra Long Sockets
Vasos Extra-Largos



18104M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
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=C81, Pin/O-Ring=A81/B81 ➔ 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	65	55	-	85	1458	2	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

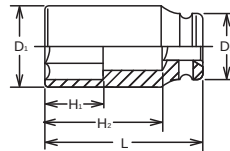
→ P254-255



18301X



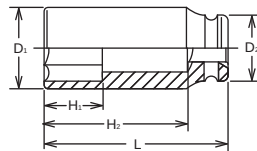
6-point Semi-Deep Sockets, Thin Walled
Vasos Hexagonales Medianos de Pared Delgada



18300M • 18300A



6-point Sockets, Deep
Vasos Hexagonales Largos



18300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
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	23	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	66	67	-	108	1729	2	*2
50	74	66	66	-	108	1879	2	*2
52	76.5	66	65	-	108	2000	2	*2
55	80.3	66	63	-	108	2088	2	*2
60	86.5	66	60	-	108	2290	2	*2
65	92.8	66	58	-	108	2643	2	*2
70	99	66	55	-	108	2792	1	*2
75	105.3	86	52	-	108	3646	1	*3
80	111.5	86	49	-	108	4039	1	*3
85	117.8	86	57	-	108	4000	1	*3
90	124	86	57	-	108	4200	1	*3
95	130.3	86	55	-	108	4400	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ 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	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	49	54	30	77	108	1179	2	*1
1. 1/4	51.5	54	32	77	108	1200	2	*1
1. 5/16	54	54	34	77	108	1280	2	*1
1. 3/8	55.3	54	35	77	108	1300	2	*1
1. 7/16	57.8	54	37	76	108	1320	2	*1
1. 1/2	59	54	38	76	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	66	67	-	108	1729	2	*2
1.15/16	72.8	66	67	-	108	1799	2	*2
2	75.3	66	66	-	108	1834	2	*2
2. 1/16	76.5	66	65	-	108	2000	2	*2
2. 1/8	79	66	64	-	108	2044	2	*2
2. 3/16	80.3	66	63	-	108	2088	2	*2
2. 1/4	82.8	66	62	-	108	2153	2	*2
2. 5/16	84	66	61	-	108	2225	2	*2
2. 3/8	86.5	66	60	-	108	2290	2	*2
2. 7/16	89	66	59	-	108	2364	2	*2
2. 1/2	91.5	66	58	-	108	2581	2	*2
2. 9/16	92.8	66	58	-	108	2643	2	*2
2. 5/8	95.3	66	56	-	108	2711	1	*2
2. 3/4	99	66	55	-	108	2792	1	*2
2. 7/8	102.8	86	53	-	108	3600	1	*3
2.15/16	105.3	86	52	-	108	3646	1	*3
3	106.5	86	51	-	108	3677	1	*3
3. 1/16	109	86	50	-	108	3939	1	*3
3. 1/8	111.5	86	49	-	108	4039	1	*3
3. 3/16	112.8	86	48	-	108	4170	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

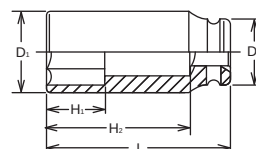
*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P254-255

18301M • 18301A



6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Paraf De Igada



18301M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	77	108	692	2	*1
18	31	53	18	77	108	710	2	*1
19	32.3	53	19	77	108	725	2	*1
20	33.5	53	20	77	108	740	2	*1
21	34.8	53	21	77	108	750	2	*1
22	36	53	22	77	108	770	2	*1
23	37.3	53	23	77	108	780	2	*1
24	38.5	53	24	77	108	800	2	*1
26	41	53	26	77	108	830	2	*1
27	42.3	53	27	77	108	860	2	*1
29	44.8	53	29	77	108	880	2	*1
30	46	53	30	77	108	910	2	*1
32	48.5	53	32	77	108	970	2	*1
33	49.8	53	33	77	108	980	2	*1
34	51	53	34	77	108	980	2	*1
35	52.3	53	35	77	108	986	2	*1
36	53.5	53	36	76	108	992	2	*1
38	56	53	38	76	108	1025	2	*1
39	57.3	53	38	76	108	1130	2	*1
41	59.8	53	38	75	108	1213	2	*1
43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	65	38	-	108	1746	2	*2
55	77.3	65	62	-	108	1963	2	*2
60	83.5	65	59	-	108	2220	2	*2
65	89.8	65	56	-	108	2689	2	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81

*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ P254-255

18301A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1	39.8	53	25	77	108	828	2	*1
1. 1/16	42.3	53	27	77	108	860	2	*1
1. 1/8	44.8	53	29	77	108	909	2	*1
1. 3/16	46	53	30	77	108	910	2	*1
1. 1/4	48.5	53	32	77	108	970	2	*1
1. 9/32	49.8	53	33	77	108	997	2	*1
1. 5/16	51	53	34	77	108	1014	2	*1
1. 3/8	52.3	53	35	77	108	986	2	*1
1. 1/2	56	53	38	76	108	1025	2	*1
1. 5/8	59.8	53	38	75	108	1213	2	*1
1.11/16	62.3	53	38	74	108	1285	2	*1
1.13/16	66	53	38	74	108	1400	2	*1
2	72.3	65	65	-	108	1850	2	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81

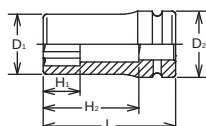
*2 C-Ring=C82, Pin/O-Ring=A82/B82

→ 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)	(g)	(pcs.)	
21	37.8	54	21	77	108	1010	2	*1
24	41.5	54	24	77	108	1060	2	*1
27	45.3	54	27	77	108	1125	2	*1
30	49	54	30	77	108	1179	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
36	56.5	54	36	76	108	1280	2	*1
41	62.8	54	38	75	108	1450	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81

→ 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=C81, Pin/O-Ring=A81/B81

➔ P254-255

The items with  have larger output size than 16mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

18106.16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T55	54	34	102	697	2	*1
T60	54	34	102	704	2	*1
T70	54	34	102	713	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81

➔ P254-255

18106.16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
M14	54	44	112	723	2	*1
M16	54	44	112	733	2	*1
M18	54	44	112	743	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81

➔ P254-255

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18106	32	54	16	68	640	2	*1

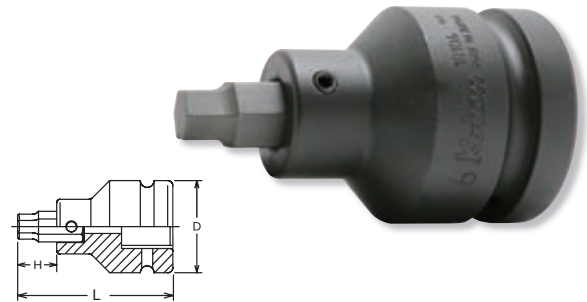
*1 C-Ring=C81, Pin/O-Ring=A81/B81

➔ P254-255

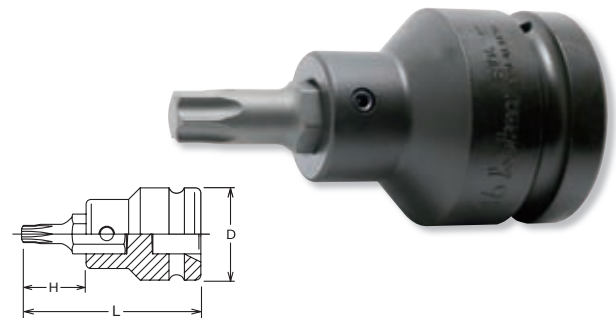
16106-SC

 Replacement Screw : M6x10,  3mm

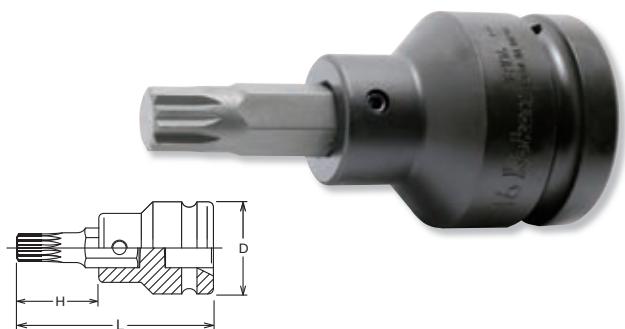
18106-16 Hex Bit Sockets Vasos con Punta Hexagonal



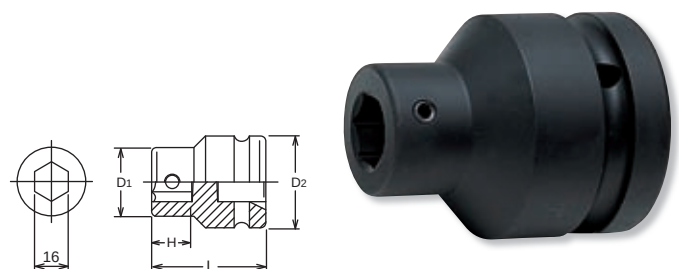
18106-16(T) TORX® Bit Sockets Vasos con Punta TORX®



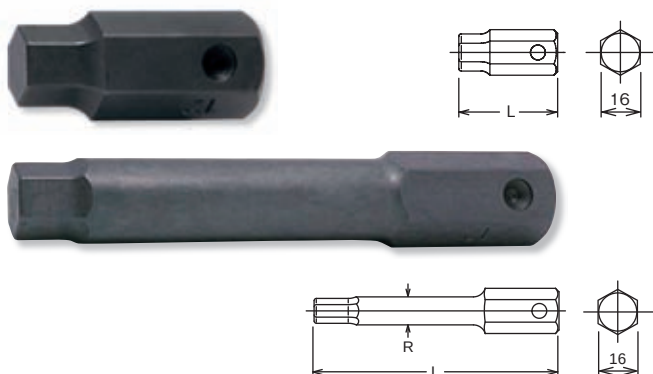
18106-16(XZN) XZN Bit Sockets Vasos con Punta XZN



18106 Bit Holder Porta Punta



107-16 Bits for Inhex Screws Puntas para Tornillos Inhex



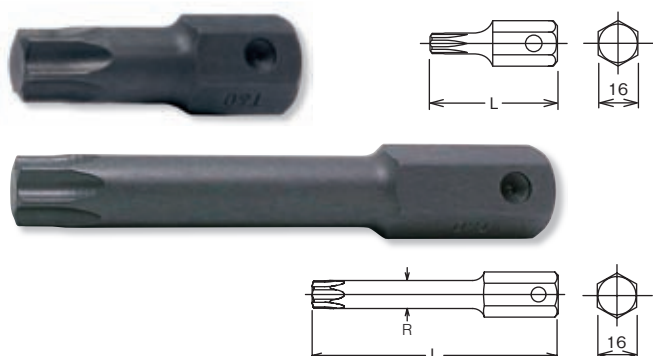
107.16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107.16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
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

The items with ⚠ have larger output size than 16mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

107-16 (T) TORX® Bits Puntas TORX®



107.16 (T)	L (mm)	(g)	(pcs.)
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

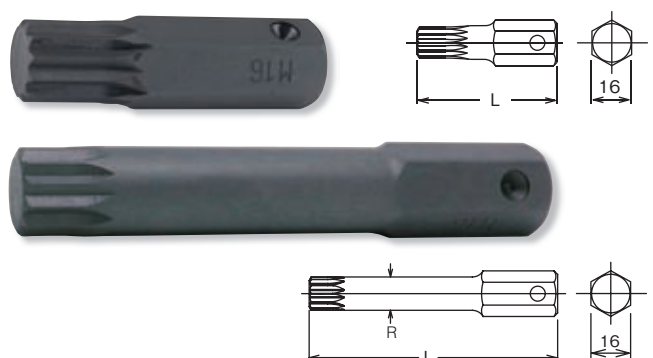
107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T50	100	9	100	10
T55	100	11.4	108	10
T60	100	13.4	130	10
T70	100	15.7	159	10

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

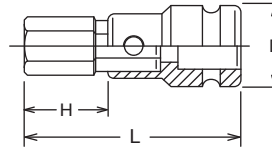
TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® es una marca registrada de Acument Intellectual Properties, LLC.
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TORXplus® es una marca registrada de Acument Intellectual Properties, LLC.

18107.22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	54	28	98	910	2	*1
22	54	28	98	932	2	*1
24	54	28	98	946	2	*1
27	54	28	98	986	2	*1
30	54	28	98	1008	2	*1
32	54	28	103	1029	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

⚠ The items with ⚠ have larger output size than 22mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

18107-22 Hex Bit Sockets Vasos con Punta Hexagonal



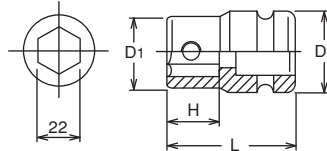
	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18107	44	54	22	70	770	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

16107-SC

Replacement Screw : M8x14, 4mm

18107 Bit Holder Porta Punta



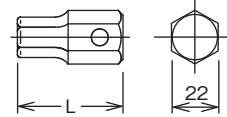
107.22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

107.22 (inch)	L (mm)	(g)	(pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1. 1/4	55	243	10

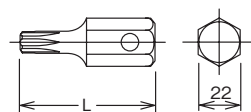
107.22(L140) (mm)	L (mm)	(g)	(pcs.)
New 17	140	431	5
New 19	140	441	5
New 22	140	460	5
New 24	140	513	5

⚠ The items with ⚠ have larger output size than 22mm input hex drive.
Due to this design the Maximum output torque rating is less than standards.

107-22 Bits for Inhex Screws Puntas para Tornillos Inhex



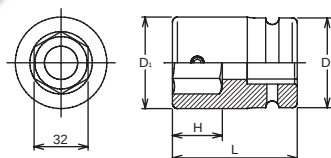
107-22 (T) TORX® Bits Puntas TORX®



107.22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107.22(L140) (T)	L (mm)	(g)	(pcs.)
New T 70	140	395	5
New T 80	140	407	5
New T 90	140	420	5
New T100	140	434	5

18108 Bit Holder Porta Punta



	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18108	55	54	30	75	930	2	*1

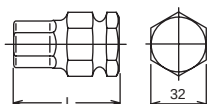
*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

18108-SC



Replacement Screw : M8x12, 4mm

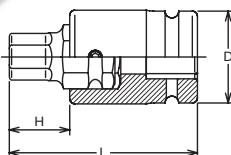
107-32 Bit for Inhex Screws Puntas para Tornillos Inhex



107.32 (mm)	L (mm)	(g)	(pcs.)
19	60	300	10
22	60	320	10
24	60	330	10
27	60	360	10
30	60	390	10
32	60	410	10
36	60	460	10



18108-32 Bit Holder complete with Bit, Inhex Vasos con Punta Hexagonal



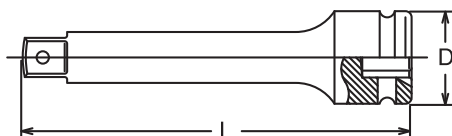
18108.32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	54	30	105	1230	2	*1
22	54	30	105	1250	2	*1
24	54	30	105	1260	2	*1
27	54	30	105	1290	2	*1
30	54	30	105	1320	2	*1
32	54	30	105	1340	2	*1
36	54	30	105	1390	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255



The items with ⚠ have larger output size than 32mm input hex drive.
Due to this design the Maximum output torque rating is less than DIN/ISO standards.

18760 Extension Bars Alargaderas



	D (mm)	L (mm)	(g)	(pcs.)	
18760-175	54	175	1400	1	*1
18760-200	54	200	1580	1	*1
18760-250	54	250	1885	1	*1
18760-330	54	330	2380	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

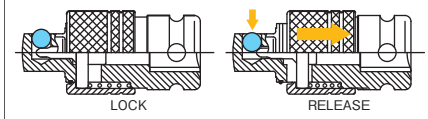
	L (mm)	(g)	(pcs.)	
18888AL	95	980	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81

→ P254-255



Lock & Quick Release

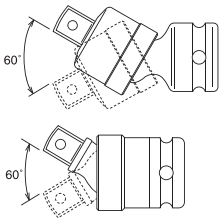


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	L (mm)	(g)	(pce.)	
18770	127	1350	1	*1
18771	115	1210	1	*1

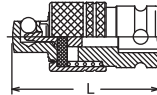
*1 C-Ring=C81, Pin/O-Ring=A81/B81

→ P254-255



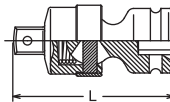
18888AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)



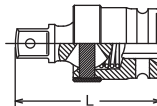
18770

Universal Joint
Articulación Universal



18771

Universal Joint
Articulación Universal



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
18866A	1"	3/4"	67	580	1	*1
18866A-200	1"	3/4"	200	1100	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81

→ 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.

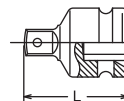
18866A

Adaptors
Adaptadores

No Warranty
Sin Garantía

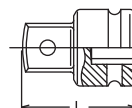


18866A-200



18877A

Adaptor
Adaptador



Impact Sockets 1-1/2"

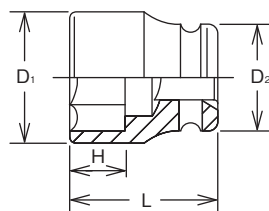
17400M • 17400A



6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



17400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
36	62	86	20	77	2126	1	*1
41	68	86	22	80	2346	1	*1
42	70	86	22	80	2330	1	*1
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
52	82	86	38	84	2340	1	*1
54	84	86	38	84	2340	1	*1
55	85	86	44	90	2450	1	*1
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=C71, Pin/O-Ring=A71/B71

*2 Pin/O-Ring=A72/B72

➔ P254-255

1-1/2" Impact Sockets

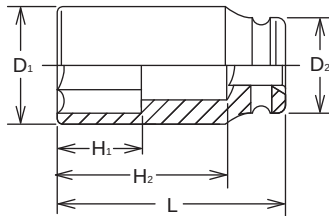
17405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
55	85	86	44	90	2450	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2

17405A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.15/16	108	86	56	105	3700	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71

*2 Pin/O-Ring=A72/B72

➔ P254-255



17300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	
36	63	86	26	70.5	115	2800	1	*1
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	135	4370	1	*1
65	97	86	38	99.5	145	5260	1	*1
70	103	86	40	98.5	145	5780	1	*1
75	108	86	42	107.5	155	6580	1	*1
80	115	86	46	115.5	165	7740	1	*1
85	122	86	49	114.5	165	7420	1	*1
90	128	86	52	122.5	175	9630	1	*1
95	135	127	55	121.5	175	10450	1	*2
100	140	127	58	130.5	185	9741	1	*2
105	146	127	62	138.5	195	10850	1	*2
110	153	127	65	137.5	195	11500	1	*2
115	160	127	68	135.5	195	12160	1	*2
120	166	127	72	144.5	205	13680	1	*2
125	173	127	74	142.5	205	14450	1	*2
130	180	127	76	142.5	205	15190	1	*2

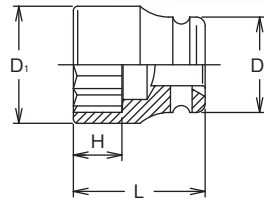
*1 C-Ring=C71, Pin/O-Ring=A71/B71

*2 Pin/O-Ring=A72/B72

➔ P254-255

17405M • 17405A

12-point Sockets
Vasos Bihexagonales



17300M • 17300A

6-point Deep Sockets
Vasos Hexagonales Largos



17300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	
1. 5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1. 3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1. 7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	1	*1
2. 1/16	82	86	30	90.5	135	4030	1	*1
2. 1/8	84	86	30	90.5	135	4160	1	*1
2. 3/16	85	86	33	90.5	135	4200	1	*1
2. 1/4	87	86	33	90.5	135	4160	1	*1
2. 3/8	91	86	35	90.5	135	4370	1	*1
2. 7/16	93	86	35	90.5	135	4490	1	*1
2. 1/2	96	86	35	90.5	135	4630	1	*1
2. 9/16	97	86	38	99.5	145	5260	1	*1
2. 5/8	100	86	38	99.5	145	5320	1	*1
2.11/16	101	86	38	99.5	145	5670	1	*1
2. 3/4	103	86	40	98.5	145	5780	1	*1
2.13/16	105	86	40	98.5	145	6000	1	*1
2. 7/8	106	86	40	98.5	145	6080	1	*1
2.15/16	108	86	42	107.5	155	6580	1	*1
3	108	86	42	107.5	155	6850	1	*1
3. 1/8	115	86	46	115.5	165	7740	1	*1
3. 3/4	135	127	55	121.5	175	12200	1	*2
3. 7/8	140	127	56	120.5	175	11080	1	*2

*1 C-Ring=C71, Pin/O-Ring=A71/B71

*2 Pin/O-Ring=A72/B72

➔ P254-255

Impact Sockets 1-1/2"

Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL
INDUSTRIALES

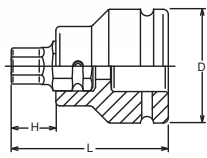
PROTECTOR
PROTECTORES

AUTOMOTIVE

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

CONSTRUCTION
CONSTRUCCIÓN

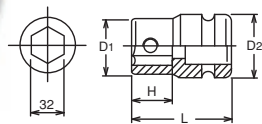
17108-32 Hex Bit Sockets Vasos con Punta Hexagonal



17108.32 (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
19	86	30	115	2500	1	*1
22	86	30	115	2520	1	*1
24	86	30	115	2530	1	*1
27	86	30	115	2560	1	*1
30	86	30	115	2590	1	*1
32	86	30	115	2610	1	*1
36	86	30	115	2660	1	*1 

*1 C-Ring=C71, Pin/O-Ring=A71/B71 

17108 Bit Holder, For 107-32 Porta Punta



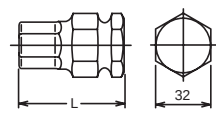
	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
17108	60	86	30	85	2200	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 

16107-SC

 Replacement Screw : M8x14,  4mm

107-32 Bit for Inhex Screws Puntas para Tornillos Inhex



107.32 (mm)	L (mm)	 (g)	 (pcs.)
19	60	300	10
22	60	320	10
24	60	330	10
27	60	360	10
30	60	390	10
32	60	410	10
36	60	460	10 

 The items with  have larger output size than 32mm input hex drive.
Due to this design the Maximum output torque rating is less than DIN/ISO standards.

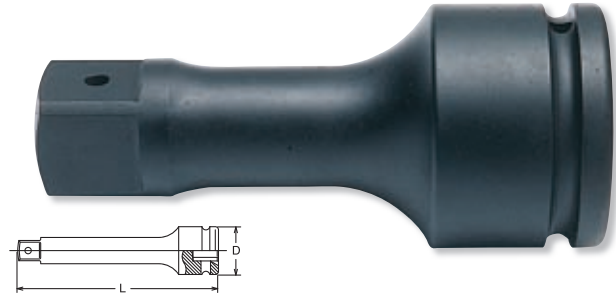


1-1/2" Impact Sockets

17760	D (mm)	L (mm)	(g)	(pce.)	
175	86	175	3300	1	*1
250	86	250	4500	1	*1
330	86	330	5200	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P254-255

17760 Extension Bars Alargaderas



	L (mm)	(g)	(pce.)	
17770	200	4700	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 → 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=C71, Pin/O-Ring=A71/B71 → 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=C71, Pin/O-Ring=A71/B71 → P254-255

17799A Adaptor Adaptador



Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

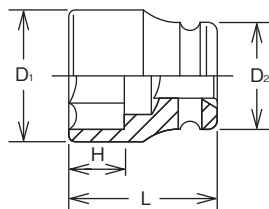
Impact Sockets 2-1/2"

19400M • 19400A

6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



19400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
50	88	127	39	115	6550	1	*1
55	94	127	42	115	6720	1	*1
60	100	127	45	125	7430	1	*1
65	105	127	48	125	7350	1	*1
70	110	127	51	125	7260	1	*1
75	118	127	54	125	7170	1	*1
80	124	127	57	125	6960	1	*1
85	127	127	61	132	7320	1	*1
90	135	127	64	132	7950	1	*1
95	140	127	71	140	8660	1	*1
100	146	127	71	142	9230	1	*1
105	155	127	74	146	11600	1	*1
110	160	127	76	155	11600	1	*1
115	167	127	78	158	12600	1	*1
120	175	175	79	160	18500	1	*2
125	180	175	82	165	19400	1	*2
130	185	175	85	169	20600	1	*2
135	190	175	89	175	21800	1	*2
140	200	175	93	180	24000	1	*2
145	205	175	95	183	25300	1	*2
150	210	175	97	192	27600	1	*2
160	225	175	102	200	31700	1	*2
165	230	175	105	204	33100	1	*2
170	235	175	106	207	34100	1	*2
175	240	175	109	211	35600	1	*2
180	250	175	110	214	40300	1	*2
185	255	175	113	218	40300	1	*2
190	265	175	113	220	46400	1	*2
200	275	175	116	225	46400	1	*2
210	285	175	123	235	50200	1	*2
215	290	175	126	240	51000	1	*2
225	305	175	133	250	55700	1	*2
235	315	175	140	260	59600	1	*2

19400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
2. 1/8	92	127	41	115	6670	1	*1
2. 3/8	100	127	45	125	7430	1	*1
2. 7/16	102	127	46	125	7440	1	*1
2. 1/2	103	127	47	125	7280	1	*1
2. 9/16	105	127	48	125	7350	1	*1
2. 5/8	107	127	49	125	7260	1	*1
2.11/16	108	127	50	125	7260	1	*1
2. 3/4	110	127	51	125	7260	1	*1
2.13/16	113	127	52	125	7170	1	*1
2. 7/8	115	127	53	125	7170	1	*1
2.15/16	118	127	54	125	7260	1	*1
3	120	127	55	125	7250	1	*1
3. 1/8	124	127	57	125	6960	1	*1
3. 1/4	125	127	59	125	6970	1	*1
3. 3/8	127	127	61	132	7320	1	*1
3. 1/2	135	127	64	132	7950	1	*1
3. 5/8	138	127	64	132	8180	1	*1
3. 3/4	140	127	71	140	8660	1	*1
3. 7/8	143	127	70	140	8730	1	*1
4	146	127	71	142	9230	1	*1
4. 1/8	155	127	70	142	11600	1	*1
4. 1/4	160	127	76	155	11600	1	*1
4. 3/8	163	127	76	155	12600	1	*1
4. 1/2	167	127	78	158	12600	1	*1
4. 5/8	175	175	79	160	18500	1	*2
4. 7/8	180	175	82	165	19400	1	*2
5	183	175	81	165	20100	1	*2
5. 1/4	190	175	89	175	21800	1	*2
5. 3/8	198	175	94	180	24200	1	*2
5. 1/2	200	175	93	180	24000	1	*2
5. 5/8	203	175	94	182	25300	1	*2
5. 3/4	207	175	103	192	26600	1	*2
6	217	175	100	196	31700	1	*2
6. 1/8	218	175	99	196	31700	1	*2
6. 5/8	233	175	105	205	34100	1	*2
7	248	175	110	213	40300	1	*2

*1 Pin/O-Ring=A91/B91

*2 Pin/O-Ring=A92/B92

➔ P255

2-1/2" Impact Sockets

19300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pce.)	
75	118	127	42	129	190	11600	1	*1
80	124	127	46	129	190	11800	1	*1
85	127	127	49	134	195	12000	1	*1
90	135	127	52	144	205	13800	1	*1
95	140	127	55	149	210	14100	1	*1
100	146	127	58	154	215	15700	1	*1
105	155	127	62	146.5	220	18000	1	*1
110	160	127	65	150.5	225	18900	1	*1
115	167	127	68	153.5	230	20700	1	*1
120	175	175	72	157.5	235	28000	1	*2
125	180	175	74	158.5	238	29100	1	*2
130	185	175	76	163.5	243	31000	1	*2
135	190	175	80	165.5	248	32100	1	*2
140	200	175	82	164.5	248	34700	1	*2
145	205	175	84	163.5	248	35900	1	*2
150	210	175	88	168.5	255	37200	1	*2
155	215	175	92	167.5	255	38200	1	*2
160	225	175	95	170.5	260	42000	1	*2
165	230	175	98	169.5	260	42700	1	*2
170	235	175	100	172.5	265	44400	1	*2
175	240	175	102	176.5	270	46100	1	*2

*1 Pin/O-Ring=A91/B91

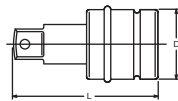
*2 Pin/O-Ring=A92/B92

→P255

19760	D (mm)	L (mm)	(g)	(pce.)	
250	127	250	17800	1	*1
500	127	500	27800	1	*1

*1 Pin/O-Ring=A91/B91

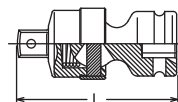
→P255



	L (mm)	(g)	(pce.)	
19770	303	21360	1	*1

*1 Pin/O-Ring=A91/B91

→P255

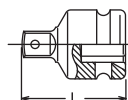


	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
19977A	2.1/2"	1.1/2"	145	7210	1	*1

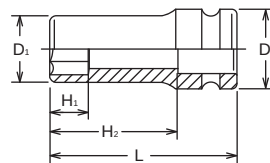
*1 Pin/O-Ring=A91/B91

→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.



19300M 6-point Deep Sockets Vasos Hexagonales Largos



19760 Extension Bars Alargaderas



19770 Universal Joint Articulación Universal



19977A Adaptor Adaptador No Warranty Sin Garantía ⚠



Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

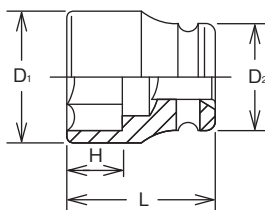
Impact Sockets 3-1/2"

10400M • 10400A

6-point Sockets
Vasos Hexagonales



FLAT DRIVE®



10400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	200	106	207	29600	1	*2
150	215	200	109	212	31240	1	*2
160	228	200	114	220	35500	1	*2
165	235	200	117	224	37940	1	*2
170	240	200	118	227	39660	1	*2
175	245	200	121	231	41400	1	*2
180	255	200	122	234	45740	1	*2
185	265	200	125	238	50350	1	*2
190	275	200	125	239	54650	1	*2
200	285	200	128	245	59190	1	*2
210	295	200	135	255	64970	1	*2
215	300	200	138	260	68150	1	*2

10400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123	236	48400	1	*2
7.3/8	269	200	124	238	52500	1	*2
7.1/2	275	200	125	240	55350	1	*2
7.5/8	278	200	127	242	56050	1	*2
7.3/4	282	200	129	245	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

*1 Pin/O-Ring=A01/B01

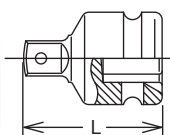
*2 Pin/O-Ring=A02/B02

➔ P255

10099A

Adaptor
Adaptador

No Warranty
Sin Garantía



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
10099A	3.1/2"	2.1/2"	182	16870	1	*1

*1 Pin/O-Ring=A01/B01

➔ 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.

3/8"

1/2"

3/4"

Sleeve Drive Sockets





The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

El extremo de accionamiento alargado de las herramientas con **casquillo conductor** evita la unión a veces "holgada" entre la herramienta de percusión-alargadera-vaso. Una junta tórica en el interior del **casquillo conductor** optimiza el ajuste perfecto de las alargaderas y los vasos en el elemento de accionamiento lo que se traduce en la mejora de la exactitud del par requerido suministrado por la herramienta de percusión.

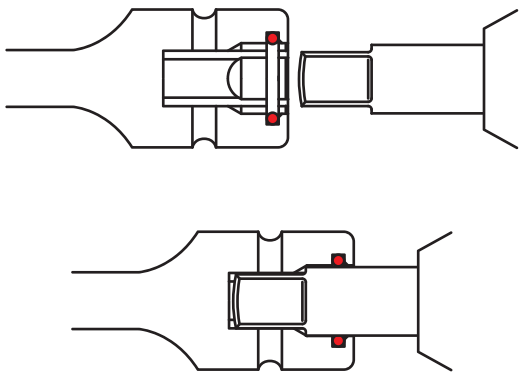
Sleeve Drive Sockets

Wrenches

O-Ring

SLEEVE DRIVE SOCKET

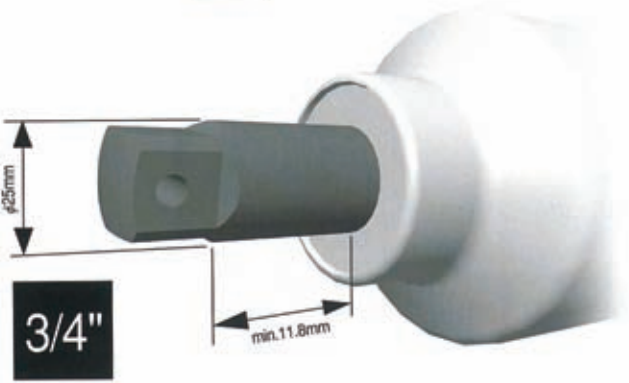
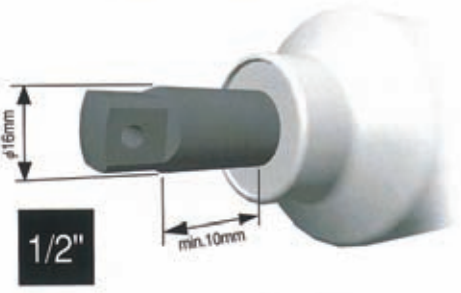
PULSE TOOL



The **"Sleeve Drive"** Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

Los Vasos y accesorios con Casquillo Conductor se han diseñado para su utilización con Herramientas de Percusión con elementos de accionamiento de cierta longitud y diámetro como se muestra a continuación.

	Anvil Diameter (mm)	Minimum Anvil Length (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8



3/8" Sleeve Drive Sockets

NV13400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	43	50	10	*1
10	15.8	19	7	43	53	10	*1
11	17	19	8	43	54	10	*1
12	18.3	19	9	43	55	10	*1
13	19.5	22	10	43	80	10	*2
14	20.8	22	10	43	80	10	*2
15	22	22	11	43	81	10	*2
16	23.3	22	11	43	83	10	*2
17	24.5	22	11	43	85	10	*2
18	25.8	22	11	43	89	10	*2
19	27	22	11	43	98	10	*2
21	29.5	22	11	43	105	10	*2
22	30.8	22	11	43	112	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C32, Pin/O-Ring=A32/B32

➔ P254-255

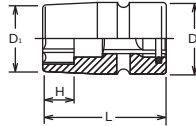


FLAT DRIVE®

NV13400



6-point Sockets
Vasos Hexagonales



NV13145.100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	100	108	10	*1
8	13	19	8	100	110	10	*1
10	15.5	19	10	100	112	10	*1
12	18	19	12	100	120	10	*1
13	19	19	13	100	127	10	*1
14	21	19	14	100	131	10	*1
15	22	19	15	100	133	10	*1
16	24	19	15	100	144	10	*1
17	25	19	15	100	154	10	*1

NV13145.150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	150	163	10	*1
8	13	19	8	150	158	10	*1
10	15.5	19	10	150	165	10	*1
12	18	19	12	150	168	10	*1
13	19	19	13	150	170	10	*1
14	21	19	14	150	175	10	*1
15	22	19	15	150	177	10	*1
16	24	19	15	150	190	10	*1
17	25	19	15	150	203	10	*1

NV13145.200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	200	209	10	*1
8	13	19	8	200	203	10	*1
10	15.5	19	10	200	212	10	*1
12	18	19	12	200	214	10	*1
13	19	19	13	200	218	10	*1
14	21	19	14	200	220	10	*1
15	22	19	15	200	226	10	*1
16	24	19	15	200	235	10	*1
17	25	19	15	200	250	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31

➔ P254-255

NV13760	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
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=C31, Pin/O-Ring=A31/B31

➔ P254-255

NV13145-100 • -150 • -200

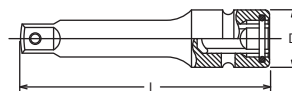


Extended Sockets
Vasos con Alargadera

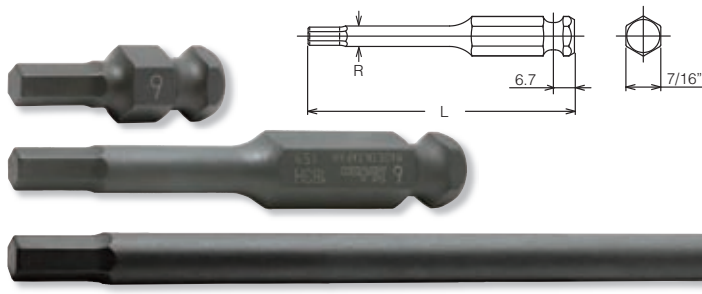


NV13760-P

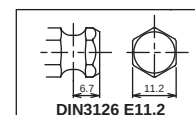
Extension Bars
Alargaderas



183H-35 • -75 • -150

 Hex Bits
Puntas Hexagonales


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
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10



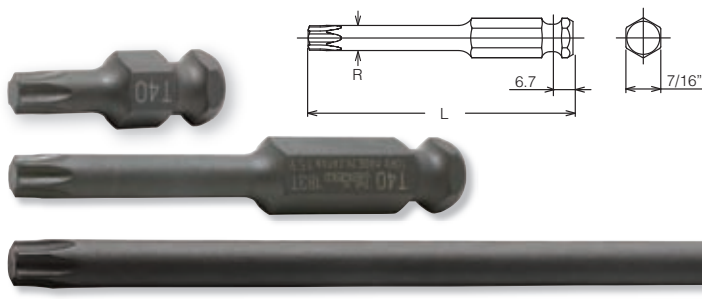
183H.75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6	34	10
4	75	6	35	10
5	75	6.5	36	10
6	75	7.5	39	10
7	75	8.5	44	10
8	75	9.5	47	10
10	75	-	57	10
11	75	-	60	10
12	75	-	65	10
14	75	-	79	10



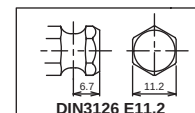
183H.150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10



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

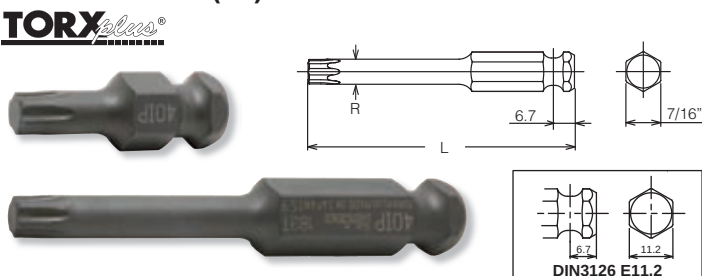


183T.150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10

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 • -75 (IP)

 TORXPLUS® Bits
Puntas TORXPLUS®


183T.35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10



183T.75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10



 The items with  have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

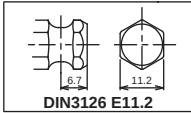
TORX is a registered trademark of Acument Intellectual Properties, LLC.
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TORXplus es una marca registrada de Acument Intellectual Properties, LLC.

3/8", 1/2"

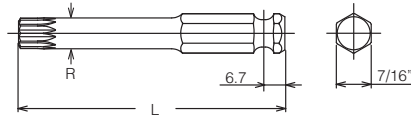
Sleeve Drive Sockets

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

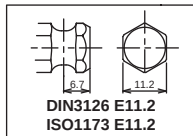
183X.150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10

The items with have larger output size than 7/16" input hex drive.
Due to this design the Maximum output torque rating is less than standards.

	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV13134	24	22	15	45	100	5	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P254-255

For
DIN3126 / ISO1173 E11.2 Bits

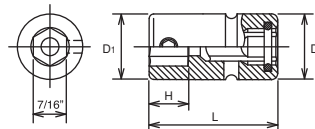


13134-SC

Replacement Screw : M8×6, ● 4mm

NV13134

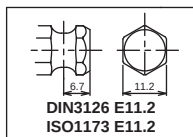
Bit Holder
Porta Punta



	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV14134	24	25	15	55	130	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

For
DIN3126 / ISO1173 E11.2 Bits

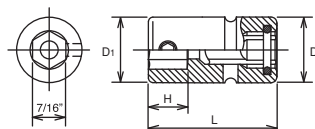


13134-SC

Replacement Screw : M8×6, ● 4mm

NV14134

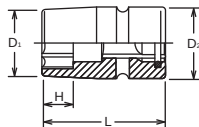
Bit Holder
Porta Punta



NV14400

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®



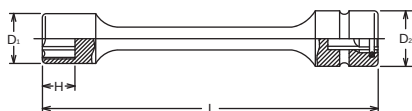
NV14400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	52	120	10	*1
12	19.5	25	9	54	120	10	*1
13	20.7	25	10	54	120	10	*1
14	22	25	10	54	120	10	*1
15	23.2	30	11	54	188	10	*2
16	24.5	30	11	54	189	10	*2
17	25.7	30	12	54	190	10	*2
18	27	30	12	54	190	10	*2
19	28.2	30	12	54	190	10	*2
21	30.7	30	12	54	191	10	*2
22	32	30	12	54	192	10	*2
23	33.2	30	12	54	196	10	*2
24	34.5	30	12	54	200	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

➔ P254-255

NV14145-100 • -150 • -200

Extended Sockets
Vasos con Alargadera

NV14145-100 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	100	161	1	*1
12	18	25	12	100	178	1	*1
13	19	25	13	100	175	1	*1
14	21	25	14	100	181	1	*1
15	22	25	15	100	185	1	*1
16	24	25	15	100	193	1	*1
17	25	25	15	100	201	1	*1
18	26	25	15	100	211	1	*1
19	28	25	15	100	221	1	*1

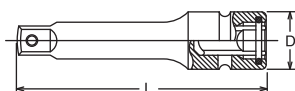
NV14145-150 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	150	200	1	*1
12	18	25	12	150	215	1	*1
13	19	25	13	150	220	1	*1
14	21	25	14	150	225	1	*1
15	22	25	15	150	230	1	*1
16	24	25	15	150	240	1	*1
17	25	25	15	150	250	1	*1
18	26	25	15	150	262	1	*1
19	28	25	15	150	275	1	*1

NV14145-200 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	200	236	1	*1
12	18	25	12	200	250	1	*1
13	19	25	13	200	260	1	*1
14	21	25	14	200	270	1	*1
15	22	25	15	200	275	1	*1
16	24	25	15	200	287	1	*1
17	25	25	15	200	300	1	*1
18	26	25	15	200	310	1	*1
19	28	25	15	200	320	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41

➔ P254-255

NV14760-P

Extension Bars
Alargaderas

NV14760	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
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=C41, Pin/O-Ring=A41/B41

➔ P254-255

NV14433A-P

Adaptors
AdaptadoresNo Warranty
Sin Garantía

NV14433A	(mm)	(mm)	L (mm)	(g)	(pcs.)	
75P	1/2"	3/8"	75	120	1	*1
100P	1/2"	3/8"	100	145	1	*1
150P	1/2"	3/8"	150	187	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41

➔ 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

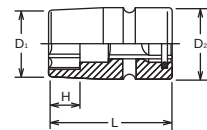
NV16400 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	68	483	5	*1
29	45	44	18	68	464	5	*1
30	46.3	44	18	68	492	5	*1
32	48.8	44	19	70	514	5	*1
33	50	44	20	70	564	5	*1
34	51.3	44	20	70	588	5	*1
35	52.5	44	20	70	593	5	*1
36	53.8	44	20	70	598	5	*1
38	56.3	44	20	72	670	2	*1
41	60	44	22	72	687	2	*1
46	66.3	44	23	77	906	2	*1
50	69	44	23	77	1116	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔ P254-255

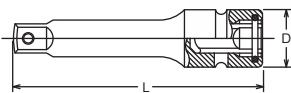


FLAT DRIVE®

NV16400 6-point Sockets Vasos Hexagonales



NV16760 Extension Bars Alargaderas



NV16760	D (mm)	L (mm)	(g)	(pce.)	
175	44	175	870	1	*1
250	44	250	1160	1	*1
330	44	330	1460	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔ P254-255

Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

C-Ring Lock Clamps and Pullers

Aro de Sujeción en C y Extractor

Z-SERIES

HAND

MANUALES

TITANIUM

DE TITANIO

ACCESSORIES

ACCESORIOS

SCREWDRIVERS

DESTORNILLADORES

IMPACT

DE IMPACTO

SLEEVE-DRIVE

INDUSTRIAL

INDUSTRIALES

PROTECTOR

PROTECTORES

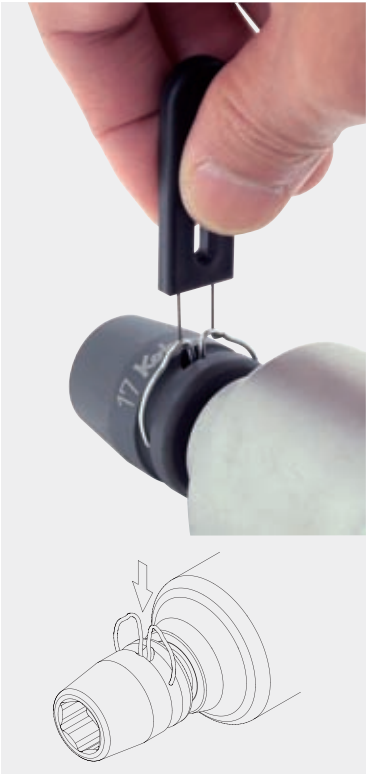
AUTOMOTIVE

CONSTRUCTION

CONSTRUCCIÓN

RENEWAL KITS

JUEGOS DE PIEZAS REPUESTO



One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

Aro de acero elástico de una pieza. Colocación sencilla apretando con el dedo y fácilmente extraíble con el extractor. Mucho más cómodo y seguro que la combinación de pasador y junta tórica.

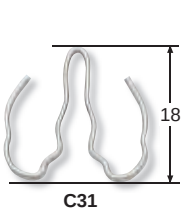


C-RING

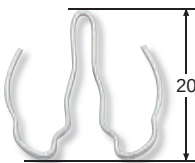


C-Ring

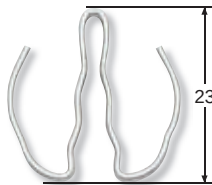
No.	Opening (mm)	Opening (mm)	(pcs.)
C31	3/8"	≤12	100
C32	3/8"	>12	100
C41	1/2"	≤14	100
C42	1/2"	>14	100
C61	3/4"	≤46	100
C81	1"	≤46	100
C82	1"	47-70	50
C83	1"	>70	50
C71	1-1/2"	≤90	50



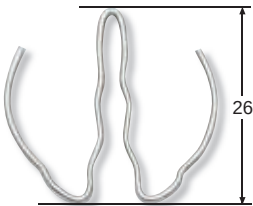
C31



C32



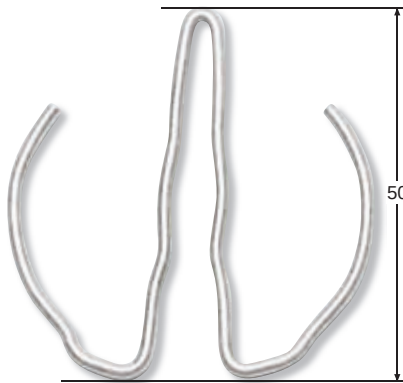
C41



C42



C61



C81

C-Ring Set

Set No.	C-Ring 10pcs.	Puller 1pce.
PKC31	3/8"	C31 + 149
PKC32	3/8"	C32 + 149
PKC41	1/2"	C41 + 149
PKC42	1/2"	C42 + 149
PKC61	3/4"	C61 + 152
PKC81	1"	C81 + 152

Puller

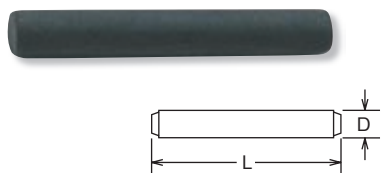
No.	Opening (mm)	Opening (mm)	(pcs.)
149	3/8"	1/2"	10
152	3/4"	1"	10



149

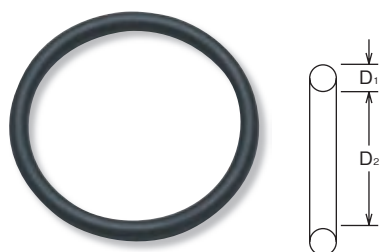


152



Pin

	No.		Opening (mm)	D (mm)	L (mm)	 (pcs.)
	A21	1/4"		1.5	10.2	100
	A31	3/8"	≤ 12	2.5	14.5	100
	A32	3/8"	> 12	2.5	17.5	100
	A41	1/2"	≤ 14	3	20	100
	A42	1/2"	> 14	3	25	100
	A51	5/8"		4	29	100
	A61	3/4"	≤ 46	4	35	100
	A62	3/4"	> 46	4	45	100
	A81	1"	≤ 46	5	45	100
	A82	1"	47-70	5	57	50
	A83	1"	> 70	5	75	50
	A71	1-1/2"	≤ 90	6	75	50
	A72	1-1/2"	> 90	6	110	50
	A91	2-1/2"	≤ 115	8	110	50
	A92	2-1/2"	> 115	8	155	50
	A01	3-1/2"	≤ 140	13	155	1
	A02	3-1/2"	> 140	13	180	1



O-Ring

	No.		Opening (mm)	D ₁ (mm)	D ₂ (mm)	 (pcs.)
	B21	1/4"		2.5	9	100
	B31	3/8"	≤ 12	3.5	13	100
	B32	3/8"	> 12	3.5	16	100
	B41	1/2"	≤ 14	4	19	100
	B42	1/2"	> 14	4	24	100
	B51	5/8"		5	28	100
	B61	3/4"	≤ 46	5	36	100
	B62	3/4"	> 46	5	45	100
	B81	1"	≤ 46	7	45	100
	B82	1"	47-70	7	57	50
	B83	1"	> 70	7	75	50
	B71	1-1/2"	≤ 90	10	75	50
	B72	1-1/2"	> 90	10	114	50
	B91	2-1/2"	≤ 115	10.5	114	50
	B92	2-1/2"	> 115	10.5	158	50
	B01	3-1/2"	≤ 140	15	158	1
	B02	3-1/2"	> 140	15	183	1



Pins & O Rings/C-Ring Lock Clamps

Pasadores y Juntas Tóricas/Aros de Sujeción en C

IMPACT Standard Sockets	Sq. Dr.	1/4"	3/8"		1/2"		3/4"		1"			1-1/2"	
	C-Ring	C31	C32	C41	C42	C61	C81	C81	C82	C83	C71		
	size	A21/B21	A31/B31	A32/B32	A41/B41	A42/B42	A61/B61	A62/62	A81/B81	A82/B82	A83/B83	A71/B71	A72/B72
4		●											
4.5	3/16	●											
5		●											
5.5		●											
6	1/4	●	●		●								
7	9/32	●	●		●								
8	5/16	●	●		●								
9	11/32	●	●		●								
10	3/8	●	●		●								
11	7/16	●	●		●								
12		●	●		●								
13	1/2	●		●	●								
14	9/16	●			●		●						
15				●		●							
16	5/8			●		●							
17	11/16			●		●		●					
18				●		●		●					
19	3/4			●		●		●					
20				●		●		●					
21	13/16			●		●		●					
22	7/8			●		●		●					
23				●		●		●					
24	15/16			●		●		●					
25	1					●		●					
26						●		●					
27	1- 1/16					●		●					
28						●		●					
29	1- 1/8					●		●					
30	1- 3/16					●		●					
31						●		●					
32	1- 1/4					●		●					
33	1- 5/16					●		●					
34	1- 3/8					●		●					
36						●		●				●	
37	1- 7/16					●		●				●	
38	1- 1/2					●		●				●	
39						●		●				●	
40	1- 9/16					●		●				●	
41	1- 5/8					●		●				●	
42								●				●	
43	1- 11/16							●				●	
44								●				●	
45	1- 3/4							●				●	
46	1- 13/16							●				●	
47								●	●			●	
48	1- 7/8							●	●	●		●	
	1- 15/16							●	●	●		●	
50								●	●	●		●	
	2							●	●	●		●	
52	2- 1/16							●	●	●		●	
54	2- 1/8							●	●	●		●	
55	2- 3/16							●	●	●		●	
56								●	●	●		●	
	2- 1/4							●	●	●		●	
58	2- 5/16							●	●	●		●	
60	2- 3/8							●	●	●		●	
62	2- 7/16							●	●	●		●	
63								●	●	●		●	
	2- 1/2							●	●	●		●	
65	2- 9/16							●	●	●		●	
67	2- 5/8							●	●	●		●	
68	2- 11/16							●	●	●		●	
70	2- 3/4							●	●	●		●	
	2- 13/16										●	●	
	2- 7/8										●	●	
75	2- 15/16										●	●	
	3										●	●	
	3- 1/16										●	●	
80	3- 1/8										●	●	
	3- 1/4										●	●	
85											●	●	
	3- 3/8										●	●	
90	3- 1/2										●	●	
	3- 5/8										●	●	
95	3- 3/4										●	●	
100	3- 7/8										●	●	●
105	4										●	●	●
	4- 1/8											●	●
110	4- 1/4											●	●
115	4- 1/2											●	●
120	4- 5/8											●	●
	4- 3/4											●	●
125	4- 7/8											●	●
130	5											●	●
135	5- 1/4											●	●
140												●	●
150												●	●
	6											●	●
	6- 1/2											●	●

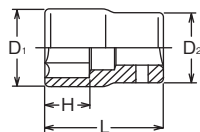
Industrial Sockets

1/4"

3/8"

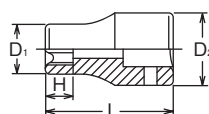
1/2"



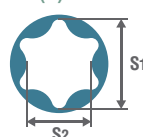
22400M 6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

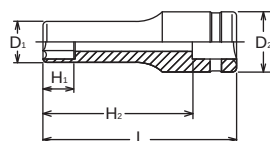
22400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10

22425 TORX® Sockets
Vasos TORX®

22425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

TORX®
(E)

E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

22300M • 22300A 6-point Sockets, Deep
Vasos Hexagonales, largos

22300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	10.5	11.2	8	40	50	24	10
8	11.8	11.2	9	40	50	28	10
10	14.3	12.9	11	39	50	33	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	50	10

22300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
1/4	9.8	11.2	7	40	50	24	10
5/16	11.8	11.2	9	40	50	28	10
3/8	13.7	12.5	11	40	50	33	10



INDUSTRIAL sockets are thin walled sockets and to be used on electric or pneumatic nut runners for assembly work only.

Los vasos INDUSTRIALES son vasos de pared delgada para su utilización con herramientas eléctricas o neumáticas solamente para trabajos de montaje.

23400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	6.9	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	9.3	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10
21	28	26	14.5	32	77	10

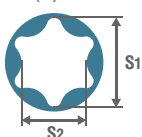
23400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.3	6.9	26	22	10
3/8	13.9	17.3	8	26	22	10
7/16	15.8	17.3	9.3	26	25	10
1/2	18	17	9.4	26	24	10
9/16	19.5	18.5	11	27	31	10
11/16	24.6	22.5	13	30	51	10
3/4	26	23.5	13.5	30	63	10

23405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
14	19.5	18.5	11	27	31	10

23410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10

23425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18.1	17	11.8	26	27	10

TORX®
(E)



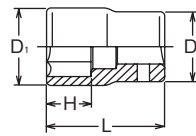
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3



FLAT DRIVE®

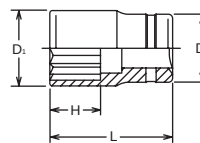
23400M • 23400A

6-point Sockets
Vasos Hexagonales



23405M

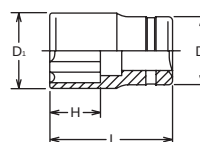
12-point Sockets
Vasos Bihexagonales



SURFACE DRIVE

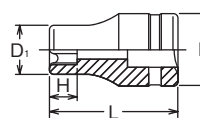
23410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)



23425

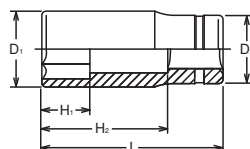
TORX® Sockets
Vasos TORX®



23300M • 23300A

6-point Sockets, Deep
Vasos Hexagonales, largos

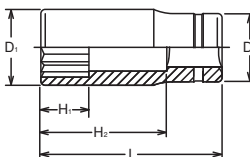
FLAT DRIVE®



23300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7	10.6	17.4	8	41.5	55	40	10
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	55	79	10
17	23.5	22	18	40.5	55	96	10
18	24.5	23	19	39.5	55	96	10
19	25	24	20	39.5	55	102	10

23300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.4	9	41.5	55	45	10
3/8	14	17.4	11	41.5	55	51	10
7/16	16	17.2	12	41.5	55	55	10
1/2	18	17	14	41.5	55	57	10
9/16	20	18	16	41.5	55	68	10
11/16	23.5	22	18	40.5	55	96	10
3/4	25	24	20	39.5	55	102	10

23305M

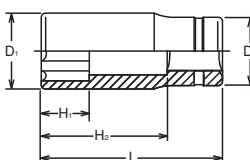
12-point Deep Sockets
Vasos Bihexagonales Largos

23305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
14	20	18	16	41.5	55	68	10

23310M

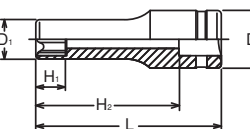
Surface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos

SURFACE DRIVE



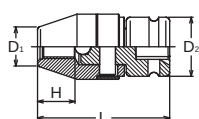
23310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	80	10
17	23.5	22	18	40.5	55	96	10

23325

TORX® Deep Sockets
Vasos TORX®, largos

23325 (E)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
E 5	6.9	17.4	5.2	41.5	55	50	10
E 6	7.9	17.4	5.4	41.5	55	52	10
E 7	8.9	17.4	6.6	41.5	55	55	10
E 8	9.9	17.4	7	41.5	55	58	10
E10	11.8	17.2	8.2	41.5	55	60	10
E12	14.5	17.2	9.3	41.5	55	68	10
E14	15.7	17.2	10.6	41.5	55	77	10
E16	18	17	11.8	41.5	55	80	10

23103M

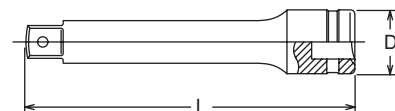
Stud Bolt Setters
Vasos para apretar pernos

23103M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
New 6(1.0)	11.1	22	9	53	155	10
New 8(1.25)	13.6	22	11	55	160	10
New 10(1.25)	16	22	13	57	170	10
New 10(1.5)	16	22	13	57	170	10

23760-P

Extension Bars
Alargaderas

23760	D (mm)	L (mm)	(g)	(pcs.)
75P	18	75	70	10
125P	18	125	110	10
250P	18	250	200	5



24400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
20	27.9	26	15	38	92	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.9	30	17	42	140	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
32	42.8	38	23	46	250	5

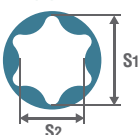
24400A (inch)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	5

24405M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
14	20.3	22	11	37	56	10
17	24.1	23	12.5	37	69	10
19	26.6	25	14	38	89	10

24410M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
24	32.9	30	17	42	140	5

24425 (E)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10	13.2	21	8.2	36	68	10
E12	14.6	21	9.3	37	70	10
E14	16.5	21	10.6	37	75	10
E16	19	21.9	11.8	37	80	10
E18	20.3	21.9	13	37	83	10
E20	22.9	22	14.4	37	121	10

TORX®
(E)



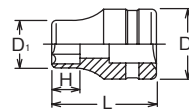
E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S ₁ (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S ₂ (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3



FLAT DRIVE®

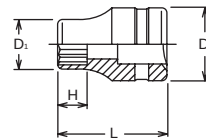
24400M • 24400A

6-point Sockets
Vasos Hexagonales



24405M

12-point Sockets
Vasos Bihexagonales

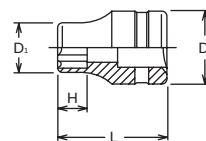


24410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

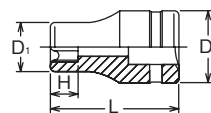


SURFACE DRIVE



24425

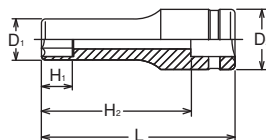
TORX® Sockets
Vasos TORX®



24300M • 24300A

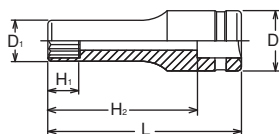
6-point Sockets, Deep
Vasos Hexagonales, largos

FLAT DRIVE®



24300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
11	16.5	21	12	59	77	95	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	164	10
19	26.5	25	20	58	77	177	10
20	27.8	26	21	58	77	178	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	252	10
27	36.5	33	28	56	77	303	10
30	40	36	34	55	77	342	10
32	42.8	38	34	55	77	405	10

24305M

12-point Deep Sockets
Vasos Bihexagonales Largos

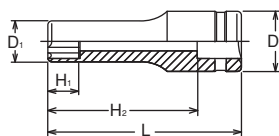
24300A (inch)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	12	59	77	95	10
1/2	19	21.8	14	59	77	107	10
9/16	20.3	21.8	16	59	77	118	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	150	10
11/16	25	24	19	59	77	164	10
3/4	26.5	25	20	58	77	177	10
13/16	29	27	23	58	77	187	10
15/16	32.8	30	27	57	77	252	10

24305M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
14	20.3	21.8	16	59	77	118	10
17	24	23	18	59	77	150	10
19	26.5	25	20	58	77	177	10

24310M

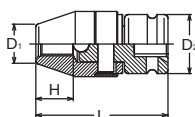
Surface Drive Sockets, Deep
Vasos Surface Drive (de Contacto Curvo) Largos

SURFACE DRIVE



24310M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	160	10
19	26.5	25	20	58	77	177	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	250	10

24103M

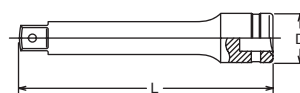
Stud Bolt Setters
Vasos para apretar pernos

24103M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8(1.25)	15.4	30	15	62	290	10
10(1.25)	17.8	30	18	65	300	10
10(1.5)	17.8	30	18	65	300	10
12(1.75)	20.2	30	19	67	310	10

24760-P

Extension Bars
Alargaderas

24760	D (mm)	L (mm)	(g)	(pcs.)
75P	24	75	140	10
125P	24	125	200	5
250P	24	250	370	5



3/8"

1/2"

◆ 1/4"

Sockets with Turnable Plastic Protectors





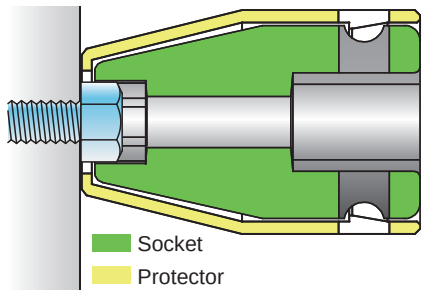
Safety

Turnable plastic protector increases operator's safety during assembly process.



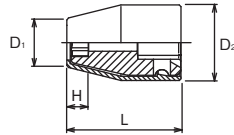
Scratch proof

Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.



3/8" Plastic Protector Protectores Plásticos

13400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)
8FR	15.7	22	6	33.3	40
10FR	18.2	22	7	33.3	40
12FR	20.8	22	9	33.3	43
13FR	21.8	25	10	33.3	56
14FR	23.6	25	10	33.3	56
16FR	26.1	25	11	33.3	57
17FR	27.3	25	12	33.3	60



13400M-FR

6-point Sockets
Vasos Hexagonales

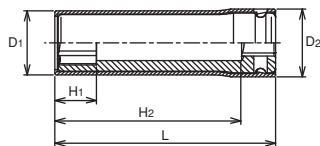


13300M-FR

6-point Sockets, Deep
Vasos Hexagonales Largos



13300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	16.1	22	9	67.5	81.3	87
10FR	18.6	22	11	67.5	81.3	99
12FR	21.1	22	13	67.5	81.3	116
13FR	22.3	25	14	67.5	81.3	143
14FR	23.6	25	15	67.5	81.3	153
16FR	26	25	17	66.5	81.3	161
17FR	27.2	25	18	66.5	81.3	173

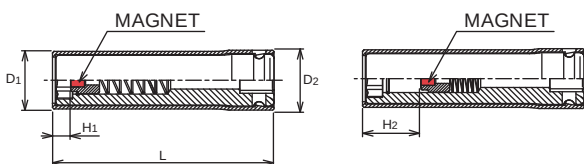


13300G-FR

Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo



13300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
8FR	16.1	22	5	27.5	81.3	87
10FR	18.6	22	5.5	27	81.3	110
12FR	21.1	22	7	27	81.3	141
13FR	22.3	25	7.5	26	81.3	170
14FR	23.6	25	8	25	81.3	191
16FR	26	25	8.5	28	81.3	215
17FR	27.2	25	9	28	81.3	225

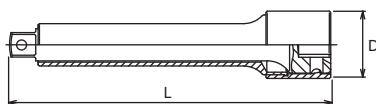


13760-P.FR

Extension Bars
Alargaderas



	D (mm)	L (mm)	(g)
13760-75P.FR	26.2	75	100
13760-125P.FR	26.2	125	145
13760-250P.FR	26.2	250	220



The Protectors could be broken with any Impacts. Please handle with care.

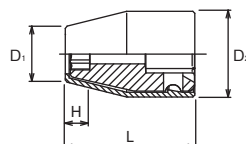
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

14400M-FR

6-point Sockets
Vasos Hexagonales

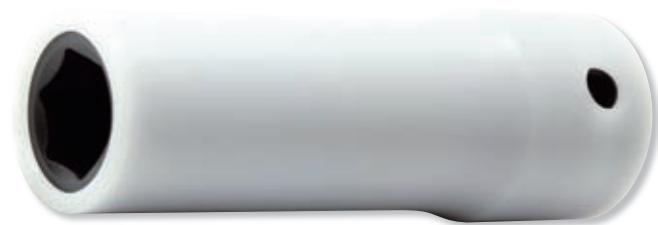


14400M (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)
10FR	19.5	28	7	39.3	90
12FR	22	28	9	39.3	90
13FR	23.2	28	10	39.3	90
14FR	24.8	28	11	39.3	90
16FR	27	33	10	39.3	135
17FR	28.2	33	12	39.3	135
19FR	31	33	13	39.3	130

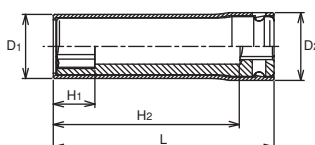


14300M-FR

6-point Sockets, Deep
Vasos Hexagonales Largos



14300M (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
New 10FR	19.8	28	11	63	81.3	145
New 12FR	22.3	28	13	63	81.3	167
New 13FR	23.5	28	14	63	81.3	167
New 14FR	24.8	28	15	63	81.3	179
New 16FR	27.3	33	17	63	81.3	237
New 17FR	28.5	33	18	63	81.3	237
New 19FR	31	33	20	62	81.3	245

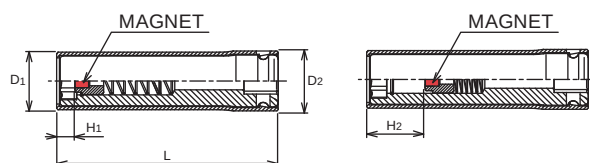


14300G-FR

Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo



14300G (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
New 10FR	19.8	28	5.5	27	81.3	145
New 12FR	22.3	28	7	27	81.3	170
New 13FR	23.5	28	7.5	26	81.3	190
New 14FR	24.8	28	8	25	81.3	194
New 16FR	27.3	33	8.5	27.5	81.3	275
New 17FR	28.5	33	9	27.5	81.3	277
New 19FR	31	33	10	28.5	81.3	313

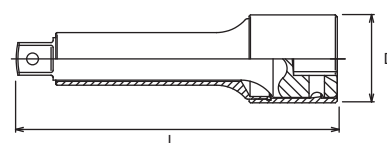


14760-P.FR

Extension Bars
Alargaderas



	D (mm)	L (mm)	(g)
New 14760-75P.FR	34.2	75	195
14760-125P.FR	34.2	125	280
14760-250P.FR	34.2	250	480



The protector could be broken with any impacts. Please handle with care.

1/4" Plastic Protector

Protectores Plásticos

	113.75 (mm)	D (mm)	H (mm)	L (mm)	(g)
New	8SV	15.1	6	75	34
New	10SV	16.9	7	75	37
New	12SV	19.4	8	75	44
New	13SV	20.4	8	75	45
New	14SV	21.3	9	75	45

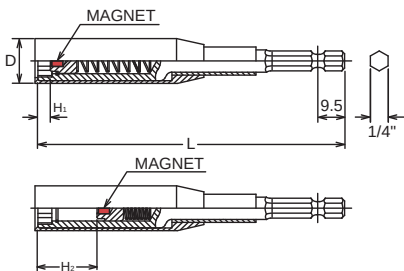
	113.100 (mm)	D (mm)	H (mm)	L (mm)	(g)
New	8SV	15.1	6	100	43
New	10SV	16.9	7	100	47
New	12SV	19.4	8	100	54
New	13SV	20.4	8	100	55
New	14SV	21.3	9	100	55

	113.150 (mm)	D (mm)	H (mm)	L (mm)	(g)
New	8SV	15.1	6	150	62
New	10SV	16.9	7	150	66
New	12SV	19.4	8	150	72
New	13SV	20.4	8	150	80
New	14SV	21.3	9	150	80

	115.75 (mm)	D (mm)	H (mm)	L (mm)	(g)
New	8SV	15.1	3.5	75	35
New	10SV	16.9	4.2	75	40
New	12SV	19.4	5.6	75	48
New	13SV	20.4	6	75	54
New	14SV	21.3	6.4	75	54

	115.100 (mm)	D (mm)	H (mm)	L (mm)	(g)
New	8SV	15.1	3.5	100	44
New	10SV	16.9	4.2	100	52
New	12SV	19.4	5.6	100	60
New	13SV	20.4	6	100	67
New	14SV	21.3	6.4	100	67

	115.150 (mm)	D (mm)	H (mm)	L (mm)	(g)
New	8SV	15.1	3.5	150	63
New	10SV	16.9	4.2	150	70
New	12SV	19.4	5.6	150	79
New	13SV	20.4	6	150	87
New	14SV	21.3	6.4	150	87

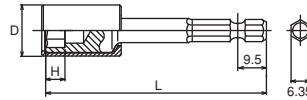


	115G.100 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
New	8FR	15.1	4	26	100	55
New	10FR	16.9	4.5	26	100	60
New	12FR	19.3	6	26	100	80
New	13FR	20.4	6.5	25	100	85
New	14FR	21.3	7	24	100	85

	115G.150 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
New	8FR	15.1	4	26	150	75
New	10FR	16.9	4.5	26	150	80
New	12FR	19.3	6	26	150	100
New	13FR	20.4	6.5	25	150	110
New	14FR	21.3	7	24	150	110

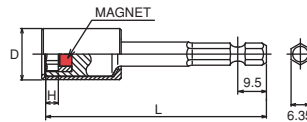
113-75SV · -100SV · -150SV

Nut Setters
Vasos para apretar tuercas Hexagonales



115-75SV · -100SV · -150SV

Nut Setters with Magnet
Vasos para tuercas con Imán



115G-100FR · -150FR · -200FR

Nut Setters with Sliding Magnet
Vasos para tuercas con Imán Corredizo



	115G.200 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)
New	8FR	15.1	4	26	200	90
New	10FR	16.9	4.5	26	200	100
New	12FR	19.3	6	26	200	125
New	13FR	20.4	6.5	25	200	135
New	14FR	21.3	7	24	200	135

The Protectors could be broken with any Impacts. Please handle with care.

Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
CONSTRUCTION
CONSTRUCCION
RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO



Specifications or design of any product in this catalogue are subject to change without notice.

Las especificaciones o el diseño de cualquiera de los productos de este catálogo están sujetos a cambio sin previo aviso.



REPLACEMENT

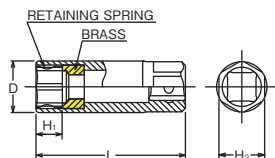
Remove a damaged Protector and put a new Protector on socket / Extension bar by pressing.
For your safety, worn out or cracked Protector must be replaced.

SUSTITUCION

Retire el protector dañado y coloque un nuevo protector en la llave de vaso / barra de extensión presionando.
Por su seguridad, los protectores desgastados o agrietados deben ser sustituidos

Automotive Tools

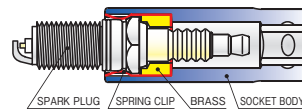
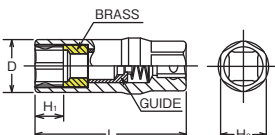


3300C • 4300CSpark Plug Sockets with Spring Clips
Llaves de Bujía con PresillasSPARK PLUG
SOCKET

3300C (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
13		17.5	11	17	70	66	10
14		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

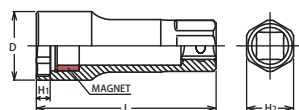
4300C (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
16		21	13	21	70	101	10
18	1/2"	23.9	12	21	70	132	10
20.8		26.9	13.5	22	70	130	10

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**SPARK PLUG SOCKETS with SPRING CLIP**

An internal brass guide holds the clips in place, which ensures perfect alignment of the spark plug into the threaded plug hole of the cylinder head, thus preventing thread damage. The brass guide also eliminates stress loading and possible damage to the ceramic insulator of the spark plug.

Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

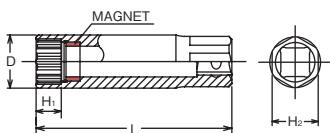
3300PSpark Plug Socket with Magnet
Llaves de bujía con Imán

3300P (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
19	3/8"	24.8	5	17	65	88	10



19mm spark plug for generators,
grass trimmers and chainsaws

The magnet could be broken with any impacts. Please handle with care.

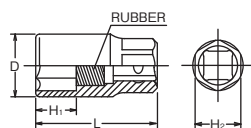
3305PSpark Plug Socket with Magnet, 12-point Opening
Llaves de bujía con Imán, Boca Bihex

3305P (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(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

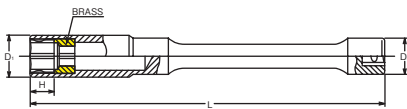


The magnet could be broken with any impacts. Please handle with care.

3300S • 4300SSpark Plug Sockets with Rubber
Llaves de bujía con Goma

3300S (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
16		20.9	19	17	70	100	10
18		23.9	21	21	70	145	10
20.8		26.9	27	22	70	140	10

4300S (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
16		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

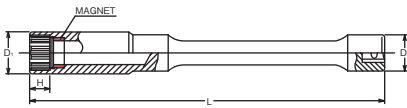


SPARK PLUG SOCKET

3300C.180 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19	18	11	180	205	5
16	3/8"	20.5	18	13	180	220	5
20.8		26.9	18	13.5	180	260	5

3300C.250 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19	18	11	250	271	5
16	3/8"	20.5	18	13	250	290	5
20.8		26.9	18	13.5	250	340	5

⚠ Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.



3305P.250 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	18	8	250	250	5

⚠ The magnet could be broken with any impacts. Please handle with care.

3340C (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
14		19	19	11	88	109	10
16	3/8"	21	19	13	88	122	10
18		23.9	19	12	88	145	10
20.8		26.8	19	13.5	88	174	10

4340C (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
16	1/2"	21	25	13	107	220	10
20.8		26.8	25	13.5	107	250	10

⚠ Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

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.



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.

3300C-180 • -250

○ Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas



3305P-250

○ Spark Plug Socket with Magnet, 12-point Opening
Llave de bujía con Imán, Boca Bihex

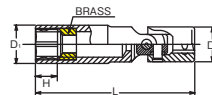


3340C • 4340C

○ Universal Spark Plug Sockets with Spring Clips
Llaves de bujía con Presillas con Articulación Universal

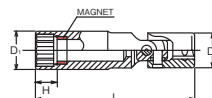


SPARK PLUG SOCKET



3345P

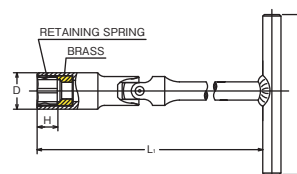
○ Universal Spark Plug Socket with Magnet, 12-point opening
Llave de bujía con Imán con Articulación Universal, Boca Bihex



SPARK PLUG SOCKET

127C

○ T-type Universal Spark Plug Socket Wrench
Llave de Bujías en T con Articulación Universal



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

3751N Torque Ratchet for Spark Plugs
Llave de Bujías Dinamométrica

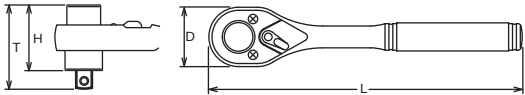


3751J Torque Ratchet for Spark Plugs
Llave de Bujías Dinamométrica



TORQUE RATCHET

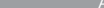
The torque is set at 25Nm. When the torque is loaded higher than 25Nm, the gear slips and no increased torque is transmitted. Cylinder heads and spark plugs are protected by this mechanism.



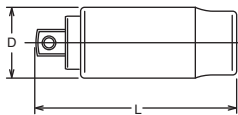
		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3751N-25	3/8"	34	57	43	178	320	1
3751J-25	3/8"	34	57	43	178	320	1

3225A Set for Torque Controlled Installation of Spark Plugs
Juego de Llaves de Bujías Dinamométricas



3225A		4 Pieces Set/🔧=960g	
METAL CASE:W215×H80×T47mm			
Sockets		Accessories	
	3300C Spark Plug Sockets 16, 20.8		3751J-25
			3763-125

3701 Torque Adaptors 20Nm / 30Nm
Adaptadores de Par 20Nm / 30Nm



3701		D (mm)	L (mm)	(g)	(pce.)
20Nm	3/8"	25.5	75	178	1
30Nm	3/8"	28	75	220	1

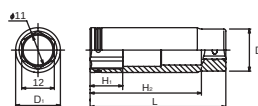


2350G-PSG (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
12	1/4"	16.5	15.5	12	41	50	41	10



2350G-12PSG

Sockets for PSG-Glow Plugs
Vasos para PSG-Bujías de pre-calentamiento

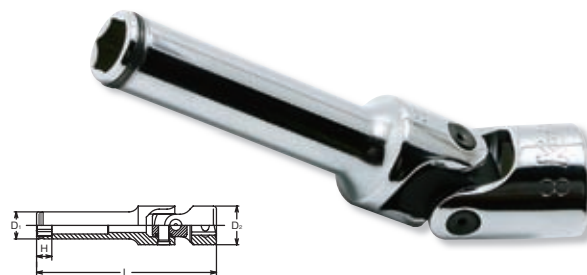


3341G-70 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
10	3/8"	14.5	19	6	70	76	10
11		15.8	19	6	70	80	10
12		17	19	6	70	85	10



3341G-70 · -89

Universal Glow Plug Sockets with NUT GRIP®
Llaves de Calentador con Articulación Universal con Sujeta-Tuerca (Nut Grip®)



3341G-89 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
8	3/8"	12	19	7.5	89	82	10
9		13.3	19	7.5	89	87	10
10		14.5	19	6	89	92	10
12(DP52)		17	19	14	89	101	10

GLOW PLUG SOCKETS, NUT GRIP®

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.

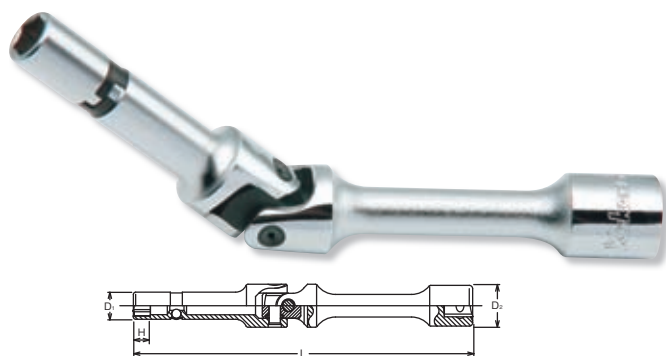
El perno/tuerca se sujeta firmemente por medio de dos bolas en la boca hexagonal para un trabajo seguro y fiable



3342G-150 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
8	3/8"	12	18	7.5	150	137	10

3342G-150

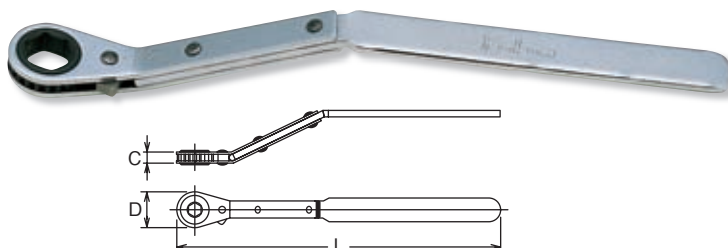
Deep length universal Glow Plug Socket
Llave de Calentador Larga con Articulación Universal



144KM (mm)	L (mm)	D ₁ (mm)	C (mm)	 (g)	 (pce.)
8	200	22.7	7.5	95	1
12	200	22.7	7.5	102	1

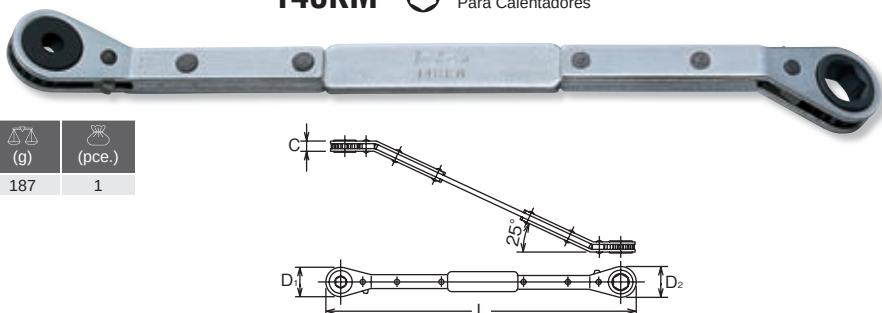
144KM

For Glow Plugs
Para Calentadores

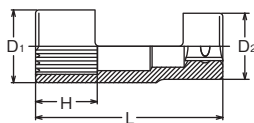


148KM

For Glow Plugs
Para Calentadores



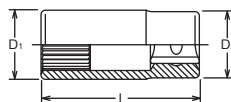
148KM (mm)	L (mm)	D ₁ (mm)	D ₂ (mm)	C (mm)	 (g)	 (pce.)
8S×12	245	23.6	24.6	9	187	1

SP4305M-77Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel

SP4305M.77 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
27	1/2"	36.5	33	28	77	212	10

SP4305M.77-27

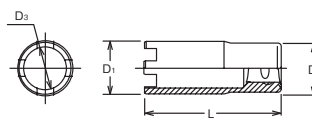
For fuel injection pump of BMW diesel cars.

4133Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel

		D ₁ (mm)	D ₂ (mm)	L (mm)	 (g)	 (pcs.)
4133	1/2"	23.9	23	55	86	10

4133

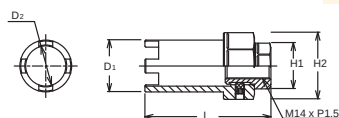
For fuel injection pump of M.B diesel cars.

4122-72Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel

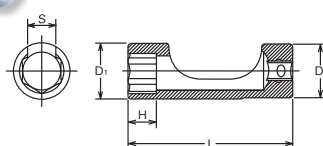
4122.72 (mm)		D ₁ (mm)	D ₂ (mm)	D ₃ (mm)	L (mm)	 (g)	 (pcs.)
22	1/2"	28.5	27	22	72	150	10

4122.72-22

For M.B Trucks, Holder nut of injection post.

SP4122-69Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel

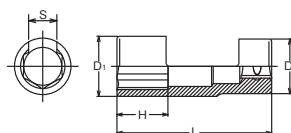
SP4122.69 (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
22	28.4	22	22	32	69	185	5

3300FNFlare Nut Sockets
Llaves de vaso para entubar

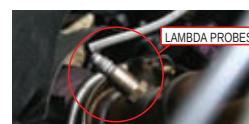
3300FN (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)	 (g)	 (pcs.)
8	3/8"	14.5	17.3	6	53	6.4	38	10
9		16	17.3	7	53	6.8	41	10
10		16.8	17.2	7.5	53	7.2	42	10
11		18	17	8.5	53	8.3	42	10
12		20	18	9	53	8.8	50	10
13		21.1	20	9.5	62	9.4	66	10
14		22	20	10.5	62	10.5	66	10
15		23	22	11	70	11.5	82	10
16		24	23	11.5	70	12	90	10
17		25	24	12.5	80	13	110	10
18		27	25	13	80	13.5	120	10
19		28	26	14	80	14.5	130	10
22		32	29.5	16	80	16	180	10
24		34.5	31.5	17	80	17	200	10

RS3300FN/6Socket Set on Rail
Juego de Vasos en Regleta

RS3300FN/6	6 Pieces Set/Rail 150mm	 (g)
8, 10, 12, 14, 17, 19		450

SP4300M-85Special socket for Lambda Probes
Vaso Especial para Sensores Lambda**SP4300M-110**

		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	S (mm)	 (g)	 (pcs.)
SP4300M.85-22	1/2"	33	30	29	85	8	228	10
SP4300M.110-22		33	30	34	110	8	279	5

**FLARE NUT SOCKET**

Socket for Lambda Probes

Open section allows for use with wire/connector.

4300H (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
24	1/2"	32.5	27	17	40	24	57	157	10
26		35	27	19	40	24	57	170	10
27		36.1	27	19.5	40	24	57	175	10

4300H series

Removes and installs oil pressure switches

4300H (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
27(8P)	1/2"	34	27	18.5	37	57	152	10

4300H(8P) series

Socket for Switches, Mercedes Benz and MAN

4010M.100 (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8(12P)	1/2"	23	63.5	100	132	10
10(12P)		23	63.5	100	135	10

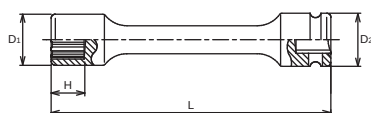
4010M.120 (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8(12P)	1/2"	23	83.5	120	151	10
10(12P)		23	83.5	120	155	10

**Cylinder head bolt socket for TOYOTA**4010M(12P) is Double Hex bit socket.
XZN(Triple Square) bit socket has different shape.

		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
ST4027.140	1/2"	23	103.5	140	155	10

**Head Bolt Bit Socket for VW/AUDI**

ST4027-140 can not substitute with 3027, 4027-CV bit series.

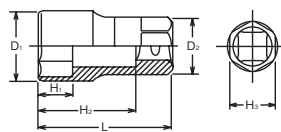
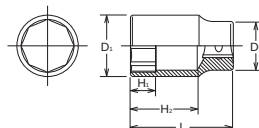
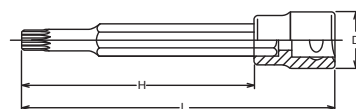
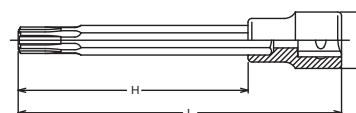


13145M.150 (12P) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	3/8"	15.8	19	10	150	120	1	*1
12		18.3	19	12	150	128	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔ P254-255

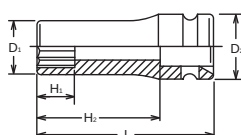
16305M (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
14	3/4"	26.3	44	14	74	100	500	2	*1
17		30	44	17	74	100	544	2	*1
19		32.5	44	19	74	100	655	2	*1
22		36.3	44	22	74	100	700	2	*1

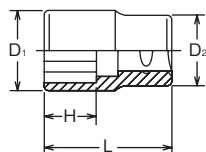
*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔ P254-255

4300H Oil Pressure Switch Sockets
Vasos para Presostatos de Aceite**4300H (8P)** 8-point Socket
Vaso Octagonales**4010M-100 · -120 (12P)** Bit Sockets for Double Inhex Screws (12-point)
Vasos con Punta para Tornillos Doble Inhex (BiHex)**ST4027-140**Head Bolt Bit Socket for VW/AUDI
Vasos con Punta para Perno de Culata VW/AUDI**13145M-150 · -200 (12P)** Extra Long Sockets
Vasos Extra-Largos

13145M.200 (12P) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	3/8"	15.8	19	10	200	151	1	*1
12		18.3	19	12	200	159	1	*1

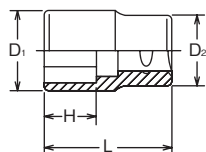
*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔ P254-255

16305M12-point Sockets, Deep
Vasos BiHexagonales Largos

4109M Double Square Sockets
Vasos Octagonales

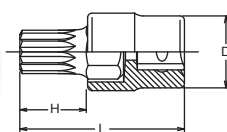
4109M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
14		26.8	26	11	38	110	10
17		30	28	12.5	40	140	10
19		31.5	29	14	40	150	10
21.5		35	32	16	40	170	10
23		37	34	16.5	43	180	10

4109M series
For Lubrication service

4111M 6-point Socket
Vaso Hexagonales

4111M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
24		32	30	17	40	133	10

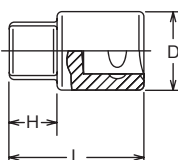
4111M
For Lubrication service

4020-60 (MH) Bit Socket for Triple Square with hole
Vaso con Punta para Tornillos XZN con agujero

4020.60 (XZN)		D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
MH16		24	20	60	135	10

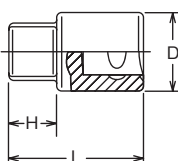


4020-60-MH16
Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

3110M • 3110A 4-point Male Sockets
Vasos con Macho Cuadrado

3110M (mm)		D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
6		18	10	28	30	10
8		18	10	28	30	10
10		18	10	28	33	10
12		18	10	28	37	10

3110A (inch)		D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
5/16		18	10	28	30	10
3/8		18	10	28	33	10
1/2		18	10	28	37	10

4110M • 4110A 4-point Male Sockets
Vasos Macho Cuadrado

4110M (mm)		D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
8		24	10	32	57	10
10		24	10	32	62	10
10.5		24	10	32	64	10
12		24	10	32	64	10
13		24	10	32	66	10
13.5		24	10	32	67	10
19		25	15	37	101	10
20		26	15	37	114	10

4110A (inch)		D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
3/8		24	10	32	62	10
1/2		24	10	32	64	10

158

For Lubrication Service
Para Lubricación



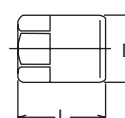
158 (mm)	L ₁ (mm)	L ₂ (mm)	d (mm)	(g)	(pcs.)
8S×10S	63	230	13	319	1



3012M.25 (mm)		D (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	25	30	10
17		19	25	30	10

3012M-25

Inhex Sockets
Vasos con Punta Hexagonal



4202

7 Pieces Set/7 Piezas Set/426g

METAL CASE: W190×H59×T45mm

Sockets



106 Drain Plug Keys
8S×10S, 8H×3/8H, 10H×11H, 12H×13H, 14H×17H, 19H



4102 Drain Plug Key Adaptor

4202

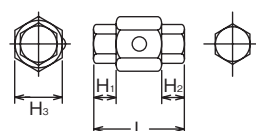
Drain Plug Keys Set
Juego de Llaves de Tapón de Vaciado



106 (mm)	H ₁ (mm)	H ₂ (mm)	H ₃ (mm)	L (mm)	(g)	(pcs.)
8S×10S	8	8	17	32	40	10
8H×3/8H	8	8	17	32	38	10
10H×11H	8	8	17	32	42	10
12H×13H	8	8	17	32	47	10
14H×17H	8	8	17	32	55	10
19H	-	8	17	24	49	10

106

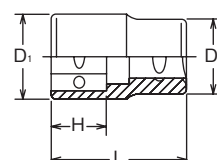
4-point / 6-point Male bits
Puntas Macho Cuadrado / Hexagonal



4102 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	1/2"	25	24	16	40	82	10

4102

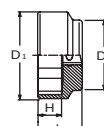
Adaptor for 106 Drain Plug Key
Adaptador para llave de tapón de Vaciado 106



3400M.24 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
27		36.5	21.5	13.5	24	76	10
30	3/8"	40	25	13.5	24	91	10
32		42.8	28	13.5	24	108	10
36		47.2	32	13.5	24	135	10

3400M-24

6-point Sockets
Vasos Hexagonales



3400M.24 Series
For Oil Filter

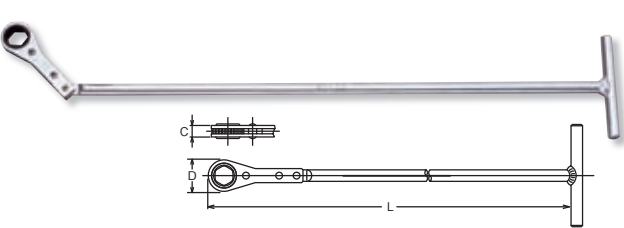
Z-SERIES
HAND
MANUALES
TITANIUM
DE TITANIO
ACCESSORIES
ACCESORIOS
SCREWDRIVERS
DESTORNILLADORES
IMPACT
DE IMPACTO
SLEEVE-DRIVE
INDUSTRIAL
INDUSTRIALES
PROTECTOR
PROTECTORES
AUTOMOTIVE
RENEWAL KITS
CONSTRUCTION
JUEGOS DE PIEZAS REPUESTO CONSTRUCCIÓN

1206 Push and Pull-Ratchet Set
Juego de Llave de Carraca de Empuje y Tracción



1206		3 Pieces Set/⚖️=320g
CARDBOARD BOX		
Sockets		Accessory
150.14H Sockets 12, 14	154K-14	

154K Push and Pull-Ratchets
Llaves de Carraca de Empuje y Tracción



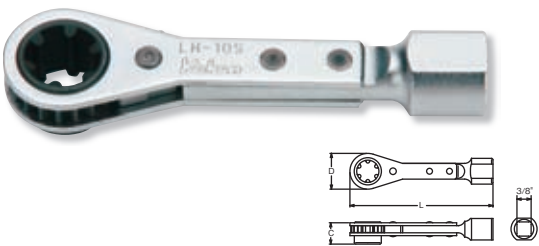
154K (mm)	L (mm)	D (mm)	C (mm)	⚖️ (g)	📦 (pcs.)
14	480	24.6	9	280	1

150-14H Socket, For 154K
Vasos

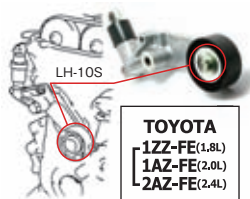


150.14H (mm)	D (mm)	H (mm)	L (mm)	⚖️ (g)	📦 (pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10

145LH3/8F Belt Tension Pulley Wrench ⚠️



145LH3/8F (LH-S)	📐	L (mm)	D (mm)	C (mm)	⚖️ (g)	📦 (pcs.)
10S	3/8"	100	25	15.5	90	10



Belt Tension Pulley Wrench
For LH-10S bolt on TOYOTA engines 1ZZ (1.8L), 1AZ (2.0L) and 2AZ (2.4L), belt tension pulley.

⚠️ This item has less strength due to the special design.

4282 Generator Service Set

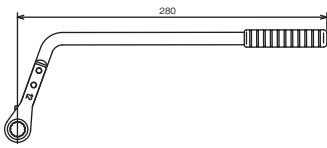


4282		4 Pieces Set/⚖️=449g
PLASTIC BAG		
Sockets		
4020.100-M10 4020.140-M10		
4025.100R-T50		
185		



Generator Service Set
For removing and installing belt pulley at the generator.

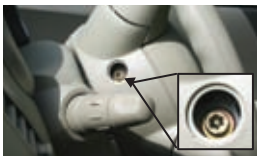
1210 • 1210E Door Hinge Wrench Set Juego de Llave de Bisagra de Puerta



1210 8 Pieces Set/🔧=450g	
PLASTIC BAG	
Sockets	Accessory
179B.12H Sockets 10, 12	145KD-12
179B.12H XZN Bits M6, M8, M10, M12	
179B.12H TORX® Bit T45	

1210E 11 Pieces Set/🔧=460g	
PLASTIC BAG	
Sockets	Accessory
179B.12H Sockets 10, 12, 13	145KD-12
179B.12H XZN Bits M8, M10, M12	
179B.12H TORX® Bits T40, T45, T50	
179B.12H Hex Bit 8	

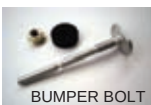
3247 4 Pieces Set/🔧=385g	
PLASTIC BAG	
Sockets	
3025.160 Tamper-resistant TORX® Bit Sockets T27H, T30H, T40H, T50H	



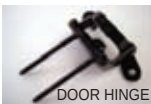
For Air Bag
For air-bag unit in hard to reach places in or around the steering wheel.

Tamper Resistant TORX® Bit
Sockets have less strength.

3300M/4-L120 4 Pieces Set/🔧=477g	
PLASTIC BAG	
Sockets	
3300M(L120) 6-pt. Extra Deep Sockets 8, 10, 12, 14	

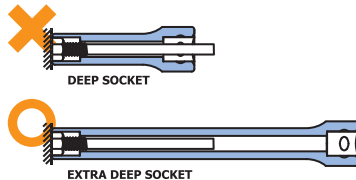


BUMPER BOLT



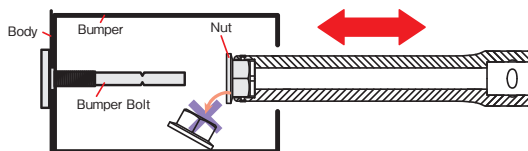
DOOR HINGE

Extra Deep Socket
Extra deep socket can be used to fasten or loosen longer bolts such as Bumper bolt and Door hinge etc.



3350M/2-L120 2 Pieces Set/🔧=230g	
PLASTIC BAG	
Sockets	
3350M(L120) Nut Grip Extra Deep Sockets 10, 12	

Nut Grip Extra Deep Socket



3247 Bit Socket Set Juego de Vasos con Punta

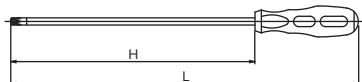
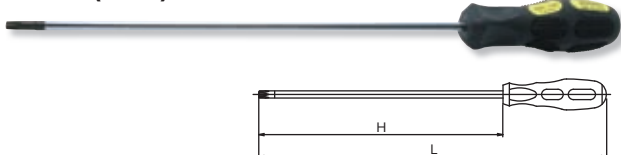
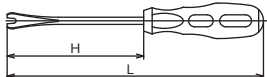
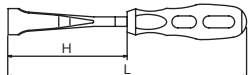


3300M/4-L120 Socket Set Juego de Vasos



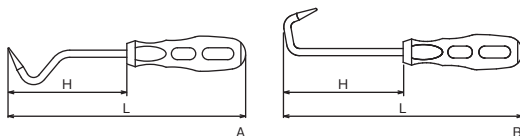
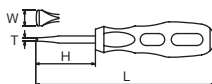
3350M/2-L120 Socket Set Juego de Vasos



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**169WM** Window Molding Remover
Extractor de Burletes de Ventana**169HR/2** Hose Remover, 2 pieces Set
Extractor de Mangueras, juego de 2 piezas

A

B

**169BP** For Battery Screws**1212** 4 Pieces Set/ =380g

PLASTIC BAG

Screwdrivers

-  **168T(250)**
20IPR
-  **168T(250)**
T20, T25, T30



Long shank Screw Screwdriver

168T(250) (IPR)	H (mm)	L (mm)	 (g)	 (pce.)
20IPR	250	350	85	1

168T(250) (T)	H (mm)	L (mm)	 (g)	 (pce.)
T20	250	350	85	1
T25	250	350	85	1
T30	250	360	120	1

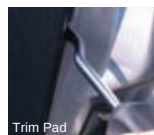
169/2 2 Pieces Set/ =200g

PLASTIC BAG

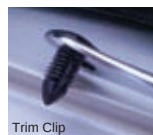
Clip Handles

169
6, 10

169	H (mm)	L (mm)	 (g)	 (pcs.)
6	115	215	80	2
10	120	230	110	2



Trim Pad



Trim Clip

Clip Handle

169WM	H (mm)	L (mm)	 (g)	 (pcs.)
169WM	100	210	90	2



Window Molding Remover

169HR/2 2 Pieces Set/ =180g

PLASTIC BAG

Hose Remover

169HR
A, B

169HR	H (mm)	L (mm)	 (g)	 (pcs.)
A	100	200	75	2
B	100	200	90	2



Hose Remover

169BP	T×W (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
1.8×13	1.8×13	50	150	60	2



For Battery screw



Quick Fastener

TORX is a registered trademark of Acument Intellectual Properties, LLC.
TORX es una marca registrada de Acument Intellectual Properties, LLC.

TORX is a registered trademark of Acument Intellectual Properties, LLC.
TORX es una marca registrada de Acument Intellectual Properties, LLC.

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	1/2"	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 C-Ring=C31, Pin/O-Ring=A31/B31 → P254-255

14145A.150 (inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)
9/16(D20)	1/2"	20	25	13	150	200	*1

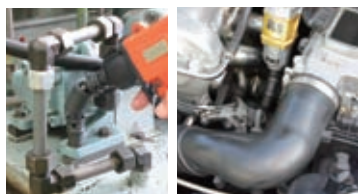
*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

For Land Rover Prop Shaft

		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
13772-B	3/8"	22	19	75	120	5
13772-P		22	19	75	120	5
14772-B	1/2"	27	25	90	230	1
14772-P		27	25	90	230	1

*1 C-Ring=C31, Pin/O-Ring=A31/B31

*2 C-Ring=C41, Pin/O-Ring=A41/B41



⚠ 13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

14305M (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
30		42	30	30	63	85	457	*2
32	1/2"	44.5	30	32	63	85	542	*2
36		49.5	30	36	61	85	635	*2

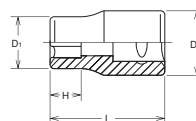
*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P254-255



4101		T×W (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

		T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6101	3/4"	6.4×33.5	35	50	205	5

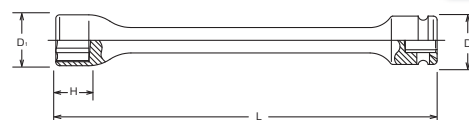
4425-N TORX® Sockets For Nut/Low Profile Head Bolt



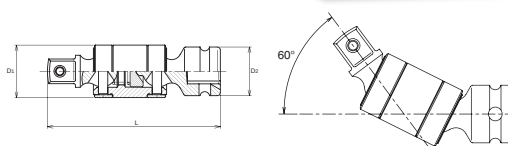
RS4425/6-N Socket Set on Rail Juego de Vasos en Regleta



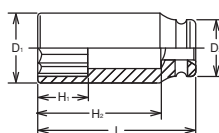
13145A-150 14145A-150 Extra Long Sockets Vasos Extra-Largos



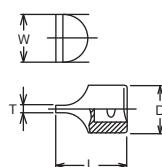
13772 14772 Universal Double Joint Articulación Universal



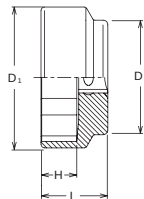
14305M 12-point Deep Sockets Vasos Bihexagonales Largos



4101 • 6101 Sockets for Slotted Heads Vasos para Cabeza Ranurada



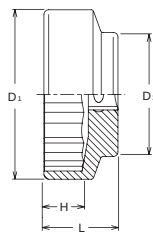
4400M-DU Rear Wheel Nut Socket



4400M		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
41DU		53	45	15	28	240	5
46DU		59	48	15	28	280	5



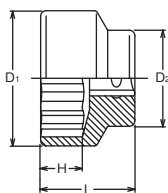
4405M-DU Rear Wheel Nut Socket



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



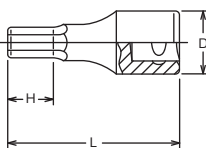
6405A-MV Rear Wheel Nut Socket



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

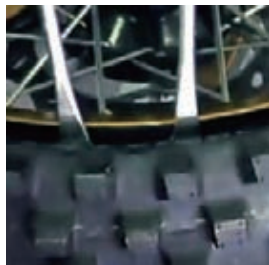


4012M.43 (mm)		D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
20		26	11.5	43	130	10
21		26	11.5	43	140	10
22		26	11.5	43	145	10
24		28	11.5	43	170	10
27		32	11.5	43	226	10

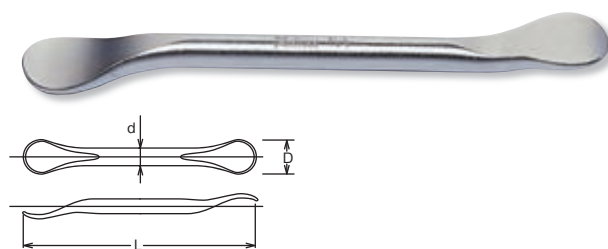


	D (mm)	d (mm)	L (mm)	(g)	(pcs.)
155	22	10	170	100	10

For Motorcycles

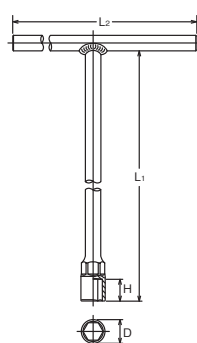


155 Tyre Lever Llave de Neumáticos



104M (mm)	D (mm)	H (mm)	L ₁ (mm)	L ₂ (mm)	(g)	(pcs.)
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)	(pcs.)
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

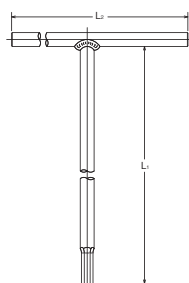
157P (PH)	L ₁ (mm)	L ₂ (mm)	(g)	(pcs.)
2	200	180	84	1
3	300	180	189	1

157T (T)	L ₁ (mm)	L ₂ (mm)	(g)	(pcs.)
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 PH Screws Para Tornillos PH

157T For TORX® Screws Para Tornillos TORX®

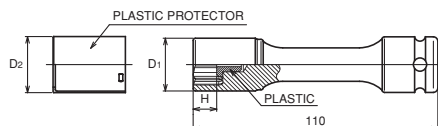


14201M
 Wheel Nut Sockets Set
Juego de Vasos para Rueda
**14145PM-110**
 Wheel Nut Sockets
Vasos para Rueda

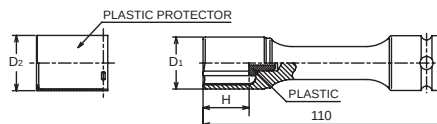
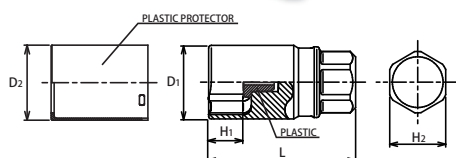

WHEEL NUT SOCKET



A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas. The socket size and Ko-ken mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

14145M-110MB
 Wheel Bolt Socket
**280PM**
 Adaptor Socket for Low Profile Wheel Nut
Vaso Adaptador para tuercas de Llantas de perfil bajo


ADAPTOR SOCKET



14201M 3 Pieces Set/△=690g
CARDBOARD BOX:W125×H95×T34mm

Sockets

14145PM.110 Impact Wheel Nut Sockets
17, 19, 21

14145PM.110 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	Shaft Colour	(g)	(pcs.)	
17		23.7	25.2	21	Blue	208	5	*1
19	1/2"	25.7	27.2	23	Red	219	5	*1
21		27.5	29	25	Yellow	226	5	*1
22		29	30.5	26	White	238	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → 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.**

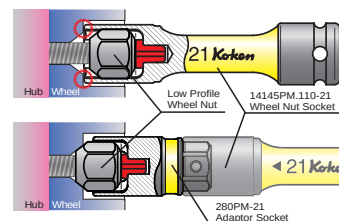
198-22 : Spare Plastic Protector for 14145PM.110-22 : **10 pcs.**

14145M.110 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	(g)	(pcs.)
17MB	1/2"	25.7	27.2	11.5	256	5



Mercedes Benz Wheel Bolt

280PM (mm)	D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	Shaft Colour	(g)	(pcs.)
19	25.7	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 Tuercas de Llantas de perfil bajo

Protector plástico desmontable es ajustado al adaptador para proteger la superficie pintada o con recubrimiento superficial de la llanta

El inserto plástico localizado dentro del adaptador, protege la tuerca de la llanta

La banda coloreada consigue una fácil identificación de la medida



Scratch on Wheel



Please note that thin walled design is only for wheel nut work and Torque rating is limited.

4300M(L60) (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17		23.6	25	21	60	98	10
19		25.1	25	21	60	100	10
21		27.1	25	21	60	102	10

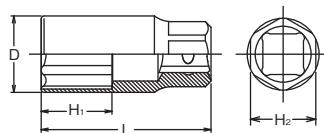


Wheel Nut Sockets

 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

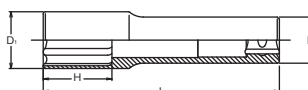


4300M(L110) (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)
17		23	22	32	110	155	5
19		25.8	22	32	110	170	5
21		26.8	22	32	110	165	5

 Please note that thin walled design is only for wheel nut work and Torque rating is limited.

4300M (L110)

Wheel Nut Sockets (Long)
Vasos para Ruedas (Largos)

**4711X**

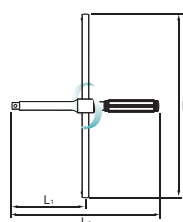
Spinning Cross Wrench



FREE-TURN
CROSS WRENCH

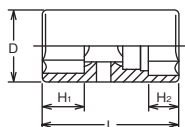


		L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	(g)	(pce.)
4711X		140	280	350	945	1



14118M

Wheel Nut Sockets, Double Ended
Vasos para Rueda, Dos Bocas



14118M (mm)		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17×19	1/2"	28	15.5	13	48	150	10
19×21		31	17.5	13	57	177	10
19×22		31	17.5	15	57	187	10

14218M

Wheel Nut Sockets, Double Ended with Extension Bar
Vasos para Rueda, Dos Bocas con Alargado



14218M		2 Pieces Set/△△=360g	
CARDBOARD BOX			
Sockets		Accessory	
 14118PM 19×21		 14760ST-B	

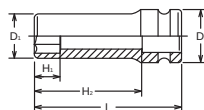
Interchangeable Wheel Nut Socket of 19mm and 21mm.

Please note that thin walled design is only for wheel nut work and Torque rating is limited.

Socket is not completely locked with the Ball-type connection.
Please beware of accidental socket release.

AN14300

Impact Sockets, Aluminium Alloyed, for Aluminium Wheel Nuts
Vasos de Impacto, de Aleación de Aluminio, para tuercas de rueda de aluminio

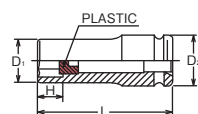


AN14300 (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	25.7	30	17	62	80	85	10	*2
19		28.2	30	19	61	80	89	10	*2
21		30.7	30	21	61	80	93	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P254-255

14113J

Impact Sockets with Plastic Stops for Hub Cap Screws
Vasos de Impacto con Topes de Plástico para Tornillos de Tapacubos

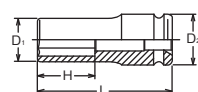


14113J (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	25.7	30	14	80	251	10	*2
19		28.2	30	16	80	286	10	*2
21		30.7	30	20	80	309	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P254-255

14113M

For Hub Cap Screws
Para Tornillos de Tapacubos

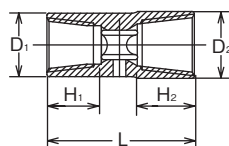


14113M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	25.7	30	34	80	230	10	*2
19		28.2	30	38	80	262	10	*2
21		30.7	30	42	80	285	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P254-255

14124 (mm)		D ₁ (mm)	D ₂ (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	 (g)	 (pcs.)
21×24.5	1/2"	28	29.5	24	25	65	157	10
26×27.5		31.5	35	24.5	24.5	65	197	10

14124

 Lock Nut Busters (Double Ended)
Tronzador de Tuercas (Dos Bocas)


14124/3	3 Pieces Set/=580g
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CARDBOARD BOX:W125×H91×T43mm

Sockets	Accessory
14124 21×24.5 26×27.5	14760-75B



14124/3

 Lock Nut Busters (Double Ended) in set
Juego Tronzador de Tuercas (Dos Bocas)

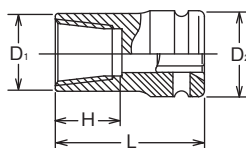

14124 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
17	1/2"	20.5	25	15	50	83	10	*1
18		21	25	15	50	83	10	*1
18.5		23	25	15	50	95	10	*1
19		25	30	20.5	50	140	10	*2
21		28	30	20.5	50	153	10	*2
24.5		29.5	30	23	50	138	10	*2
26		31.5	30	23	50	147	10	*2
27.5		35	30	23	50	181	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41

*2 C-Ring=C42, Pin/O-Ring=A42/B42

P254-255

14124

 Lock Nut Busters
Tronzador de Tuercas


RS14124/7	7 Pieces Set/Rail 250mm	 (g)
18, 18.5, 19, 21, 24.5, 26, 27.5		980

RS14124/7

 Socket Set on Rail
Juego de Vasos en Regleta


Z-SERIES

HAND
MANUALES

TITANIUM
DE TITANIO

ACCESSORIES
ACCESORIOS

SCREWDRIVERS
DESTORNILLADORES

IMPACT
DE IMPACTO

SLEEVE-DRIVE
INDUSTRIAL

INDUSTRIAL
INDUSTRIALES

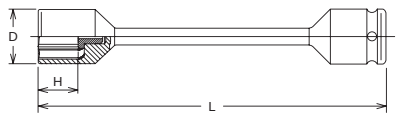
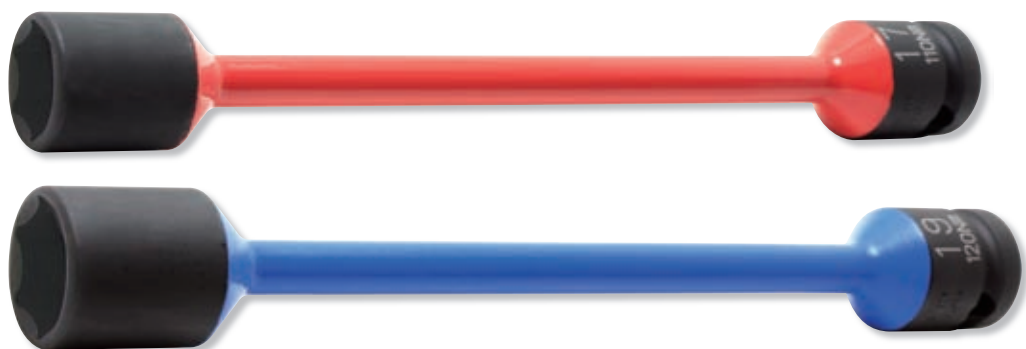
PROTECTOR
PROTECTORES

AUTOMOTIVE

CONSTRUCTION
CONSTRUCCIÓN

RENEWAL KITS
JUEGOS DE PIEZAS REPUESTO

14101MP Torsion Bars (for tightening only)
Barras de Torsión (Solamente para apriete)



 As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.
Como el par puede varia según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

14101MP (mm×Nm)	D (mm)	H (mm)	L (mm)	Shaft Color	 (pcs.)	
 17× 95Nm	25.7	12	214		10	*1
 17×110Nm	25.7	12	204		10	*1
 17×120Nm	25.7	12	203		10	*1
 19× 90Nm	28.2	13	259		10	*1
 19×100Nm	28.2	13	233		10	*1
 19×120Nm	28.2	13	204		10	*1
 19×140Nm	28.2	13	199		10	*1
 21×100Nm	30.7	14	216		10	*1
 21×120Nm	30.7	14	205		10	*1
 22×150Nm	30.7	14	220		10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41  P254-255

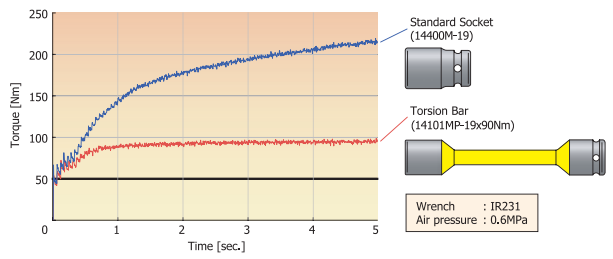
14101MP/8H Metal-Wall-Hanger for Workshops
Colgador de Pared Metálico para Talleres



14101MP/8H	8 Pieces Set/  2,300g
HANGER	
Torsion Bar	
 14101MP Impact Torsion Bars	
17×95Nm, 17×110Nm, 17×120Nm, 19×90Nm, 19×100Nm, 19×120Nm, 19×140Nm, 21×100Nm	

Torque table included in delivery.

- Torsion Bars**
- Designed for tightening wheel nuts with an impact wrench.
 - Prevent the excessive torque road.
 - Colour coded shafts make size identification easy.



14112

Torsion Extension Bars (for tightening only)
Alargaderas de Torsión (solamente para apriete)



14112		D (mm)	L (mm)	(g)	(pce.)	
90NmP	1/2"	25	208	206	1	*1
95NmP		25	202	200	1	*1
100NmP		25	196	198	1	*1
110NmP		25	213	220	1	*1
120NmP		25	201	219	1	*1
140NmP		25	205	230	1	*1
170NmP		25	195	257	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

14101M

Torsion Bars (for tightening only)
Barras de Torsión (solamente para apriete)

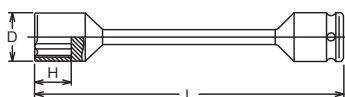


14101M (mm×Nm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
14× 95Nm	1/2"	22	11	208	230	1	*1
15×110Nm		23.2	11	201	230	1	*1
17× 60Nm		25.7	12	216	227	1	*1
17× 75Nm		25.7	12	228	240	1	*1
17× 95Nm		25.7	12	214	256	1	*1
17×110Nm		25.7	12	204	285	1	*1
17×120Nm		25.7	12	203	284	1	*1
19× 60Nm		28.2	13	219	237	1	*1
19× 90Nm		28.2	13	259	275	1	*1
19×110Nm		28.2	13	214	278	1	*1
19×120Nm		28.2	13	204	297	1	*1
19×135Nm		28.2	13	204	339	1	*1
19×170Nm		28.2	13	193	332	1	*1
21×100Nm		30.7	14	216	288	1	*1
21×120Nm		30.7	14	205	288	1	*1
22×160Nm		32	15	210	385	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

16101M • 18101M

Torsion Bars (for tightening only)
Barras de Torsión (solamente para apriete)



16101M (mm×Nm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
24×180Nm	3/4"	38.8	24	235	850	1	*1
27×450Nm		42.5	27	280	1236	1	*1
32×600Nm		48.8	32	280	1370	1	*1
33×600Nm		50	33	280	1370	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

18101M (mm×Nm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
24×350Nm	1"	43.5	24	300	1380	1	*1
27×350Nm		47	27	300	1401	1	*1
27×450Nm		47	27	300	1579	1	*1
30×500Nm		51	30	300	1563	1	*1
32×450Nm		53.5	32	300	1600	1	*1
32×550Nm		53.5	32	300	1602	1	*1
32×600Nm		53.5	32	300	1602	1	*1
32×700Nm		51.5	32	300	1630	1	*1
33×550Nm		55	33	300	1638	1	*1
33×600Nm		55	33	300	1638	1	*1
36×600Nm		58.5	36	300	1718	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255



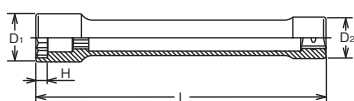
As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede variar según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

6102M-400

8102M-400

Extra long Sockets for Wheel Nuts
Vasos de para Rueda Extra-largos



6102M.400 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)
41Wx21W		58	40	14	400	1880	1
32	3/4"	48.5	40	32	400	1480	1
33		49.8	40	32	400	1500	1

8102M.400 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)
41Wx21W		58	49.9	14	400	2610	1
32	1"	48.5	49.9	32	400	2210	1
33		49.8	49.9	32	400	2220	1



6102M/8102M are for hand use only. Do not use with a power or impact wrench.



Combination type.
41Wx21W

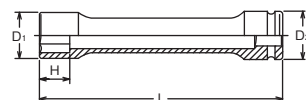
Extra long Socket for wheel nut

16102M-270 · -400

18102M-270 · -400



Extra long Sockets for Wheel Nuts
Vasos de Impact para Rueda Extra-largos



16102M.270 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
24		38.8	44	24	270	1034	1	*1
27		42.5	44	27	270	1088	1	*1
30		46.3	44	30	270	1144	1	*1
32	3/4"	48.8	44	32	270	1157	1	*1
33		50	44	32	270	1200	1	*1
36		53.8	44	32	270	1250	1	*1
38		56.3	44	32	270	1610	1	*1
41		60	44	32	270	1640	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔ P254-255

18102M.270 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
23		37.3	54	23	270	1627	1	*1
24		38.5	54	24	270	1628	1	*1
26		41	54	26	270	1667	1	*1
27		42.3	54	27	270	1680	1	*1
29		44.8	54	29	270	1680	1	*1
30	1"	46	54	30	270	1680	1	*1
32		48.5	54	32	270	1680	1	*1
33		49.8	54	32	270	1700	1	*1
34		51	54	32	270	1750	1	*1
36		53.5	54	32	270	1750	1	*1
38		56	54	32	270	1822	1	*1
41		60	54	32	270	1800	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➔ P254-255

16102M.400 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
24		38.8	44	24	400	1430	1	*1
27		42.5	44	27	400	1460	1	*1
30	3/4"	46.3	44	30	400	1510	1	*1
32		48.8	44	32	400	1530	1	*1
33		50	44	32	400	1530	1	*1
36		53.8	44	32	400	2180	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔ P254-255

18102M.400 (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
23		37.3	54	23	400	1865	1	*1
24		38.5	54	24	400	1869	1	*1
26		41	54	26	400	1925	1	*1
27		42.3	54	27	400	2272	1	*1
29		44.8	54	29	400	2278	1	*1
30	1"	46	54	30	400	2266	1	*1
32		48.5	54	32	400	2322	1	*1
33		49.8	54	32	400	2320	1	*1
34		51	54	32	400	2341	1	*1
36		53.5	54	32	400	2442	1	*1
38		56	54	32	400	2550	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➔ P254-255

	PW6P (mm×mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	
New	32×17	47	44	12	75		621	2	*1
New	35×17	50	44	12	75		655	2	*1
New	38×20	55	44	12	75		705	2	*1
New	41×19	58	44	12.5	80		813	2	*1
New	41×20	58	44	12.5	80		813	2	*1
New	41×21	58	44	12.5	80		779	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

	PW8P (mm×mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	
New	35×17	50	54	12	83		867	2	*1
New	38×20	55	54	12	83		941	2	*1
New	41×19	58	54	12.5	87		1033	2	*1
New	41×20	58	54	12.5	87		1033	2	*1
New	41×21	58	54	12.5	87		997	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

PW8P/4	4 Pieces Set/△=4,250g
CARDBOARD BOX:W240×H95×T70mm	
Sockets	
PW8P Impact Rear Wheel Nut Sockets	
35×17, 38×20, 41×19, 41×21	

PW8L (mm×mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
41×21	1"	58	54	15	105	1263	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

PS6 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	40	44	19	53	433	5	*1
19	40	44	19	53	419	5	*1
20	44	44	21	55	483	5	*1
21	44	44	23	57	491	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

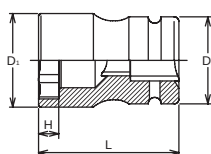
PS8 (mm)	D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	40	54	19	60	621	2	*1
19	43	54	19	60	648	2	*1
20	45	54	21	62	687	2	*1
21	45	54	23	64	696	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

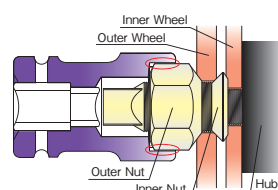
PW6P PW8P



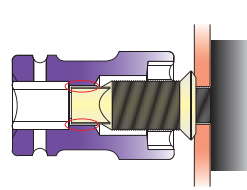
Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna



Tightening / Loosening Outer Nut



Tightening / Loosening Inner Nut



PW8P/4



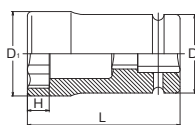
Socket set of Rear Wheel Nut Sockets
Juego de Vasos de Tuerca de Rueda Interna



PW8L



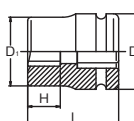
Rear Wheel Nut Socket (long)
Vasos de Tuerca de Rueda Interna (largos)



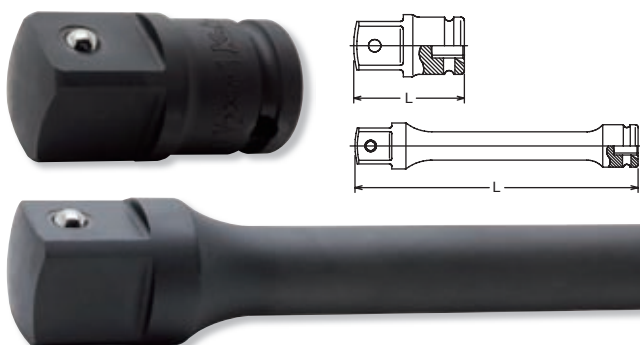
PS6 PS8



Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna



14466A-200B 14488A-B • -200B

Adaptors
AdaptadoresNo Warranty
Sin Garantía

	(sq)	(sq)	L (mm)	(g)	(pce.)	
14466A-200B	1/2"	3/4"	200	560	1	*2
14488A-B	1/2"	1"	58	280	1	*2
14488A-200B	1/2"	1"	200	660	1	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P254-255

(PW8P-41X21 + 14488A-200B + 1/2" SQ. Impact wrench)

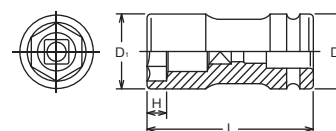


14466A-B / 14488A-B

Impact Adaptors (1/2" SQ. → 3/4", 1" SQ.)

For temporary fastening a wheel nut socket for large vehicle with a light duty 1/2" SQ. DR. Impact wrench.

Socket is not completely locked with the Ball-type adaptor connection. Please beware of accidental socket release.



16316M • 16316A 18316M • 18316A

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

16316M (mm×mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
35×17		52	44	10	90	865	1	*1
38×20		56	44	13	100	952	1	*1
41×19		59	44	12	100	1037	1	*1
41×21		59	44	15	100	963	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

16316A (inch×inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.1/2×13/16		56	44	13	100	940	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

18316M (mm×mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
35×17		52	54	10	108	1153	1	*1
38×20		56	54	13	108	1133	1	*1
41×19		59	54	12	108	1200	1	*1
41×21		59	54	15	108	1155	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

18316A (inch×inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.1/2×13/16		59	54	13	108	1120	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

16317M • 16317A 18317M • 18317A

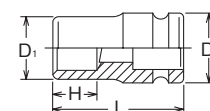
Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

16317M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
17		40	44	22.5	67	485	1	*1
19		40	44	22.5	67	462	1	*1
20		44	44	22.5	67	517	1	*1
21		44	44	22.5	67	489	1	*1
22		44	44	22.5	67	482	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255

16317A (inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
13/16		44	44	22.5	67	489	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P254-255



18317M (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
17		40	54	22.5	72	682	1	*1
17.5		40	54	22.5	72	677	1	*1
19		43	54	22.5	72	705	1	*1
20		45	54	22.5	72	723	1	*1
20.5		45	54	22.5	72	723	1	*1
21		45	54	22.5	72	703	1	*1
22		45	54	22.5	72	696	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

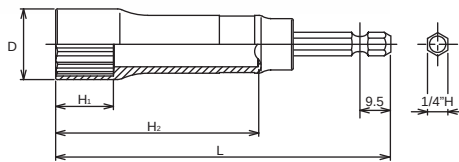
18317A (inch)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	(g)	(pce.)	
13/16		45	54	22.5	72	703	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P254-255

Construction

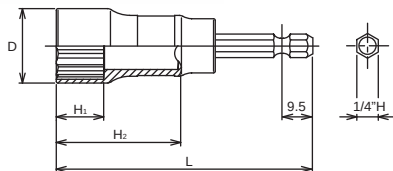


BD014E 12-point Nut Setters, Deep
Vasos Bihex para Apretar Tuercas, largos



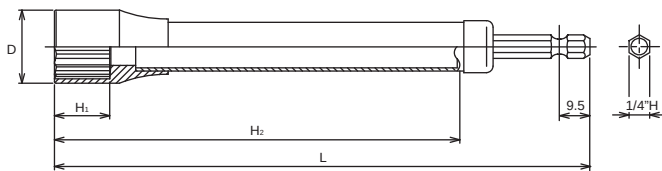
BD014E (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	12	63	104	45	10
10	14	12	63	104	52	10
12	16.5	18	63	104	61	10
13	17.5	18	63	104	65	10
14	19	18	63	104	72	10
17	22.5	18	60	104	80	10
19	24.5	18	60	104	95	10
21	27	18	60	104	110	10
22	28	18	60	104	112	10
24	30.3	18	60	104	123	10

BD014SE 12-point Nut Setters
Vasos Bihex para Apretar Tuercas



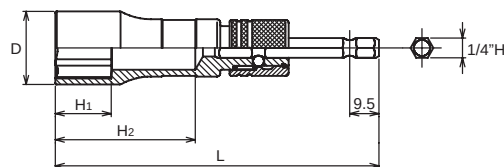
BD014SE (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

BD008E-165 (12P) 12-point Nut Setters, Extra Long
Vasos Bihex para Apretar Tuercas



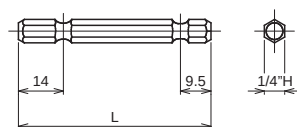
BD008E-165 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	110	165	105	10
19(12P)	24.8	17	110	165	135	10
21(12P)	27.3	17	110	165	142	10

BD042E 6-point Nut Setters, deep (Exchangeable Drive Shank)



BD042E (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
New 17	23.5	18	45	111	114	10
New 19	25.5	18	45	111	119	10
New 21	28	18	45	111	132	10
New 24	31.5	18	45	111	147	10

BIT-60E Bits



	L (mm)	(g)	(pcs.)
New BIT-60E	60	10	10

BD014XE (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
8SF	13	12	49	90	40	10
10SF	15	12	49	90	46	10
12SF	17.5	14	48	90	54	10
13SF	18.5	14	48	90	58	10
14SF	19.8	14	47	90	64	10
17SF	23.5	14	46	90	81	10
19SF	25.5	14	46	90	100	10
21SF	28	14	46	90	123	10
24SF	31.5	14	45	90	137	10

BD014E (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17SF	23.5	18	60	104	94	10
19SF	25.5	18	60	104	100	10
21SF	28	18	60	104	110	10

SURFACE DRIVE

Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.

Los vasos de contacto curvo se diseñan para mantener el contacto con las caras planas de la tuerca y transmitir un alto par reduciendo el desgaste de la tuerca. Estos vasos son ideales para utilizarse en tuercas pulidas, tuercas de aluminio y tuercas con puntas gastadas

BD011SE (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
10	14	12	35	100	73	10
12	16.5	12	35	100	77	10
13	17.5	12	35	100	79	10
14	19	12	32	100	82	10
17	22.5	14	32	100	87	10
19	24.5	14	30	100	94	10
21	27	14	30	100	103	10
22	28	14	30	100	104	10

BD008E-300 · -500 · -700 (12P)

12-point Nut Setters, Extra Long
Vasos Bihex para Apretar Tuercas



BD008E-300 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	245	300	154	2
19(12P)	24.8	17	245	300	204	2
21(12P)	27.3	17	245	300	214	2

BD008E-500 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	445	500	223	2
19(12P)	24.8	17	445	500	293	2

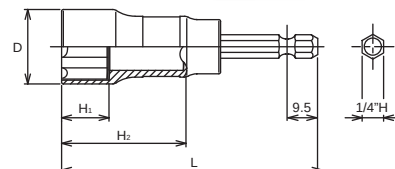
BD008E-700 (mm)	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	645	700	292	2

BD014XE-SF

Surface Drive Nut Setters, Semi-Deep
Vasos semi-largos con Mango



SURFACE DRIVE

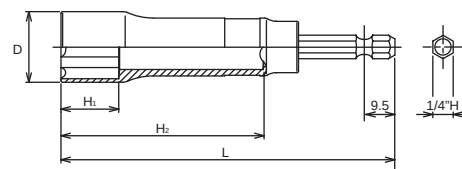


BD014E-SF

Surface Drive Nut Setters
Vasos con Mango

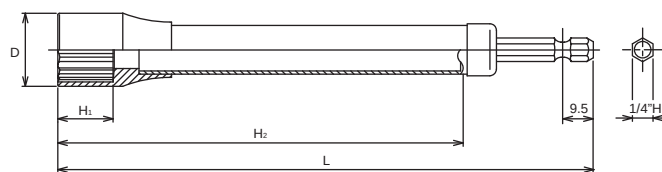
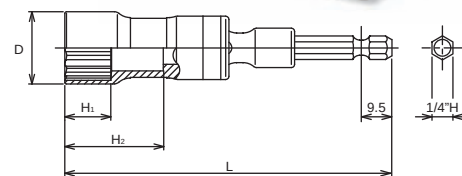


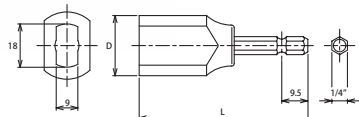
SURFACE DRIVE



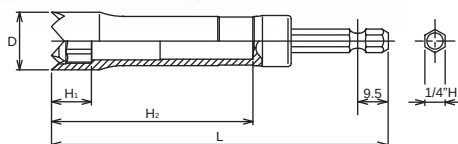
BD011SE

12-point Universal Joint Nut Setters
Vasos Bihex para Apretar Tuercas con Articulación Universal



BD003E-I

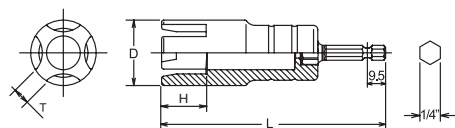
	D (mm)	L (mm)	(g)	(pcs.)
BD003E-I	25	70	95	10

BD013E

BD013E (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
12	17.8	12.5	63	105	69	10

BD017E

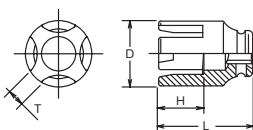
Wing Bolt Socket for Electric Drill
Vaso para Tuerca de Orejetas para Taladro eléctrico



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
BD017E	31	7.3	21	104	158	10

BD018

Wing Bolt Socket
Vaso para Tuerca de Orejetas

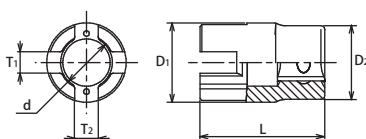


		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)	
BD018	3/8"	31	7.3	21	45	113	10	*2

*2 C-Ring=C32, Pin/O-Ring=A41/B41 → P254-255

3119

Wing Bolt Socket
Vaso para Tuerca de Orejetas



3119 (mm)		T1×T2 (mm)	D1 (mm)	D2 (mm)	d (mm)	L (mm)	(g)	(pcs.)
3 × 5	3/8"	3 × 5	17	17.3	11	30	30	10
5.5×6		5.5×6	21	19.5	14	33	45	10



For Wing Bolt
Para Tuercas de Mariposa

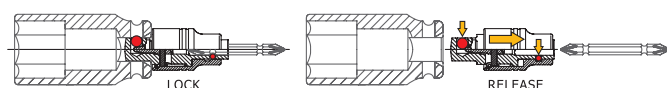


For Drain Plug in Radiator
Para conectores de drenaje en Radiadores

BD023E		D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	12.5	55	27	10
1/2	1/2"	16.5	60	48	10

BD024E		D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	19.3	78	63	10
1/2	1/2"	19.3	82	73	10

BD030W		D (mm)	L (mm)	(g)	(pcs.)
1/2	1/2"	23	57	115	10



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

123PN.65 123PG.65 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	65	13	10
2	6.35	65	13	10
3	6.35	65	14	10

123PN.110 123PG.110 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	110	25	10
2	6.35	110	25	10
3	6.35	110	26	10

123PN.150 123PG.150 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	150	36	10
2	6.35	150	36	10
3	6.35	150	37	10

Groove position: Japanese model

184.64	D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)
3/8×24UNF	12.5	14.5	13	64	34	10
1/2×20UNF	12.5	15.5	13	64	40	10

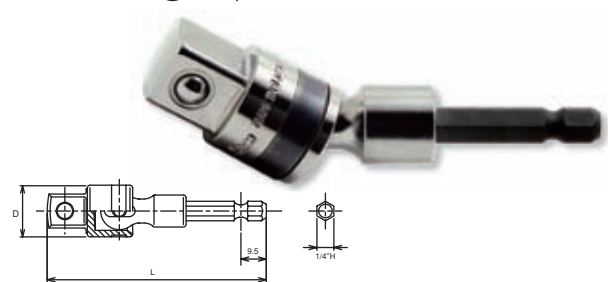
14184		D (mm)	H ₁ (mm)	H ₂ (mm)	L (mm)	(g)	(pcs.)	
3/8×24UNF	1/2"	25	14.5	22	44	85	10	*1
1/2×20UNF	1/2"	25	15.5	22	44	88	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P254-255

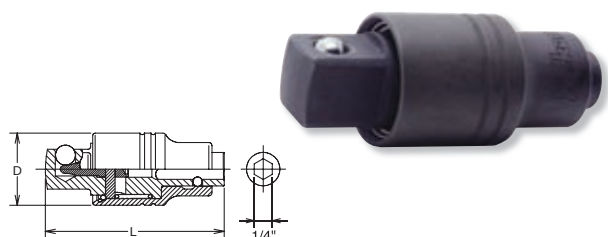
BD023E Adaptor Adaptador



BD024E Universal Adaptors Adaptadores Universal

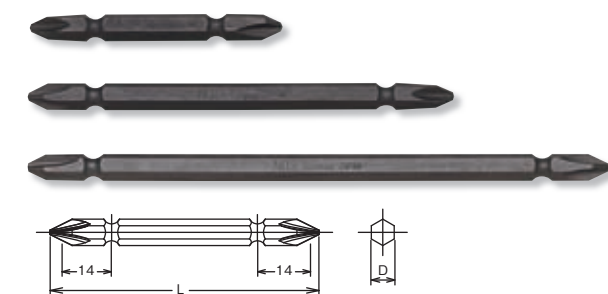


BD030W-1/2 Adaptor (Quick Release) Adaptador (Extracción Rápida)

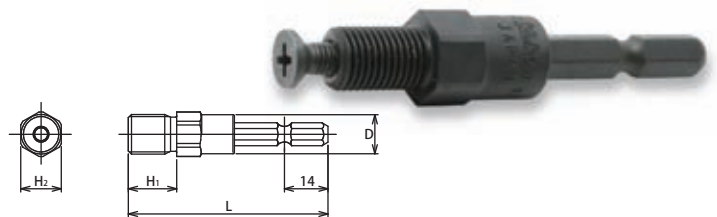


123PN-65 · -110 · -150 Double ended Bits Puntas PH, simétricas

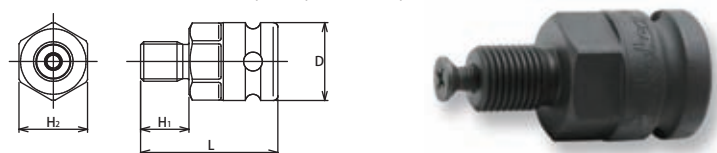
123PG-65 · -110 · -150 Magnetic type



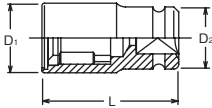
184.64 Drill Chuck Adaptor Adaptador porta-brocas para Taladro



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.)	
12.5×10	1/2"	30	25	70	236	5	*1
12.5×13		38	30	75	388	5	*2
12.5×16		38	30	75	369	5	*2
20 ×19	3/4"	48	44	90	775	2	*3
20 ×22		48	44	90	752	2	*3
20 ×25		62	44	95	1184	2	*3
20 ×29		62	44	95	1148	2	*3

*1 C-Ring=C41, Pin/O-Ring=A41/B41

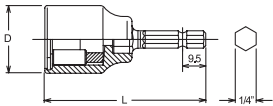
*2 C-Ring=C42, Pin/O-Ring=A42/B42

*3 C-Ring=C61, Pin/O-Ring=A61/B61

➔ 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

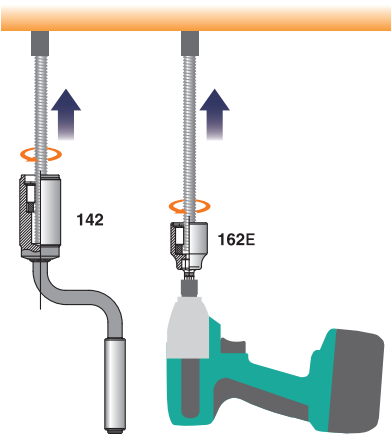
*Renewal Kits ➔ 162RK

➔ P309

142 ○ Stud Setters
Vasos de Atornillar Espárragos



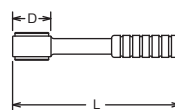
142 (inch)	L (mm)	(g)	(pce.)
5/16	190	304	1
3/8	190	361	1
1/2	190	354	1



141S (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	120	150	1
8	28	120	150	1
10	32	120	153	1
12	32	120	152	1

141S (inch)	D (mm)	L (mm)	(g)	(pce.)
5/16	28	120	150	1
3/8	32	120	153	1
1/2	32	120	152	1

141S ○ Stud Puller Ratchets Extractores de Espárragos de Carraca

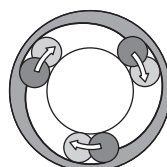


141 ○ Stud Puller Ratchets Extractores de Espárragos de Carraca



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



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 ○ Stud Puller Ratchets Extractores de Espárragos de Carraca



141P (mm)	D (mm)	L (mm)	(g)	(pce.)
6	28	205	210	1
8	28	205	210	1
10	32	205	229	1
12	32	205	227	1

1201 4 Pieces Set/△=973g

METAL CASE:W240×H100×T32mm

Pullers

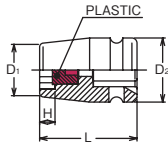
○ 141S Stud Puller Ratchets
6, 8, 10, 12



1201 ○ Stud Puller Ratchets Set Juego de Extractores de Espárragos de Carraca



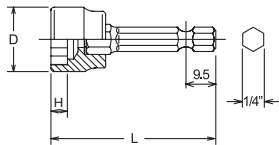
BD14400MJ 6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje



BD14400MJ (mm)		D ₁ (mm)	D ₂ (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
13	1/2"	20.7	25	5	38	140	10	*1
15		23.2	30	5	38	145	10	*2
17		25.7	30	6.5	38	145	10	*2
19		28.2	30	7.5	38	145	10	*2

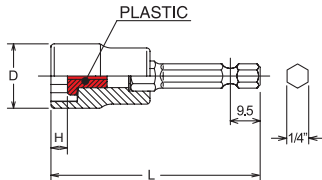
*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42 [➔ P254-255](#)

BD016E 6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje



BD016E (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

BD016JE 6-point Sockets for Anchor Screws
Vasos Hexagonales para Pernos de Anclaje



BD016JE (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
13	19.5	5	60	66	10
17	24.5	6.5	60	80	10
19	27	7.5	60	90	10

HA001	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.75)	17.2	15	49	100	10
16(2.0)	21	18	52	125	10
20(2.5)	24.5	21	56	155	10
22(2.5)	26.5	27	61	175	10
24(3.0)	28	28	62	185	10

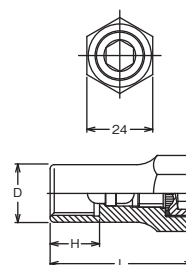
HA002.130 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	130	246	10

HA002.160 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	160	465	10

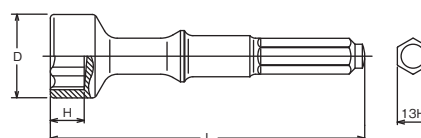
HA003.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	100	155	10

HA004 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	31	16.5	58	91	10

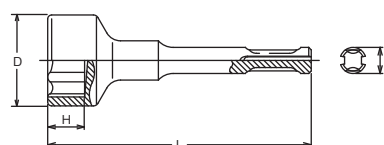
HA001 Stud Setters Vasos para Atornillar Espárragos



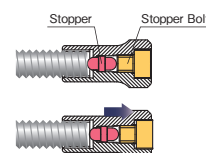
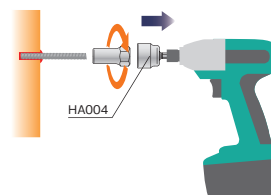
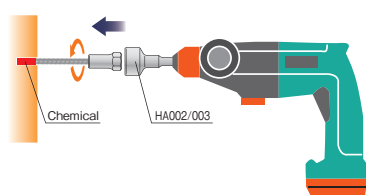
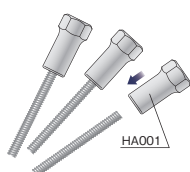
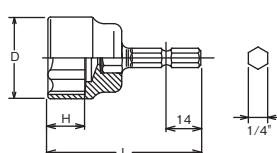
HA002-130 · -160 Socket for HA001 Vaso para HA001



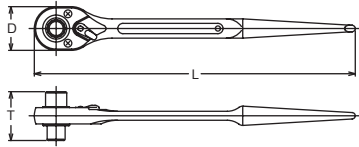
HA003-100 Socket for HA001 Vaso para HA001



HA004

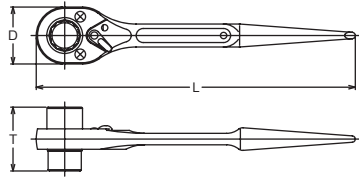


170S Spud Handle Ratchets
Llaves de Carraca con Mango de Cola



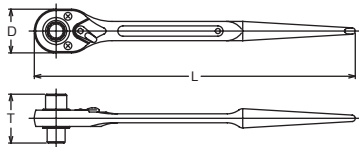
170S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
10×12	34	38	250	260	1
10×13	34	38	250	260	1
10×14	34	38	250	260	1
11×13	34	38	250	260	1
12×14	34	38	250	260	1

171S Spud Handle Ratchets(Short)
Llaves de Carraca con Mango de Cola(Cortas)



171S (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
13×17	44.6	50	250	460	1
14×17	44.6	50	250	460	1
17×19	44.6	50	250	460	1
17×21	44.6	50	250	460	1
17×22	44.6	50	250	460	1
19×21	44.6	50	250	460	1
19×22	44.6	50	250	460	1

171 Spud Handle Ratchets(Long)
Llaves de Carraca con Mango de Cola(Largas)

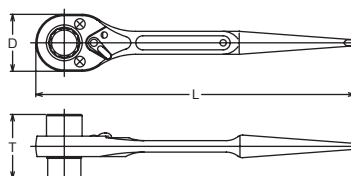


171 (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
13×17	44.6	50	380	630	1
14×17	44.6	50	380	630	1
17×19	44.6	50	380	630	1
17×21	44.6	50	380	630	1
17×22	44.6	50	380	630	1
19×21	44.6	50	380	630	1
19×22	44.6	50	380	630	1

172 Spud Handle Ratchets Llaves de Carraca con Mango de Cola



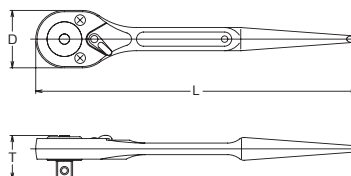
172 (mm)	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
19×24	68	58	380	1100	1
21×26	68	58	380	1100	1
22×24	68	58	380	1100	1
23×26	68	58	380	1100	1
24×27	68	58	380	1100	1
24×30	68	58	380	1100	1
26×32	68	63	380	1100	1
27×32	68	58	380	1100	1
30×32	68	58	380	1100	1



171SB-1/2 Spud Handle Ratchet with Push Button(short) Llave de Carraca con Mango de Cola con Botón(corta)



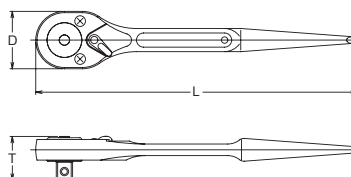
	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
171SB-1/2 	44.6	33	250	480	1



171B-1/2 Spud Handle Ratchet with Push Button(Long) Llave de Carraca con Mango de Cola con Botón(larga)



	D (mm)	T (mm)	L (mm)	 (g)	 (pce.)
171B-1/2 	44.6	33	380	650	1



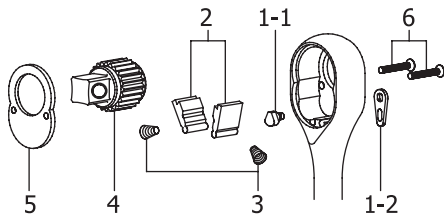
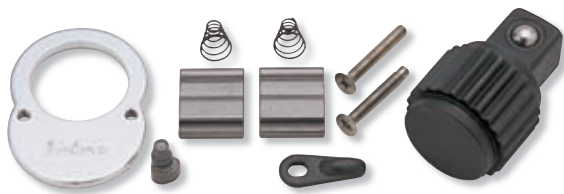


Ko-ken welcomes customer enquiries for special tools.
New items can be designed and manufactured according to
customers requirements. Please enquire through your distributors.

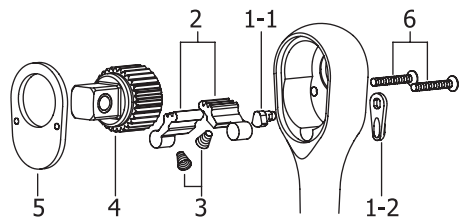
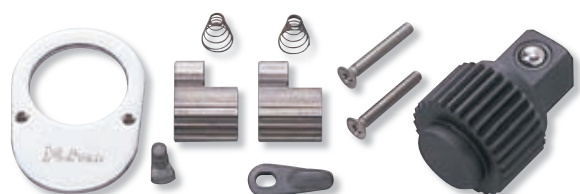
Ko-ken da la bienvenida a todas las solicitudes por herramientas
especiales de nuestros clientes.
Productos nuevos pueden ser diseñados y fabricados de acuerdo
a sus necesidades. Por favor haga su solicitud a través nuestra
red de distribuidores.

Renewal Kits





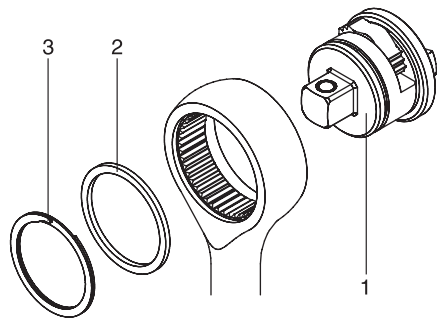
- 1-1 Reversion Cam
- 1-2 Reversion Lever
- 2 Dog
- 3 Spring
- 4 Square Drive
- 5 Cover plate
- 6 Screw



- 1-1 Reversion Cam
- 1-2 Reversion Lever
- 2 Dog
- 3 Spring
- 4 Square Drive
- 5 Cover plate
- 6 Screw

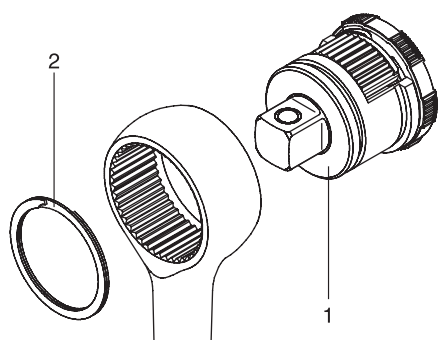
	☑	Products	(g)	(pce.)
2749RK		2749N/P/J	30	1
2753RK	1/4"	2753N/P/J, 2753PS/PSKR, 2753P-160, 2774PS/JS, 2774N/P/J	30	1
2753BRK		2753NB/PB/JB	31	1
2749RK-3/8		2749PS-3/8, 2749N-3/8, 2749P-3/8, 2774PS-3/8, 2774JS-3/8	45	1
3749RK		3749S, 3749N	70	1
3749BRK	3/8"	3749SB	84	1
3753RK		3753N/P/J, 3753SM, 3753P-250, 3774N/P/J, 3774PS, 3774NL/PL/JL	84	1
3753BRK		3753NB/PB/JB, 3753SMB, 3774NB/PB/JB/JBL	76	1
3749SRK-1/2		3749S-1/2	120	1
3749SBRK-1/2		3749SB-1/2	120	1
4749RK	1/2"	4749N-250, 4749N-380, 4749J-380	130	1
4753RK		4753N/P/J, 4753P-410, 4774N/P/J, 4774P-450	130	1
4753BRK		4753NB/PB/JB, 4774NB/PB/JB	130	1
6749RK	3/4"	6749, 6749-1000	580	1
8749RK	1"	8749, 8749-1000	800	1

	☑	Products	(g)	(pce.)
4750RK	1/2"	4750N/P/J	130	1
4750BRK		4750NB/PB/JB	130	1



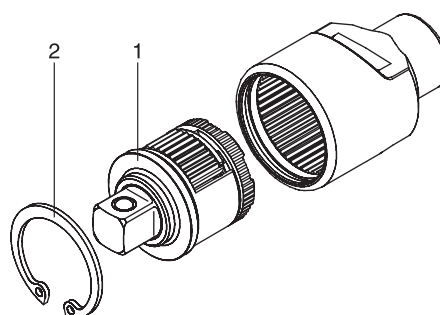
- 1 Head
- 2 Ring
- 3 Retaining Ring

	☑	Products	(g)	(pce.)
2752RK	1/4"	2752N	42	1



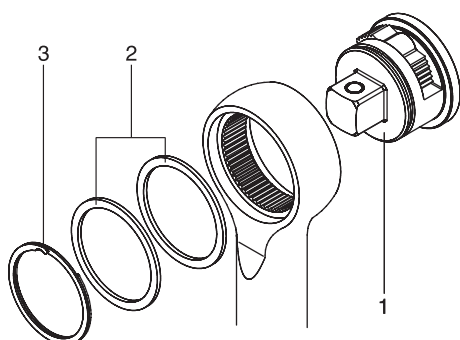
1 Head
2 Retaining Ring

	□	Products	(g)	(pce.)
3752RK	3/8"	3752N/J, 3757, 3776N/P/J	84	1
4752RK	1/2"	4752N/J	140	1



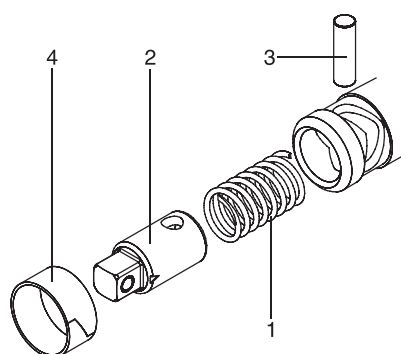
1 Head
2 Retaining Ring

	□	Products	(g)	(pce.)
2755RK	1/4"	2755	40	1
3755RK	3/8"	3755	98	1
4755RK	1/2"	4755	137	1
6755RK	3/4"	6755	550	1



1 Head
2 Ring
3 Retaining Ring

	□	Products	(g)	(pce.)
6752RK	3/4"	6752	600	1

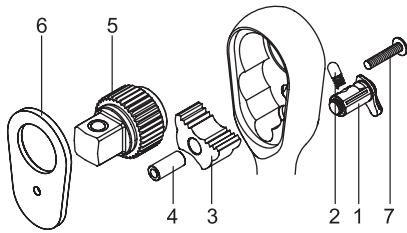


1 Spring
2 Square Drive
3 Pin
4 Retaining Ring

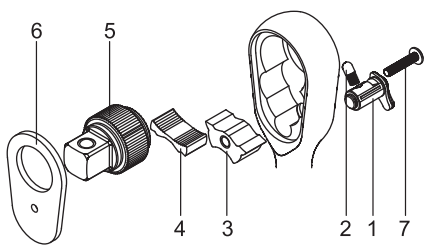
	□	Products	(g)	(pce.)
3112RK	3/8"	3112N	106	1
4112RK	1/2"	4112N	116	1
6112RK	3/4"	6112	445	1

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 | Reversion Lever |
| 2 | Pin+Spring |
| 3 | Pawl |
| 4 | Sleeve |
| 5 | Square Drive |
| 6 | Cover Plate |
| 7 | Screw |



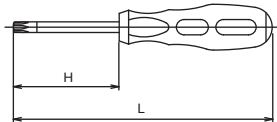
- | | |
|---|-----------------|
| 1 | Reversion Lever |
| 2 | Pin+Spring |
| 3 | Pawl (Large) |
| 4 | Pawl (Small) |
| 5 | Square Drive |
| 6 | Cover Plate |
| 7 | Screw |

		Products	 (g)	 (pce.)
2725RK	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
2725RK-3/8	3/8"	2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
4725RK	1/2"	4725Z	120	1

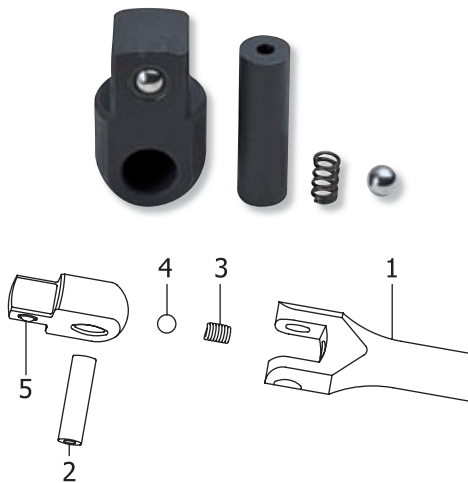
		Products	 (g)	 (pce.)
New 3725RK	3/8"	3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1



TORXPLUS® 6IP Screwdriver for 2725RK
TORXPLUS® 8IP Screwdriver for 3725RK
TORXPLUS® 10IP Screwdriver for 4725RK

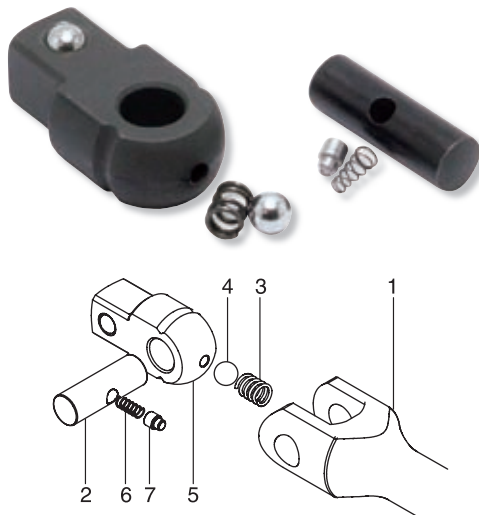


168T (IP)	H (mm)	L (mm)	 (g)	 (pce.)
6IP(40)	40	110	20	1
8IP(40)	40	110	20	1
10IP(40)	40	110	22	1



- | | |
|---|--------------|
| 1 | Body |
| 2 | Pin |
| 3 | Coil Spring |
| 4 | Ball |
| 5 | Square Drive |

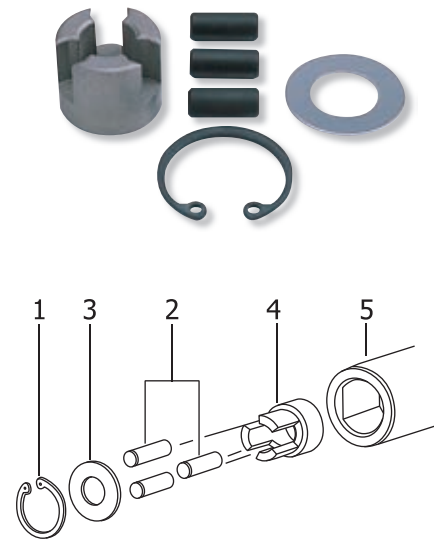
	□	Products	(g)	(pce.)
2768RK	1/4"	2768N/P/J	40	1
8768RK	1"	8768, 8768-1000	465	1



- | | |
|---|--------------|
| 1 | Body |
| 2 | Pin |
| 3 | Coil Spring |
| 4 | Ball |
| 5 | Square Drive |
| 6 | Coil Spring |
| 7 | Plunger |



	□	Products	(g)	(pce.)
3768RK	3/8"	3768N-175/250/300, 3768P-250/380, 3768J-250	40	1
3768ZRK	3/8"	3768Z-250/400	40	1
4768RK	1/2"	4768N-300/380/450/600, 4768N-380/ 450/600, 4768J-380/450/600, 4781N-450	137	1
4768ZRK	1/2"	4768Z-430	137	1
6768RK	3/4"	6768, 6768-600, 6768-1000	175	1



- | | |
|---|----------------|
| 1 | Retaining Ring |
| 2 | Roller |
| 3 | Cover |
| 4 | Cage |
| 5 | Body |

4100MRK (mm)	□	Products	(pce.)
6	1/2"	4100M-6	1
7		4100M-7	1
8		4100M-8	1
9		4100M-9	1
10		4100M-10	1
10.5		4100M-10.5	1
11		4100M-11	1
12		4100M-12	1
14		4100M-14	1
16		4100M-16	1

4100ARK (inch)	□	Products	(pce.)
1/4	1/2"	4100A-1/4	1
5/16		4100A-5/16	1
3/8		4100A-3/8	1
7/16		4100A-7/16	1
1/2		4100A-1/2	1
9/16		4100A-9/16	1
5/8		4100A-5/8	1

6100MRK (mm)	□	Products	(pce.)
18	3/4"	6100M-18	1
20		6100M-20	1
22		6100M-22	1
24		6100M-24	1
27		6100M-27	1
28		6100M-28	1
29		6100M-29	1
30		6100M-30	1

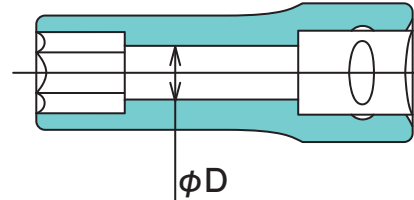
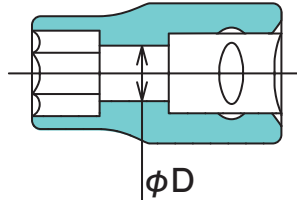
162RK	Products	(pce.)
5/16	162E-5/16	1
3/8	162E-3/8	1
1/2	162E-1/2	1
10	162E-10	1

HAND SOCKETS / Diameter of Bore

Standard Socket

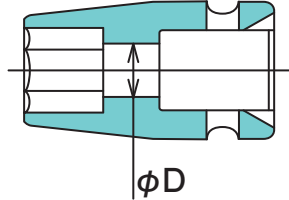


Deep Socket

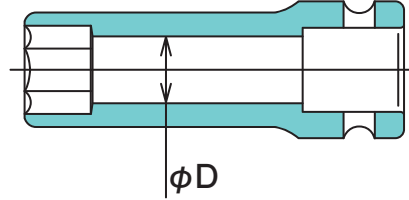


SOCKET		1/4"		3/8"		1/2"		3/4"		1"
		Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	Standard
		2400M 2400A	2300M 2300A	3400M 3400A	3300M 3300A	4400M 4400A	4300M 4300A	6400M 6400A	6300M 6300A	8400M 8400A
		2405M 2405A	2305M 2305A	3405M 3405A	3305M 3305A	4405M 4405A	4305M 4305A	6405M 6405A	6305M 6305A	8405M 8405A
(mm)	(inch)	φ D								
3	1/8	2.5	2.5							
4		3	3							
4.5		3.5	3.5							
5	3/16	4	4							
5.5	7/32	4.5	4.5	4.5	4.5					
6	1/4	4.5	5	5	5					
7	9/32	6.2	6	5.5	6					
8	5/16	6.2	7	6	7	6	7			
9	11/32	8.3	8.3	7	8	7	8			
10	3/8	9.4	9	8	9	8	9			
11	7/16	10	10	9	10	9	10			
12		10	11	10	11	10	11			
13	1/2	11.5	12	11	12	11	12			
14	9/16	13	13	13.5	13.5	12	13			
15	19/32			13	14	13	14			
16	5/8			14	15	14	15			
17	21/32			15	16	15	16	15	16	
18	11/16			15	17	15	17	15	17	
19	3/4			16	18	18	18	16	18	
20	25/32			17	19	18	19	17	19	
21	13/16			18	20	18	20	18	20	
22	7/8			19	21	19	21	19	21	
23				20	22	20	22	20	22	
24	15/16			21	23	21	23	21	23	
25				22	24	22	24	22	24	
26	1			23	25	23	25	23	25	
27	1- 1/16				26	23	26	23	26	23
28						24	27	24	27	24
29	1- 1/8					24	28	24	28	24
30	1- 3/16					25	29	25	29	25
31						26	30	26	30	26
32	1- 1/4					27	31	27	31	27
33	1- 5/16					28	32	28	32	28
34						29	33	29	33	29
35	1- 3/8					30	34	30	34	30
36						31	35	31	35	31
37	1- 7/16					31	36	31	36	31
38	1- 1/2					32	37	32	37	32
39								32	38	32
40	1- 9/16							33	39	33
41	1- 5/8							34	40	34
42								34	41	34
43	1-11/16							35	42	35
44	1- 3/4							36	43	36
45								36	44	36
46	1-13/16							37	45	37
47								38	46	38
48	1- 7/8							38	47	38
	1-15/16							39	48	39
50	2							40	49	40
	2- 1/16							40		

Standard Socket



Deep Socket



SOCKET		1/4" 	3/8" 		1/2" 		3/4" 		1" 	
		Standard	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep
		12400M 12400A	13400M 13400A	13300M 13300A	14400M 14400A	14300M 14300A	16400M 16400A	16300M 16300A	18400M 18400A	18300M 18300A
(mm)	(inch)	φ D								
4		3								
4.5	3/16	3								
5		4								
5.5		4								
6	1/4	5	5	5						
7	9/32	5	5	6						
8	5/16	6	6	7	6	7				
9	11/32	7	7	8	7	8				
10	3/8	8	8	9	8	9				
11	7/16	9	9	10	9	10				
12		10	10	11	10	11				
13	1/2	11	11	12	11	12				
14	9/16	12	12	13	12	13				
15			13	14	13	14				
16	5/8		14	15	14	15	14	15		
17	11/16		14	16	14	16	14	16		
18			15	17	15	17	15	17		
19	3/4		16	18	16	18	16	18	16	18
20			17	19	17	19	17	19	17	19
21	13/16		18	20	18	20	18	20	18	20
22	7/8		19	21	19	21	19	21	19	21
23			20		20	22	20	22	20	22
24	15/16		20		21	23	21	23	21	23
25	1				22	24	22	24	22	24
26					23	25	23	25	23	25
27	1- 1/16				23	26	23	26	23	26
28					23	27	24	27	24	27
29	1- 1/8				23	28	25	28	25	28
30	1- 3/16				23	29	26	29	26	29
31					23	30	27	30	27	30
32	1- 1/4				23	31	28	31	28	31
33					25	32	29	32	29	32
34	1- 5/16				25	33	30	33	30	33
35	1- 3/8				25	34	31	34	31	34
36					28	35	32	35	32	35
37	1- 7/16						32	36	32	36
38	1- 1/2						34	37	34	37
40	1- 9/16						34	39	34	39
41	1- 5/8						35	40	35	40
42	1-11/16						35	41	35	41
45	1- 3/4						35	44	35	44
46	1-13/16						40	45	40	45
47							40	46		
	1- 7/8						40	47		

[illegible]

Koken TOOL CO., LTD. 313

Screw dimension	Hexagon Head Bolt			Hexagon Socket Head Cap Screws			TORX		TORXPLUS		Triple Square	LHSTIX	Ref.) Standard Tightning Torque (Nm)				
	Standard	Compact	High Strength	Standard	Button Head / Shoulder Head	Hexagon Socket Set Screws	T	E	IP	EP [EPL]	XZN	LH-S [LH-SS]	Grade 4.6	Grade 6.8	Grade 8.8	Grade 10.9	Grade 12.9
M2	4			1.5		0.9	T6/T8		6IP				0.12	0.24	0.32	0.45	0.54
M2.5	5			2		1.3	T8		8IP		M3		0.25	0.49	0.65	0.92	1.1
M3	5.5			2.5	2	1.5	T10	E4	8IP/10IP	4EP	M3		0.43	0.87	1.16	1.63	1.96
M3.5	(6)						T15		10IP/15IP				0.68	1.37	1.82	2.56	3.08
M4	7			3	2.5	2	T20/T25	E5	15IP/20IP	5EP	M4	LH4S	1.01	2.02	2.7	3.79	4.54
M5	8			4	3	2.5	T25/T27	E6	20IP/25IP /27IP	6EP [8EPL]	M5	LH5S	2.04	4.09	5.47	7.67	9.18
M6	10			5	4	3	T30	E8	27IP/30IP	8EP [10EPL]	M6	LH6S	3.47	6.97	9.27	13	15.6
M7	11						T40	E8	40IP	8EP [12EPL]			5.85	11.6	15.5	21.8	26.2
M8	13	(12)		6	5	4	T40/T45	E10	40IP/45IP	10EP [14EPL]	M8	LH8S	8.41	16.9	22.5	31.6	37.9
M10	16 (17)	(14)		8	6	5	T50	E12	45IP/50IP	12EP [16EPL]	M10	LH10S [LH8SS]	16.7	33.4	44.5	62.6	75.2
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	55IP	14EP [20EPL]	M12	LH12S [LH10SS]	29.1	58.3	77.6	109	131
M14	21 (22)	(19)		12			T55/T60	E14/E18	55IP/60IP	18EP [24EPL]	M14	LH14S [LH12SS]	46.4	92.7	124	174	209
M16	24	(22)	27	14	10	8	T60/T70	E16/E20	60IP/70IP	20EP [26EPL]	M16	LH16S [LH14SS]	72.3	145	194	271	325
M18	27	(24)		(14)			T70/T80	E24	80IP	24EP [30EPL]	M18		100	199	266	373	447
M20	30 (32)	(27/29)	32	17	12	10	T80/T90	E24	90IP	24EP [32EPL]			141	282	376	529	635
M22	34 (32/35)	(30/32)	36	(17)			T90/T100	E28	100IP	24EP [36EPL]			192	384	511	720	865
M24	36 (38)	(32/35)	41	19		12	T100	E32	100IP	32EP [40EPL]			244	488	650	915	1100
M27	41	(36)	46	(19)				E32		32EP			358	713	951	1340	1610
M30	46	(41)	50	22				E36		36EP			484	971	1290	1820	2180
M33	50	(46)		(24)				E40		40EP			661	1320	1760	2470	2970
M36	55 (54)	(50)		27				E44		44EP			848	1690	2260	3180	3810
M39	60 (58)	(55)		(27)									1100	2190	2920	4110	4930
M42	65 (63)			32									1350	2710	3610	5080	6080
M45	70 (67)			(32)									1700	3400	4540	6370	7630
M48	75 (71)			36									2030	4060	5440	7620	9120
M52	80 (77)			(36)									2640	5290	7040	9880	11800
M56	85			41									3270	6560	8710	12300	14800
M60	90												4080	8180	10900	15300	18300
M64	95			46									4930	9890	13100	18500	22300
M68	(100)												5970	12000	16000	22500	27000

*Reference: Hexagon Head Bolt: ISO 4014-4018, 8676, 8768
 High Strength Hexagon Bolt: JIS B 1196
 Hexagon Socket Head Cap Screws: ISO 7380
 Hexagon Socket Button Head Screws: ISO 7380
 Hexagon Socket Set Screws: ISO 4026-4029
 TORX T/E: TORX Standard TMH series
 TORXPLUS IP/EP: TORXPLUS Standard CMH series
 Triple Square: DIN 2324/2325
 LHSTIX LH-S/SS: LH-S/SS Standard

* Standard Tightening Torque: Calculated based on Torque Coefficient (K): 0.2
 Axial Force (Ff) : 60% of Proof Strength(σ)

TORX® / TORXplus® BITS

		S1 (mm)	S2 (mm)
T6	6IP	1.7	1.2
T7	7IP	2.0	1.4
T8	8IP	2.3	1.7
T9	9IP	2.5	1.8
T10	10IP	2.7	2.0
T15	15IP	3.3	2.3
T20	20IP	3.9	2.8
T25	25IP	4.5	3.2
T27	27IP	5.0	3.6
T30	30IP	5.6	4.0
T40	40IP	6.7	4.8
T45	45IP	7.9	5.6
T50	50IP	8.9	6.2
T55	55IP	11.3	8.0
T60	60IP	13.3	9.5
T70	70IP	15.6	11.1
T80	80IP	17.6	12.7
T90	90IP	20.0	14.2
T100	100IP	22.2	15.8

TORXplus® Tamper-Resistant BITS

	S1 (mm)	S2 (mm)
8IPR	2.2	2.0
9IPR	2.4	2.2
10IPR	2.6	2.4
15IPR	3.1	2.8
20IPR	3.6	3.3
25IPR	4.1	3.8
27IPR	4.7	4.3
30IPR	5.2	4.8
40IPR	6.3	5.7
45IPR	7.4	6.7
50IPR	8.4	7.6
55IPR	10.6	9.7

XZN BITS

	S1 (mm)	S2 (mm)
M4	3.6	3.1
M5	4.8	4.1
M6	6.1	5.1
M8	7.3	6.1
M10	9.7	8.1
M12	11.5	9.7
M14	13.3	11.2
M16	15.7	13.2
M18	16.9	14.2

TORX® / TORXplus® SOCKETS

		S1 (mm)	S2 (mm)
E4	4EP	3.7	2.7
E5	5EP	4.6	3.3
E6	6EP	5.6	4.0
E7	7EP	6.1	4.3
E8	8EP	7.4	5.3
E10	10EP	9.3	6.8
E11	11EP	9.9	7.1
E12	12EP	11.0	7.9
E14	14EP	12.8	9.2
E16	16EP	14.6	10.5
E18	18EP	16.5	11.9
E20	20EP	18.3	13.2
E22	22EP	20.1	14.8
E24	24EP	22.0	15.7
E26	26EP	23.7	17.5
E28	28EP	25.5	18.3
E30	30EP	27.3	20.0
E32	32EP	29.0	21.3

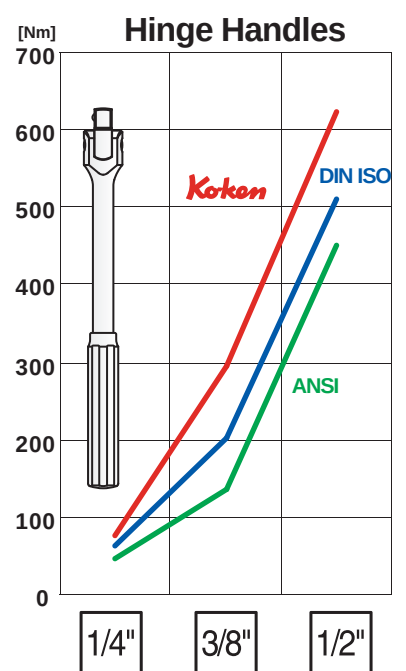
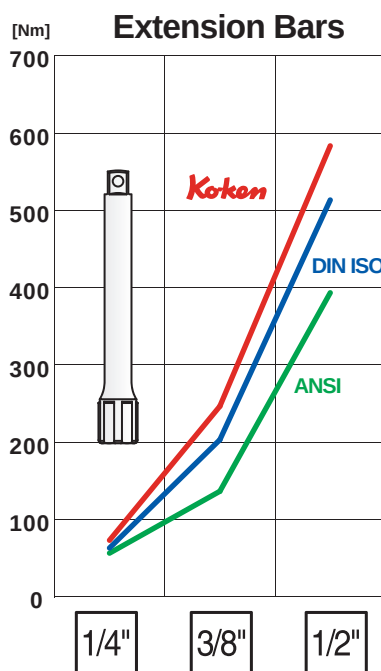
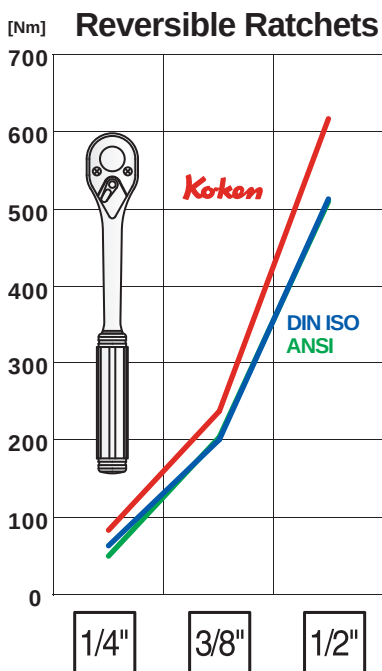
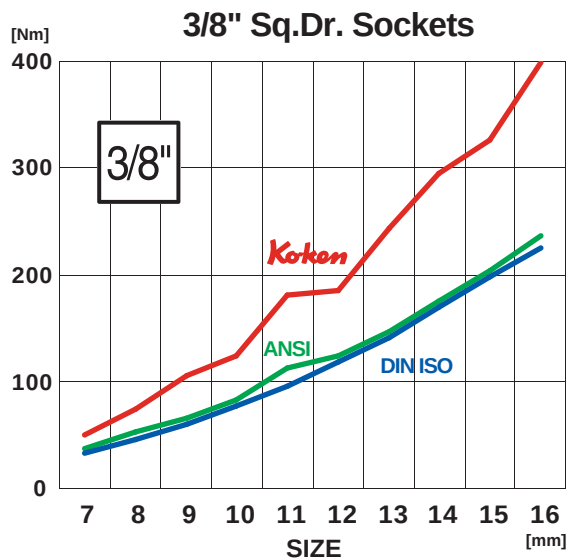
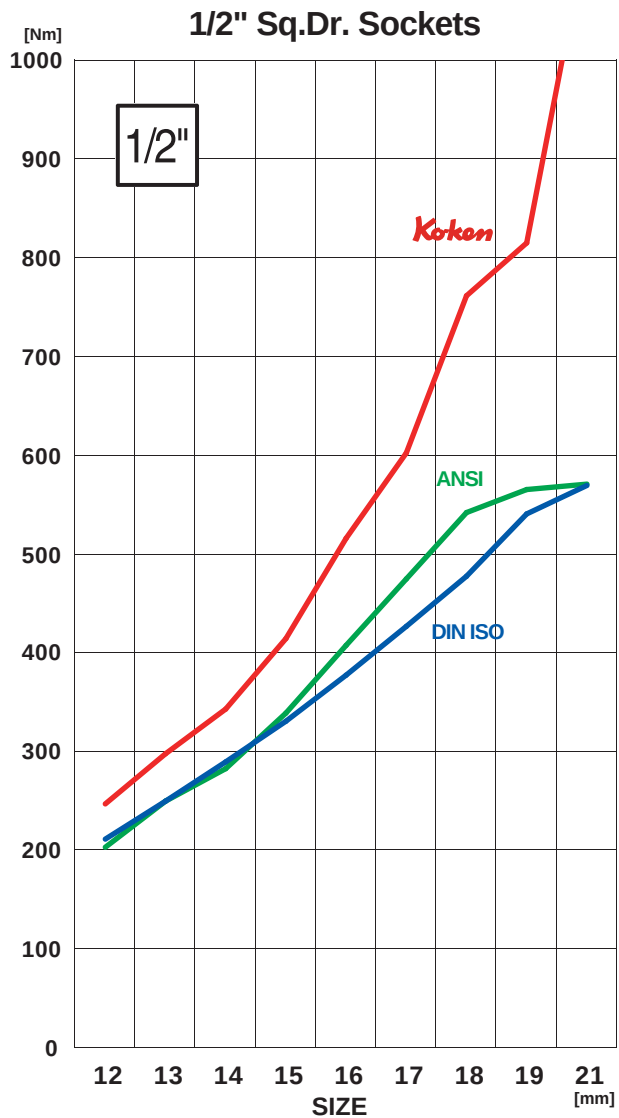
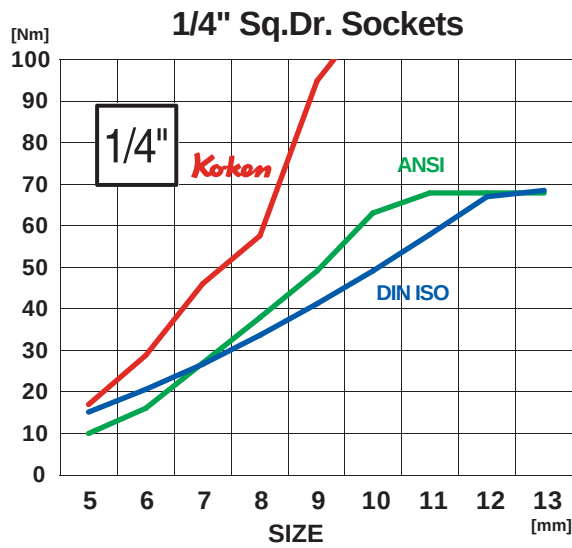
LHSTIX® (LH-S) SOCKETS

	S1 (mm)	S2 (mm)
LH3S	3.8	4.7
LH4S	4.5	6.0
LH5S	5.6	7.5
LH6S	6.8	9.0
LH7S	7.9	10.5
LH8S	9.0	12.0
LH10S	11.3	15.0
LH12S	13.6	18.0
LH14S	15.8	21.0
LH16S	18.1	24.0

Ribe CV BITS

	W (mm)	S1 (mm)	S2 (mm)
M5	1.2	5.0	3.8
M6	1.3	6.0	4.5
M7	1.4	7.0	5.0
M8	1.8	8.0	6.0
M9	2.0	9.0	7.1
M10	2.3	10.0	7.4
M12	2.6	12.0	9.0
M13	3.1	13.0	11.0
M14	3.2	14.0	10.4
M16	3.6	16.0	11.9

 Conversion Table: American Inches-Decimal Inches-Millimeter		0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
in	dec.in.	Millimeter(mm)											
1/64	0	0	25.4000	50.8000	76.2000	101.6000	127.0000	152.4000	177.8000	203.2000	228.6000	254.0000	279.4000
1/32	0.01563	0.3969	25.7969	51.1969	76.5969	101.9969	127.3969	152.7969	178.1969	203.5969	228.9969	254.3969	279.7969
3/64	0.03125	0.7938	26.1938	51.5938	76.9938	102.3938	127.7938	153.1938	178.5938	203.9938	229.3938	254.7938	280.1938
1/16	0.04688	1.1906	26.5906	51.9906	77.3906	102.7906	128.1906	153.5906	178.9906	204.3906	229.7906	255.1906	280.5906
1/8	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	230.1875	255.5875	280.9875
5/64	0.07813	1.9844	27.3844	52.7844	78.1844	103.5844	128.9844	154.3844	179.7844	205.1844	230.5844	255.9844	281.3844
3/32	0.09375	2.3813	27.7813	53.1813	78.5813	103.9813	129.3813	154.7813	180.1813	205.5813	230.9813	256.3813	281.7813
7/64	0.10938	2.7781	28.1781	53.5781	78.9781	104.3781	129.7781	155.1781	180.5781	205.9781	231.3781	256.7781	282.1781
1/4	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
1/2	0.25000	6.3500	31.7500	57.1500	82.5500	107.9500	133.3500	158.7500	184.1500	209.5500	234.9500	260.3500	285.7500
17/64	0.26563	6.7469	32.1469	57.5469	82.9469	108.3469	133.7469	159.1469	184.5469	209.9469	235.3469	260.7469	286.1469
9/32	0.28125	7.1438	32.5438	57.9438	83.3438	108.7438	134.1438	159.5438	184.9438	210.3438	235.7438	261.1438	286.5438
19/64	0.29688	7.5406	32.9406	58.3406	83.7406	109.1406	134.5406	159.9406	185.3406	210.7406	236.1406	261.5406	286.9406
5/16	0.31250	7.9375	33.3375	58.7375	84.1375	109.5375	134.9375	160.3375	185.7375	211.1375	236.5375	261.9375	287.3375
21/64	0.32813	8.3344	33.7344	59.1344	84.5344	109.9344	135.3344	160.7344	186.1344	211.5344	236.9344	262.3344	287.7344
11/32	0.34375	8.7313	34.1313	59.5313	84.9313	110.3313	135.7313	161.1313	186.5313	211.9313	237.3313	262.7313	288.1313
23/64	0.35938	9.1281	34.5281	59.9281	85.3281	110.7281	136.1281	161.5281	186.9281	212.3281	237.7281	263.1281	288.5281
3/8	0.37500	9.5250	34.9250	60.3250	85.7250	111.1250	136.5250	161.9250	187.3250	212.7250	238.1250	263.5250	288.9250
25/64	0.39063	9.9219	35.3219	60.7219	86.1219	111.5219	136.9219	162.3219	187.7219	213.1219	238.5219	263.9219	289.3219
13/32	0.40625	10.3188	35.7188	61.1188	86.5188	111.9188	137.3188	162.7188	188.1188	213.5188	238.9188	264.3188	289.7188
27/64	0.42188	10.7156	36.1156	61.5156	86.9156	112.3156	137.7156	163.1156	188.5156	213.9156	239.3156	264.7156	290.1156
7/16	0.43750	11.1125	36.5125	61.9125	87.3125	112.7125	138.1125	163.5125	188.9125	214.3125	239.7125	265.1125	290.5125
29/64	0.45313	11.5094	36.9094	62.3094	87.7094	113.1094	138.5094	163.9094	189.3094	214.7094	240.1094	265.5094	290.9094
15/32	0.46875	11.9063	37.3063	62.7063	88.1063	113.5063	138.9063	164.3063	189.7063	215.1063	240.5063	265.9063	291.3063
31/64	0.48438	12.3031	37.7031	63.1031	88.5031	113.9031	139.3031	164.7031	190.1031	215.5031	240.9031	266.3031	291.7031
1/2	0.50000	12.7000	38.1000	63.5000	88.9000	114.3000	139.7000	165.1000	190.5000	215.9000	241.3000	266.7000	292.1000
33/64	0.51563	13.0969	38.4969	63.8969	89.2969	114.6969	140.0969	165.4969	190.8969	216.2969	241.6969	267.0969	292.4969
17/32	0.53125	13.4938	38.8938	64.2938	89.6938	115.0938	140.4938	165.8938	191.2938	216.6938	242.0938	267.4938	292.8938
35/64	0.54688	13.8906	39.2906	64.6906	90.0906	115.4906	140.8906	166.2906	191.6906	217.0906	242.4906	267.8906	293.2906
9/16	0.56250	14.2875	39.6875	65.0875	90.4875	115.8875	141.2875	166.6875	192.0875	217.4875	242.8875	268.2875	293.6875
37/64	0.57813	14.6844	40.0844	65.4844	90.8844	116.2844	141.6844	167.0844	192.4844	217.8844	243.2844	268.6844	294.0844
19/32	0.59375	15.0813	40.4813	65.8813	91.2813	116.6813	142.0813	167.4813	192.8813	218.2813	243.6813	269.0813	294.4813
39/64	0.60938	15.4781	40.8781	66.2781	91.6781	117.0781	142.4781	167.8781	193.2781	218.6781	244.0781	269.4781	294.8781
5/8	0.62500	15.8750	41.2750	66.6750	92.0750	117.4750	142.8750	168.2750	193.6750	219.0750	244.4750	269.8750	295.2750
41/64	0.64063	16.2719	41.6719	67.0719	92.4719	117.8719	143.2719	168.6719	194.0719	219.4719	244.8719	270.2719	295.6719
21/32	0.65625	16.6688	42.0688	67.4688	92.8688	118.2688	143.6688	169.0688	194.4688	219.8688	245.2688	270.6688	296.0688
43/64	0.67188	17.0656	42.4656	67.8656	93.2656	118.6656	144.0656	169.4656	194.8656	220.2656	245.6656	271.0656	296.4656
11/16	0.68750	17.4625	42.8625	68.2625	93.6625	119.0625	144.4625	169.8625	195.2625	220.6625	246.0625	271.4625	296.8625
45/64	0.70313	17.8594	43.2594	68.6594	94.0594	119.4594	144.8594	170.2594	195.6594	221.0594	246.4594	271.8594	297.2594
23/32	0.71875	18.2563	43.6563	69.0563	94.4563	119.8563	145.2563	170.6563	196.0563	221.4563	246.8563	272.2563	297.6563
47/64	0.73438	18.6531	44.0531	69.4531	94.8531	120.2531	145.6531	171.0531	196.4531	221.8531	247.2531	272.6531	298.0531
3/4	0.75000	19.0500	44.4500	69.8500	95.2500	120.6500	146.0500	171.4500	196.8500	222.2500	247.6500	273.0500	298.4500
49/64	0.76563	19.4469	44.8469	70.2469	95.6469	121.0469	146.4469	171.8469	197.2469	222.6469	248.0469	273.4469	298.8469
25/32	0.78125	19.8438	45.2438	70.6438	96.0438	121.4438	146.8438	172.2438	197.6438	223.0438	248.4438	273.8438	299.2438
51/64	0.79688	20.2406	45.6406	71.0406	96.4406	121.8406	147.2406	172.6406	198.0406	223.4406	248.8406	274.2406	299.6406
13/16	0.81250	20.6375	46.0375	71.4375	96.8375	122.2375	147.6375	173.0375	198.4375	223.8375	249.2375	274.6375	300.0375
53/64	0.82813	21.0344	46.4344	71.8344	97.2344	122.6344	148.0344	173.4344	198.8344	224.2344	249.6344	275.0344	300.4344
27/32	0.84375	21.4313	46.8313	72.2313	97.6313	123.0313	148.4313	173.8313	199.2313	224.6313	250.0313	275.4313	300.8313
55/64	0.85938	21.8281	47.2281	72.6281	98.0281	123.4281	148.8281	174.2281	199.6281	225.0281	250.4281	275.8281	301.2281
7/8	0.87500	22.2250	47.6250	73.0250	98.4250	123.8250	149.2250	174.6250	200.0250	225.4250	250.8250	276.2250	301.6250
57/64	0.89063	22.6219	48.0219	73.4219	98.8219	124.2219	149.6219	175.0219	200.4219	225.8219	251.2219	276.6219	302.0219
29/32	0.90625	23.0188	48.4188	73.8188	99.2188	124.6188	150.0188	175.4188	200.8188	226.2188	251.6188	277.0188	302.4188
59/64	0.92188	23.4156	48.8156	74.2156	99.6156	125.0156	150.4156	175.8156	201.2156	226.6156	252.0156	277.4156	302.8156
15/16	0.93750	23.8125	49.2125	74.6125	100.0125	125.4125	150.8125	176.2125	201.6125	227.0125	252.4125	277.8125	303.2125
61/64	0.95313	24.2094	49.6094	75.0094	100.4094	125.8094	151.2094	176.6094	202.0094	227.4094	252.8094	278.2094	303.6094
31/32	0.96875	24.6063	50.0063	75.4063	100.8063	126.2063	151.6063	177.0063	202.4063	227.8063	253.2063	278.6063	304.0063
63/64	0.98438	25.0031	50.4031	75.8031	101.2031	126.6031	152.0031	177.4031	202.8031	228.2031	253.6031	279.0031	304.4031
		12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"
in.	dec.in.	Millimeter(mm)											
1/32	0	304.8000	330.2000	355.6000	381.0000	406.4000	431.8000	457.2000	482.6000	508.0000	533.4000	558.8000	584.2000
1/16	0.03125	305.5938	330.9938	356.3938	381.7938	407.1938	432.5938	457.9938	483.3938	508.7938	534.1938	559.5938	584.9938
3/32	0.06250	306.3875	331.7875	357.1875	382.5875	407.9875							



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165LM	170	18405A	231	2350M	044	2774J	052
16644A	228	18405M	231	2350X	042	2774JS	051
16644AL	228	18410M	232	23760-P	260	2774JS-3/8	084
16655A	228	186	176	2400A	040	2774N	052
16666AL	228	18760	238	2400M	040	2774P	052
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168P	181	2000Z	024	2430T	046	3010M	072
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169HR	280	2025 (TH)	048	2445A	045	3025Z	030
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3300X	064	3753P	082	4128	147	4466A	119
3300XA	064	3753PB	083	4129	149	4711X	154, 285
3300XZ	028	3753RK	306	4131A	155	4711XZ	035
3305A	065	3753SM	082	4132	155	4715	154
3305M	065	3753SMB	083	4133	274	4715S	154
3305M (L120)	068	3755	087	4137	165	4715SL	154
3305M/4-L120	068	3755RK	307	4138	167	4725RK	308
3305P	270, 271	3756	087	4202	277	4725Z	035
3305PZ	029	3756Z	033	4203M	145	4747	119
3305W	066	3756Z-1/2	033	4203MF	145	4749J	110
3305X	064	3756ZS	033	4211A	142	4749N	110
3305XA	064	3757	087	4211M	142	4749RK	306
3310M	066	3760	088	4214M	142	4750BRK	306
3322A	091	3760Z	032	4222M	120	4750J	111
3322AZ	033	3762	087	4223M	120	4750JB	111
3325	067	3763	088	4227M	120	4750N	111
3340C	271	3768J	089	4230A	120	4750NB	111
3340M	070	3768N	089	4230M	120	4750P	111
3341G	273	3768P	089	4232M	120	4750PB	111
3342G	273	3768RK	309	4238AM	121	4750RK	306
3344A	091	3768Z	032	4241A	122	4752J	112
3345P	271	3768ZRK	309	4241M	122	4752N	112
3350M	067	3769H	090	4244A	122	4752RK	307
3350M (L120)	068	3769N	090, 182	4244M	122	4753BRK	306
3350M/2-L120	068, 279	3769NWF	090, 182	4248M	123	4753J	112
3350X	064	3770	090	4250M	123	4753JB	113
3400A	060	3771	090	4251A	123	4753N	112
3400LH	062	3771Z	033	4251M	123	4753NB	113
3400M	060	3772Z	033	4252A	123	4753P	112
3400M-24	277	3774J	084	4252M	123	4753PB	113
3400MZ	028	3774JB	085	4254	123	4753RK	306
3400W	061	3774JBL	086	4261M	124	4755	117
3405A	060	3774JL	086	4263M	124	4755RK	307
3405M	060	3774N	084	4273AM	124	4756	117
3405W	061	3774NB	085	4275	125	4756Z	036
3410M	061	3774NL	086	4276	125	4760	118
3415A	062	3774P	084	4277	125	4760Z	036
3415M	062	3774PB	085	4279AM	125	4763	118
3425	062	3774PL	086	4282	278	4768J	116
3425 (2B)	063	3774PS	084	4285Z	036	4768N	116
3430M	070	3774P-SR	085	4285ZE	036	4768P	116
3440A	069	3776J	081	4289M	125	4768RK	309
3440M	069	3776N	081	4300A	100	4768Z	035
3440T	069	3776P	081	4300C	270	4768ZRK	309
3441M	070	3780	091	4300H	275	4770	117
3445A	069	3785	091	4300H (8P)	275	4771	117
3445M	069	4000 (PH)	103	4300M	100	4771Z	036
3445W	069	4000 (PZ)	103	4300M (L110)	285	4772Z	036
3450M	063	4001	103	4300M (L120)	100	4774J	114
3450MH	063	4005	103	4300M (L60)	285	4774JB	115
3701	272	4006	103	4300PMZ	035	4774N	114
3715	153	4010A	104	4300S	270	4774NB	115
3715S	153	4010M	104	4305A	100	4774P	114
3715SL	153	4010M (12P)	275	4305M	100	4774PB	115
3715SLK	153	4012A	109	4310M	101	4780	118
3716	153	4012M	108	4325	101	4781N	117
3725RK	308	4012M-43	282	4325 (L140)	101	4785	119
3725Z	031	4020	105	4325 (L140)-2B	101	4788	119
3725ZS	031	4020 (MH)	276	4340C	271	6012M	127
3726Z	032	4025 (IP)	107	4400A	097	6100M	143
3726ZS	032	4025 (T)	106	4400LH	099	6100MRK	309
3749BRK	306	4027	107	4400M	096	6101	281
3749N	080	4100A	142	4400M-DU	282	6102M	290
3749RK	306	4100ARK	309	4400MZ	035	6112	162
3749S	080	4100M	142	4400W	097	6112RK	307

6201A	132	BD017E	296	RS2010A/8	047	RS3400A/9	060
6201M	132	BD018	296	RS2010M/7	047	RS3400LH/7	062
6212A	132	BD022	176	RS2025/7	048	RS3400M/12	060
6212M	132	BD023E	297	RS2025/7-HOLE	048	RS3400M/8	060
6260A	133	BD024E	297	RS2025/7-IP	049	RS3400MZ/12	028
6260M	133	BD030W-1/2	297	RS2025/7-IPR	049	RS3400MZ/8	028
6268M	133	BD042E	294	RS2025Z/7	025	RS3400W/7	061
6300A	127	BD14400MJ	300	RS20XXZ/9	024	RS3405A/9	060
6300M	127	BIT-60E	294	RS2127/10	146	RS3405M/12	060
6305A	127	CLIP.P/5	034	RS2127/6	146	RS3405M/8	060
6305M	127	C-Ring	254	RS2300A/9	043	RS3405W/7	061
6400A	126	C-Ring Set	254	RS2300M/12	043	RS3410M/12	061
6400M	126	D3753J	082	RS2300MZ/12	023	RS3425/4 (2B)	063
6405A	126	D4753J	112	RS2300X/12	042	RS3425/9	062
6405A-MV	282	HA001	301	RS2300XZ/9	023	RS3430M/6	070
6405M	126	HA002	301	RS2305A/9	043	RS3440A/8	069
6425	126	HA003	301	RS2305M/12	043	RS3440M/8	069
6644A	131	HA004	301	RS2310M/12	044	RS3440T/8	069
6688A	131	NV13134	251	RS2350M/4	044	RS3441M/5	070
6749	128	NV13145	249	RS2350X/4	042	RS3445W/7	069
6749RK	306	NV13400	249	RS2400A/9	040	RS3450M/10	063
6752	128	NV13760-P	249	RS2400M/12	040	RS3450M/8	063
6752RK	307	NV14134	251	RS2400MZ/12	023	RS3450MH/6	063
6755	129	NV14145	252	RS2400W/9-BA	041	RS3X00MZ/12	029
6755RK	307	NV14400	252	RS2405A/9	040	RS4010A/10	104
6760	129	NV14433A-P	252	RS2405M/12	040	RS4010M/10	104
6768	130	NV14760-P	252	RS2410M/12	041	RS4012A/10	109
6768RK	309	NV16400	253	RS2425/6	042	RS4012M/10	108
6770	131	NV16760	253	RS2445A/9	045	RS4020/6	105
6785	130	O-Ring	255	RS2450MS/6	042	RS4025/9	106
6788	130	P2201AM	059	RS3010A/8	072	RS4025/9-IP	107
8012M	135	P2251M	059	RS3010M/8	072	RS4027/6	107
8102M	290	P2258M	059	RS3010MZ/8	030	RS4127/6	147
8200A	138	P2281A-12P	059	RS3012A/8	073	RS4129/5	149
8200M	138	P2285Z	027	RS3012M/8	073	RS4300A/10	100
8225M	138	P3262M-6P	094	RS3015M/8	074	RS4300M/10	100
8400A	134	Pin	255	RS3020/6	075	RS4305A/10	100
8400M	134	PIPE	128, 130, 136	RS3020/7	075	RS4305M/10	100
8405A	134	PK166PS/6	180	RS3025/8	076	RS4310M/10	101
8405M	134	PK168PS/6	181	RS3025/8-IP	078	RS4325/7	101
8749	136	PK2346/6	091	RS3025/8-L100R	076	RS4400A/10	097
8760	135	PK2760/6	053	RS3025/8-L100RH	077	RS4400LH/6	099
8768	136	PK2763/6	053	RS3025/9-HOLE	077	RS4400M/10	096
8768RK	309	PK3760/6	088	RS3025/9-IPR	078	RS4400MZ/10	035
8770	135	PK3763/6	088	RS3025Z/8	030	RS4400W/8	097
8785	136	PK4760/5	118	RS3027/5	079	RS4405A/10	097
8788	136	PK4763/5	118	RS3127/8	146	RS4405M/10	096
8866A	135	PS6	291	RS3129/6	148	RS4405W/8	097
AG112A	163	PS8	291	RS3300A/9	065	RS4410M/10	098
AG112F	163	Puller	254	RS3300FN/6	067, 274	RS4425/6-EPL	099
AG112H	163	PW6P	291	RS3300M/12	065	RS4425/6-N	098, 281
AG318A	163	PW8L	291	RS3300M/8	065	RS4425/7	098
AN112A	163	PW8P	291	RS3300MZ/12	029	RS4450M/10	099
AN112C	163	PW8P/4	291	RS3300MZ/8	029	RSAL	034
AN14300	286	R810	157	RS3300W/7	066	RSAS2305A/10	043
AN318A	163	R810A	159	RS3300X/8	064	RSAS2405A/10	040
AS2305A	043	R810B	159	RS3300XA/9	064	RSX025/11-IP	078
AS2405A	040	R810C	159	RS3300XZ/12	028	RSX025/11-IPR	078
AS2445A	045	R810D	159	RS3300XZ/8	028	S14240M	217
BD003E-I	296	R810E	159	RS3305A/9	065	S3240A	094
BD004	298	RS13025/8	196	RS3305M/12	065	S3240M	094
BD008E (12P)	294, 295	RS13301X/9	193	RS3305M/8	065	S4240A	121
BD011SE	295	RS13401M/9	190	RS3305W/7	066	S4240M	121
BD013E	296	RS13401MS/11	190	RS3305X/8	064	SP4122	274
BD014E	294	RS14012M/10	210	RS3305XA/9	064	SP4300M	274
BD014E-SF	295	RS14025/6	210	RS3310M/12	066	SP4305M	274
BD014SE	294	RS14124/7	287	RS3325/9	067	ST4027	275
BD014XE-SF	295	RS14301X/10	206	RS3340M/8	070	TI4261M	140
BD016E	300	RS14401M/10	203	RS3350M/5	067		
BD016JE	300	RS14401MS/10	204	RS3350X/4	064		

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