Koken®

Koken TOOL CO., LTD.

Koken
4763-125

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

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■ TEST AND LABORATORY

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

TEST AND LABORATORY

■ DESIGN AND DEVELOPMENT

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

■ FORGING

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

■ TURNING

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

■ HEAT TREATMENT

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

■ INSPECTION

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

FLAT DRIVE®

FLAT DRIVE®

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

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

SOCKETS

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.

NUT GRIP®

NUT GRIP®

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

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

PATHFINDER®

PATHFINDER®

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

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

RATCHET HANDLE

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

OVAL SHAPE SHANK

Unique designed oval shape shank provides extra strength and durability.

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

KNURLING

SERRATION GRIP

Ratchets and Hinge handles have knurling on the grip to ensure the tool can be held securely.
Extension bars also have 6-point knurling on the outside of the female square drive. This gives a grip to hold with your fingers as well as preventing the tool from rolling on flat surfaces.

WOBBLE-FIX

WOBBLE-FIX EXTENSION BAR

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

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

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

ATTACK DRIVER®

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

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

UNIVERSAL JOINT

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

LOCKING ADAPTOR

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

LOCKING ADAPTOR

NUTTWISTER®

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

BOLTTWISTER®

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

License

TORX®/ TORXplus® & 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®

TORX®

TORXplus®

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LHSTIX®

LHstix®

Line Head Straight

LH-S series

LHstix® is a registered trademark of **OSG CORPORATION** System Engineering Department.
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Registered Trademarks

Koken®

工研®

Koken® TOOLS

Koken TOOL CO., LTD. ®

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

山下工業研究所®
山下工研®
S.O.D.H-System®
Flatdrive®
ATTACK DRIVER®
HANDY-ENDY®
PATHFINDER®
Nut Grip®
LOCK NUT BUSTER®
NUT TWISTER®
BOLT TWISTER®

Aerial Photograph

Warranty

WARRANTY

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

GARANTIA

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

ISO9001

ISO 9001
Management System Certificate

Certificate Number : JQA-1028

Organization :
KO-KEN TOOL CO., LTD.
656 NAKANO, KAKEGAWA-CITY, SHIZUOKA, JAPAN

JQA certifies that the above organization operates the Quality Management System, within the scope of the Appendix attached, which has been assessed and found to comply with the requirements of:

ISO 9001 :2015 / JIS Q 9001 :2015

Registration Date : November 6, 1995
Last Renewal Date : January 9, 2019

Expiry Date : January 8, 2022
Feel free to contact JQA for the validity of this certificate.

NORIAKI KOBAYASHI
PRESIDENT
1-25 KANDASUDACHO, CHIYODA-KU, TOKYO, JAPAN

JAPAN QUALITY ASSURANCE ORGANIZATION
To be used in conjunction with attached Appendix.

JQA

ISO 9001
Appendix

Certificate Number : JQA-1028

Organization :
KO-KEN TOOL CO., LTD.

Scope of Registration:

JAPAN QUALITY ASSURANCE ORGANIZATION

JQA

SAFETY ADVISER

GENERAL / CONSIDERACIONES GENERALES

(a) Make sure you use the right type socket, whose opening fit the nut.
Asegurarse de utilizar el tipo de vaso adecuado, con una boca que se ajuste a la tuerca.

(b) For use on electric or air IMPACT Wrenches select IMPACT Sockets only.
Con llaves mecánicas de IMPACTO, utilizar solamente Vasos de IMPACTO.

(c) When using nut runners or IMPACT Wrenches wear safety goggles.
Cuando se utilicen aprieta-tuercas mecánicos o llaves de IMPACTO, llevar siempre gafas de seguridad.

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

(e) Never substitute a HAND Socket for an INDUSTRIAL Socket or an IMPACT Socket, or an INDUSTRIAL Socket for an IMPACT Socket.
No sustituir nunca un vaso INDUSTRIALES o un vaso de IMPACTO por un vaso MANUAL, ni un vaso de IMPACTO por un vaso INDUSTRIALES.

(f) Items in this catalogue marked ⚠ can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.
Los artículos de este catálogo marcados ⚠ se pueden forzar con pares que pueden causar rotura.En interés de su propia seguridad aplicar siempre el par uniforme y progresivamente para evitar la rotura y posibles lesiones.

SOCKETS / VASOS

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

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

HANDLES / MANGOS

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

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

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

EXTENSION BARS / ALARGADERAS

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

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

ADAPTORS / ADAPTADORES

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

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

Z-series

Z-Series : Feature

Z-series

COMPACT

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

TOLERANCE-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.

* A, B : Other Brand

RATCHET HANDLE

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

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2400MZ

6-point Sockets
Vasos Hexagonales

2400MZ (mm)	D1 (mm)	D2 (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

RS2400MZ/12

Socket Set on Rail
Juego de Vasos en Regleta

2300XZ

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

2300XZ (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

RS2300XZ/9

Socket Set on Rail
Juego de Vasos en Regleta

2300MZ

6-point Deep Sockets
Vasos Hexagonales Largos

2300MZ (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

RS2300MZ/12

Socket Set on Rail
Juego de Vasos en Regleta

2000Z-28 · -50

Phillips Bit Sockets
Vasos con Punta Phillips

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

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

2005Z-25

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada

2005Z.25	T × W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0 × 5.5	11.2	9	25	9	10
6	1.2 × 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 · -50

TORX® Bit Sockets
Vasos con Punta TORX®

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

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

RS2025Z/7-L28
RS2025Z/7-L50

Socket Set on Rail
Juego de Vasos en Regleta

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

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

36

2725Z
2725Z-160

Reversible Ratchet
Llave de Carraca Reversible

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

* Renewal Kits → 2725RK ➡P305

36 Flexible Head

2726Z
2726Z-160

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

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

* Renewal Kits → 2725RK ➡P305

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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

UNIVERSAL JOINT

	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
New **2756Z-1/2**	20.3	26	35	10

P2285Z

Socket Set
Juego de Vasos

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**
2000Z.28 1, 2, 3	**2756Z**
2005Z.25 5, 6	**2771Z**
2010MZ.25 3, 4, 5, 6	**2760Z-50**
	2760Z-150

2286Z

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

2285ZE

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

3400MZ

6-point Sockets
Vasos Hexagonales

3400MZ (mm)	D1 (mm)	D2 (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
RS3400MZ/12

Socket Set on Rail
Juego de Vasos en Regleta

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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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
RS3300XZ/12

Socket Set on Rail
Juego de Vasos en Regleta

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

6-point Deep Sockets
Vasos Hexagonales Largos

3300MZ (mm)	D_1 (mm)	D_2 (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
7	10.3	17	8	41.5	55	29	10
8	11.5	17	9	41.5	55	34	10
10	14	17	11	41.5	55	43	10
11	15.3	17	12	41.5	55	45	10
12	16.5	17	13	41.5	55	49	10
13	17.8	17	14	41.5	55	52	10
14	19	17	16	41.5	55	55	10
15	20.2	18.2	16	40.5	55	65	10
16	21.3	19.3	17	40.5	55	74	10
17	22.5	20.5	18	40.5	55	83	10
18	23.6	21.6	19	39.5	55	90	10
19	24.8	22.8	20	39.5	55	95	10

RS3300MZ/8
RS3300MZ/12

Socket Set on Rail
Juego de Vasos en Regleta

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

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

RS3X00MZ/12

Socket Set on Rail
Juego de Vasos en Regleta

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

3300CZ

Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

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

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

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

SPARK PLUG SOCKET

3305PZ

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

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

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

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

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
RS3010MZ/8-L75

Socket Set on Rail
Juego de Vasos en Regleta

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

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

3025Z-50 · -75

TORX® Bit Sockets
Vasos con Punta TORX®

3025Z.50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	17	3	23.5	50	27	10
T15	17	3.5	23.5	50	28	10
T20	17	3.9	23.5	50	28	10
T25	17	4.5	23.5	50	29	10
T27	17	5	23.5	50	30	10
T30	17	5.6	23.5	50	31	10
T40	17	6.7	23.5	50	35	10
T45	17	7.83	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
RS3025Z/8-L75

Socket Set on Rail
Juego de Vasos en Regleta

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

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

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2725Z-3/8
2725Z-3/8 (L160)

Reversible Ratchet Short
Llave de Carraca Reversible Corta

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

* Renewal Kits→**2725RK-3/8** ➡P305

36

3725ZS

Reversible Ratchet Short
Llave de Carraca Reversible Corta

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

* Renewal Kits→**3725RK** ➡P305

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3725Z
3725Z-280

Reversible Ratchet
Llave de Carraca Reversible

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

* Renewal Kits→**3725RK** ➡P305

36 Flexible Head

2726Z-3/8
2726Z-3/8 (L160)

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

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

* Renewal Kits→**2725RK-3/8** ➡P305

3726ZS

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

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

* Renewal Kits → 3725RK ➡P305

3726Z
3726Z-280

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

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 ➡P305

3768Z-250
3768Z-400

Hinge Handle
Mango Articulado

OVAL SHAPE SHANK

RENEWAL KIT FOR HINGE HANDLE

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

* Renewal Kits → 3768ZRK ➡P306

3760Z

Extension Bars
Alargaderas

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

	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.)
New 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

3285Z

Socket Set
Juego de Vasos

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

3285ZA

Socket Set
Juego de Vasos

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

Socket Set
Juego de Vasos

3286Z	21 Pieces Set/⚖=2,600g
BLACK METAL CASE:W415×H120×T50mm	
Sockets	**Accessories**
3400MZ 6-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	**3725Z**
	3756Z
	3771Z
	3768Z-250
	3760Z-75
	3760Z-125
	3760Z-250

3285ZE

Socket Set
Juego de Vasos

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

RSAL200
RSAL300

Rail
Regleta

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

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

RSAL
CLIP.P/5

RAIL

	RAIL (mm)	⚖ (g)	(pce.)
RSAL200	200	110	1
RSAL300	300	145	1
RSAL400	400	210	1

CLIP

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

4400MZ

6-point Sockets
Vasos Hexagonales

4400MZ (mm)	D1 (mm)	D2 (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

Socket Set on Rail
Juego de Vasos en Regleta

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

4725Z

Reversible Ratchet
Llave de Carraca Reversible

36

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

* Renewal Kits → 4725RK P305

4768Z-430

Hinge Handle
Mango Articulado

RENEWAL KIT FOR HINGE HANDLE

OVAL SHAPE SHANK

OVAL Shank

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

* Renewal Kits → 4768ZRK P306

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.)
New 4772Z	23.7	87.2	170	5

4756Z

Quick Spinner
Disco de Giro Rápido

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

4285Z

Socket Set
Juego de Vasos

4285Z — 21 Pieces Set/⚖=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		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 2400A 2400W	mm inch BA	40 40 41	3400M 3400A 3400W	mm inch BSW	60 60 61	4400M 4400A 4400W	mm inch BSW	96 97 97	6400M 6400A	mm inch	126 126	8400M 8400A	mm inch	134 134
	12-point	2405M 2405A AS2405A	mm inch inch	40 40 40	3405M 3405A 3405W	mm inch BSW	60 60 61	4405M 4405A 4405W	mm inch BSW	96 97 97	6405M 6405A	mm inch	126 126	8405M 8405A	mm inch	134 134
	Surface	2410M	mm	41	3410M	mm	61	4410M	mm	98						
	NUT GRIP®	2450MS	mm	42	3450M 3450MH	mm mm	63 63	4450M	mm	99						
	TORX® (E)	2425	TORX®	42	3425	TORX®	62	4425 4425-N	TORX® TORX®	98 98	6425	TORX®	126			
	TORX®(E) (NUT GRIP®)				3425(2B)	TORX®	63									
	TORXplus® (EP)							4425-EPL	TORXplus®	99						
	LH-S				3400LH	LH-STIX®	62	4400LH	LH-STIX®	99						
	Double Square	2415M 2415A	mm inch	41 41	3415M 3415A	mm inch	62 62									
Semi Deep Sockets	6-point	2300X	mm	42	3300X 3300XA	mm inch	64 64									
	12-point				3305X 3305XA	mm inch	64 64									
	NUT GRIP®	2350X	mm	42	3350X	mm	64									
Deep Sockets	6-point	2300M 2300A 2300W	mm inch BA	43 43 44	3300M 3300A 3300W	mm inch BSW	65 65 66	4300M 4300A	mm inch	100 100	6300M 6300A	mm inch	127 127			
	12-point	2305M 2305A AS2305A	mm inch inch	43 43 43	3305M 3305A 3305W	mm inch BSW	65 65 66	4305M 4305A	mm inch	100 100	6305M 6305A	mm inch	127 127			
	Surface	2310M	mm	44	3310M	mm	66	4310M	mm	101						
	NUT GRIP®	2350M	mm	44	3350M	mm	67									
	TORX® (E)	2325	TORX®	44	3325	TORX®	67	4325	TORX®	101						
	Flare Nut				3300FN	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		102						
Universal Sockets	6-point	2440M 2440A	mm inch	45 45	3440M 3440A	mm inch	69 69	4440M 4440A	mm inch	102 102						
	12-point	2445M 2445A AS2445A	mm inch inch	45 45 45	3445M 3445A 3445W	mm inch BSW	69 69 69	4445M 4445A	mm inch	102 102						
	NUT GRIP®	2441M	mm	45	3441M	mm	70									
	TORX® (E)	2440T	TORX®	45	3440T	TORX®	69	4440T	TORX®	102						
Universal Deep Sockets	6-point				3340M	mm	70									
Bit Sockets	PH	2000	PH	46	3000 3001	PH PH	71 79	4000 4001	PH PH	103 103						
	PZ	2000(PZ)	PZ	46	3000(PZ)	PZ	71	4000(PZ)	PZ	103						
	Slotted	2005	Slotted	46	3005 3006	Slotted Slotted	71 79	4005 4006	Slotted Slotted	103 103						
	Hexagon	2010M 2010A	mm inch	47 47	3010M 3010A 3012M 3012A	mm inch mm inch	72 72 73 73	4010M 4010A 4012M 4012A	mm inch mm inch	104 104 108 109	6012M	mm	127	8012M	mm	135
	Hexagon (Grip Ring)				3015M	mm	74									
	Hexagon (Ball Point)	2011M	mm	47	3011M	mm	74									
	XZN (Triple Square)	2020	XZN	47	3020	XZN	75	4020	XZN	105						
	TORX® (T)	2025(T)	TORX®	48	3025(T)	TORX®	76	4025(T)	TORX®	106						
	TORX® (TH)	2025(TH)	TORX®	48	3025(TH)	TORX®	77									
	TORXplus® (IP)	2025(IP)	TORXplus®	49	3025(IP)	TORXplus®	78	4025(IP)	TORXplus®	107						
	TORXplus® (IPR)	2025(IPR)	TORXplus®	49	3025(IPR)	TORXplus®	78									
	Ribe CV				3027	Ribe CV	79	4027	Ribe CV	107						
Universal Bit Sockets	Hexagon	2430M	mm	46	3430M	mm	70									
	TORX® (T)	2430T	TORX®	6												

Handles/Accessories		Square Drive									
		1/4"(6.35mm)SQ.		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				

2400M · 2400A

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

2400M 2405M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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
RS2405M/12

Socket Set on Rail
Juego de Vasos en Regleta

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

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

RS2400A/9
RS2405A/9

Socket Set on Rail
Juego de Vasos en Regleta

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

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

AS2405A

12-point Sockets, AS954
Vasos Bihexagonales

SAE AS954

AS2405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	7.7	10.9	5.1	22	8	10
7/32	8.5	10.9	5.5	22	8	10
1/4	9.4	10.9	5.9	22	8	10
9/32	10.2	10.9	6.1	22	8	10
5/16	11.3	11.7	7.3	22	10	10
11/32	12.5	12	7.5	22	10	10
3/8	13.7	12.9	8.2	22	13	10
7/16	15.6	14.3	9.4	22	17	10
1/2	17.2	16.4	10.3	22	20	10
9/16	18.8	17.9	11	24	27	10

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

RSAS2405A/10

Socket Set on Rail
Juego de Vasos en Regleta

SAE AS954

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

2410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

SURFACE DRIVE

2410M (mm)	D1 (mm)	D2 (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

Socket Set on Rail
Juego de Vasos en Regleta

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

2400W-BA

6-point Sockets
Vasos Hexagonales

2400W (BA)	D1 (mm)	D2 (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

Socket Set on Rail
Juego de Vasos en Regleta

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
Across Flat	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

2415M · 2415A

Double Square Sockets
Vasos Octagonales

2415M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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

2425

TORX® Sockets
Vasos TORX®

2425 (E)	D1 (mm)	D2 (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

Socket Set on Rail
Juego de Vasos en Regleta

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

TORX® (E)

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

2450MS

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

NUT GRIP®

2450MS (mm)	D1 (mm)	D2 (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

2300X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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
New **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

Socket Set on Rail
Juego de Vasos en Regleta

RS2300X/12	12 Pieces Set/Rail 200mm	(g)
New **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

2350X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12.3	11.2	5	22	32	17	10
10	14.2	12.9	6	22	32	22	10
12	17.3	16	7	22	32	34	10
14	20	18	8.5	22	32	43	10

NUT GRIP®

RS2350X/4

Socket Set on Rail
Juego de Vasos en Regleta

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

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2300M · 2300A

6-point Deep Sockets
Vasos Hexagonales Largos

FLAT DRIVE®

2300M 2305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3	5.5	11.2	3	40	50	15	10
4	6.7	11.2	4	40	50	15	10
4.5	7.3	11.2	4.5	40	50	15	10
5	8	11.2	5.5	40	50	17	10
5.5	8.5	11.2	6	40	50	17	10
6	9.2	11.2	7	40	50	20	10
7	10.5	11.2	8	40	50	25	10
8	11.8	11.2	9	40	50	25	10
9	13	12	10	40	50	30	10
10	14.3	12.9	11	39	50	34	10
11	15.5	14.3	12	39	50	43	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	52	10
14	19.3	17.9	16	38	50	57	10

2305M · 2305A

12-point Deep Sockets
Vasos Bihexagonales Largos

2300A 2305A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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
RS2305M/12

Socket Set on Rail
Juego de Vasos en Regleta

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

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

RS2300A/9
RS2305A/9

Socket Set on Rail
Juego de Vasos en Regleta

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

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

AS2305A

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

SAE AS954

AS2305A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3/16	7.7	10.9	6	40	50	17	10
7/32	8.5	10.9	6.5	40	50	17	10
1/4	9.4	10.9	7	40	50	19	10
9/32	10.2	10.9	8	40	50	18	10
5/16	11.3	11.7	9	40	50	23	10
11/32	12.5	12	10	40	50	24	10
3/8	13.7	12.8	11	39	50	31	10
7/16	15.6	14.2	12	39	50	38	10
1/2	17.2	16.2	14	39	50	42	10
9/16	18.8	17.1	16	38	50	47	10

Aerospace Standard SAE AS954
Norma Aeroespacial SAE AS954

RSAS2305A/10

Socket Set on Rail
Juego de Vasos en Regleta

SAE AS954

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

2310M

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

SURFACE DRIVE

2310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)
New	**4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14**		400

2300W-BA

6-point Deep Sockets
Vasos Hexagonales Largos

2300W (BA)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	9.8	11.2	7	40	50	22	10
3	10.5	11.2	8	40	50	25	10
2	11.8	11.2	9	40	50	25	10
1	13	12	10	40	50	30	10
0	14.9	13.6	12	39	50	38	10

BA

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

2325

TORX® Deep Sockets
Vasos TORX® Largos

2325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	12	4.6	40	50	17	10
E 5	6.8	12	5.2	40	50	20	10
E 6	8	12	5.4	40	50	20	10
E 7	8.3	12	6.6	40	50	22	10
E 8	9.8	12	7	40	50	25	10
E10	11.6	12	8.2	40	50	29	10

TORX® (E)

E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S_1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S_2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

2350M

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

2350M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12.3	11.2	5	40	50	30	10
10	14.2	12.9	6	39	50	35	10
12	17.3	16	7	39	50	55	10
14	19.9	18	8.5	38	50	70	10

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

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2440M · 2440A

6-point Universal Sockets
Vasos Hexagonales con Articulación Universal

2440M 2445M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	6.7	13	4.8	31.5	17	10
5	8	13	5.3	32	17	10
6	9.2	13	6.1	33	18	10
7	10.5	13	6.5	33	19	10
8	11.7	13	7	34	19	10
9	13	13	7	34	20	10
10	14.2	13	8.3	35	20	10
11	15.5	13	9.5	36	21	10
12	16.7	13	10	37	21	10
13	18	13	10.5	37	26	10
14	19.2	13	10.5	37	28	10

2440A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	9.8	13	6.5	33	18	10
5/16	11.7	13	7	34	19	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

2445A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	8	13	5.3	32	18	10
1/4	9.8	13	6.5	33	18	10
9/32	10.5	13	6.5	33	19	10
5/16	11.7	13	7	34	19	10
11/32	13	13	7	34	20	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

2445M · 2445A

12-point Universal Sockets
Vasos Bihexagonales con Articulación Universal

RS2445A/9

Socket Set on Rail
Juego de Vasos en Regleta

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

AS2445A

12-point Universal Sockets
Vasos Bihex con Articulación Universal

AS2445A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	9.6	12.9	5.7	31.8	18	10
5/16	11.7	12.9	7	34.6	21	10
3/8	13.5	12.9	8.3	35.1	21	10
7/16	15.5	12.9	9.5	39.1	25	10
1/2	17.2	12.9	10.5	40.1	27	10

2440T

TORX® Universal Sockets
Vasos TORX® con Aritculación Universal

2440T (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 6	8	13	5.4	31.9	20	10
E 8	9.8	13	7	33.1	20	10
E10	11.7	13	8.2	33.6	21	10
E12	14.2	13	9.3	35.1	24	10

2441M

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

2441M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
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®

2430M

Universal Inhex Sockets
Vasos Hexagonales con Articulación Universal

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

2430T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal

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

2000-28 (PH)

Phillips Bit Sockets
Vasos con Punta Phillips

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

2000-28 (PZ)

PZ Bit Sockets
Vasos con Punta PZ

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

2005-25

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada

2005.25	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

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2010M-25 · -100
2010A-25

Inhex Bit Sockets
Vasos con Punta Hexagonal

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

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

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

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

2011M-50

Ballpoint Inhex Bit Sockets
Vasos con Punta de Bola Inhex

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

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

2020-28 · -50

XZN Bit Sockets
Vasos con Punta XZN

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

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

XZN

XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S_1	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S_2	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

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

TORX® (T)

T		T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S_2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

2025-28 (TH)

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

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

RS2025/7-HOLE

Socket Set on Rail
Juego de Vasos en Regleta

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

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

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

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2025-28 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

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

RS2025/7-IP

Socket Set on Rail
Juego de Vasos en Regleta

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

TORXPLUS® (IP)

IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S_2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

2025-28 (IPR)

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

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

RS2025/7-IPR

Socket Set on Rail
Juego de Vasos en Regleta

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

TORXPLUS® (IPR)

IPR		8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S_1	(ref. mm)	2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
S_2	(ref. mm)	2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7

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2753PS

Reversible Ratchet Short
Llave de Carraca Reversible Corta

RATCHET HANDLE

S.O.D.H.-System | Two-Step Dog | 20

* Renewal Kits → 2753RK P304

	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

S.O.D.H.-System | Two-Step Dog | 20

* Renewal Kits → 2753RK P304

2753P

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H.-System | Two-Step Dog | 20

* Renewal Kits → 2753RK P304

2753J

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H.-System | Two-Step Dog | 20

* Renewal Kits → 2753RK P304

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

2753P-160

Reversible Ratchet Long
Llave de Carraca Reversible Larga ⚠

S.O.D.H.-System | Two-Step Dog | 20

* Renewal Kits → 2753RK P304

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

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

2753NB

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

S.O.D.H-System | Two-Step Dog | 20 | Quick Release

* Renewal Kits → 2753BRK ➡P304

2753PB

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

S.O.D.H-System | Two-Step Dog | 20 | Quick Release

* Renewal Kits → 2753BRK ➡P304

2753JB

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

S.O.D.H-System | Two-Step Dog | 20 | Quick Release

* Renewal Kits → 2753BRK ➡P304

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

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

2752N

Reversible Ratchet
Llave de Carraca Reversible

44

* Renewal Kits → 2752RK ➡P304

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

2774PS

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | 20 | Flexible Head

* Renewal Kits → 2753RK ➡P304

2774JS

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | 20 | Flexible Head

* Renewal Kits → 2753RK ➡P304

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

2774N

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.R-System 20 Flexible Head

* Renewal Kits → 2753RK P304

2774P

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.R-System 20 Flexible Head

* Renewal Kits → 2753RK P304

2774J

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.R-System 20 Flexible Head

* Renewal Kits → 2753RK P304

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

2755

Ratchet Adaptor
Adaptador de carraca

44

* Renewal Kits → 2755RK P306

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

2756

Quick Spinner
Disco de giro Rápido

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

2762

Flexible Extension Bar
Alargadera Flexible

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

2120

Magnetic Head

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

2760 Extension Bars Alargaderas

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

PK2760/6 Set Juego

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

WOBBLE-FIX EXTENSION BAR

Wobble-Fix

2763 Wobble-Fix Extension Bars Alargaderas Articuladas-Fijas ⚠

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

PK2763/6 Set Juego

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

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

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

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

* Renewal Kits → **2768RK** ➡P306

2768N Hinge Handle Mango Articulado

* Renewal Kits → **2768RK** ➡P306

2768P Hinge Handle Mango Articulado

* Renewal Kits → **2768RK** ➡P306

2768J Hinge Handle Mango Articulado

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

2769N-150 · -220

Spin Type Handle
Mango Tipo Destornillador

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

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

2769NWF-150 · -220

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

Wobble-Fix

WOBBLE-FIX EXTENSION BAR

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

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

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

2769F

Spin Type Handle
Mango Tipo Destornillador

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

2769H

Folding Socket Driver
Llave de Vaso Plegable

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

2770 Universal Joint
Articulación Universal

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

2771 Universal Joint
Articulación Universal

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

UNIVERSAL JOINT

2780 Speed Handle
Manivela Rápida

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

2785 T-Handle
Mango Corredizo

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

2233A Adaptor
Adaptador

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

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 Phillips 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

2257M Socket Set / Juego de Vasos

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

2260M Socket Set / Juego de Vasos

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

2261M Socket Set / Juego de Vasos

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

2262M Socket Set / Juego de Vasos

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

2274M · 2274A 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	

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	

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

2277

Sockets Set
Juego de Vasos

2277	21 Pieces Set/=1,240g
METAL CASE: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

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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**
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

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	**2753N**
2000.28 Bit Sockets 1, 2, 3	**2760-100**
2005.25 Bit Sockets 4, 6	**2769N-150**
2010M.25 Bit Sockets 3, 4, 5, 6, 8	**2770**
2025.28 Bit Sockets T10, T15, T20, T25, T30	**2785**

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

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3400M · 3400A

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

3400M 3405M (mm)	D1 (mm)	D2 (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

3405M · 3405A

12-point Sockets
Vasos Bihexagonales

3400A 3405A (inch)	D1 (mm)	D2 (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

FLAT DRIVE®

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

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

RS3400M/8
RS3405M/8

Socket Set on Rail
Juego de Vasos en Regleta

RS3400M/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
RS3405M/12

Socket Set on Rail
Juego de Vasos en Regleta

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
RS3405A/9

Socket Set on Rail
Juego de Vasos en Regleta

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)	D1 (mm)	D2 (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

SURFACE DRIVE

3410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

SURFACE DRIVE

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

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

RS3410M/12

Socket Set on Rail
Juego de Vasos en Regleta

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

3400W 3405W (W)	D1 (mm)	D2 (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
RS3405W/7

Socket Set on Rail
Juego de Vasos en Regleta

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

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

BS W

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

3415M · 3415A

Double Square Sockets
Vasos Octagonales

3415M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

3400LH

LHS Sockets
Vasos LHS

3400LH (LH-S)	D1 (mm)	D2 (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

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LHSTIX® is a registered trademark of **OSG CORPORATION** System Engineering Department.
LHSTIX® es una marca registrada de **OSG CORPORATION** System Engineering Department.

3450M

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

NUT GRIP®

3450M (mm)	D1 (mm)	D2 (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

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

RS3450M/10

Socket Set on Rail
Juego de Vasos en Regleta

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

3450MH

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

NUT GRIP®

	3450MH (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
New	**8**	12	5	17	26	30	10
New	**10**	14.5	6	17	26	30	10
New	**12**	16.8	7	17	26	29	10
New	**13**	18	8	17	26	28	10
New	**14**	19.5	8.5	17	27	32	10
New	**17**	23.3	9.5	17	29	41	10

RS3450MH/6

Socket Set on Rail
Juego de Vasos en Regleta

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

3425 (2B)

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

3425 (2B)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10	12	17.3	8.2	26	23	10
E12	14.5	17.3	9.3	26	25	10
E14	15.8	17.3	10.6	26	26	10
E16	18.1	17	11.8	26	27	10
E18	19.5	18.5	12	32	41	10
E20	21.9	20	14.4	32	52	10

RS3425/4 (2B)

Socket Set on Rail
Juego de Vasos en Regleta

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

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

3300X · 3300XA

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

FLAT DRIVE®

3300X 3305X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	9	26.5	40	34	10
9	13	17.3	10	26.5	40	36	10
10	14.5	17.3	11	26.5	40	36	10
11	16	17.2	12	26.5	40	36	10
12	16.8	17.2	13	26.5	40	36	10
13	18	17	14	26.5	40	37	10
14	20	18	16	26.5	40	46	10
15	21	20	16	25.5	40	49	10
16	22	20	17	25.5	40	51	10
17	23.5	22	18	25.5	40	61	10
18	24.5	23	19	24.5	40	68	10
19	25	24	20	24.5	40	75	10

3305X · 3305XA

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

3300XA 3305XA (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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
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
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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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 · 3300A

6-point Deep Sockets
Vasos Hexagonales Largos

3300M 3305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

3305M · 3305A

12-point Deep Sockets
Vasos Bihexagonales Largos

3300A 3305A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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
RS3305M/8

Socket Set on Rail
Juego de Vasos en Regleta

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
RS3305M/12

Socket Set on Rail
Juego de Vasos en Regleta

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
RS3305A/9

Socket Set on Rail
Juego de Vasos en Regleta

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

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

3310M

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

SURFACE DRIVE

3310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

3305W

12-point Deep Whitworth Sockets
Vasos Whitworth Bihexagonales Largos

3300W 3305W (W)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

RS3300W/7
RS3305W/7

Socket Set on Rail
Juego de Vasos en Regleta

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

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

BS W

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

3325

TORX® Deep Sockets
Vasos TORX® Largos

3325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

Socket Set on Rail
Juego de Vasos en Regleta

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

TORX® (E)

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

3350M

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

3350M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

NUT GRIP®

RS3350M/5

Socket Set on Rail
Juego de Vasos en Regleta

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

3300FN

Flare Nut Sockets
Llaves de vaso para entubar

3300FN (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	S (mm)	(g)	(pcs.)
8	14.5	17.3	6	53	6.4	38	10
9	16	17.3	7	53	6.8	41	10
10	16.8	17.2	7.5	53	7.2	42	10
11	18	17	8.5	53	8.3	42	10
12	20	18	9	53	8.8	50	10
13	21.1	20	9.5	62	9.4	66	10
14	22	20	10.5	62	10.5	66	10
15	23	22	11	70	11.5	82	10
16	24	23	11.5	70	12	90	10
17	25	24	12.5	80	13	110	10
18	27	25	13	80	13.5	120	10
19	28	26	14	80	14.5	130	10
22	32	29.5	16	80	16	180	10
24	34.5	31.5	17	80	17	200	10

RS3300FN/6

Socket Set on Rail
Juego de Vasos en Regleta

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

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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)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (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
3305M/4-L120

Socket Set
Juego de Vasos

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)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (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 · 3440A

6-point Universal Sockets
Vasos Hexagonales Universal

3440M 3445M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	19	7.3	47	50	10
9	13.3	19	7.8	47.5	50	10
10	14.5	19	8.8	48.5	64	10
11	15.8	19	9.8	49.5	66	10
12	17	19	10.3	50	67	10
13	18.3	19	11.3	51	68	10
14	19.5	19	11.3	51	69	10
15	20.8	19	12.8	53.5	70	10
16	22	19	12.8	53.5	77	10
17	23.3	19	13.8	54.5	80	10
18	24.5	19	13.8	54.5	80	10
19	25.8	19	15.8	56.5	84	10
21	28.3	19	16.8	56.5	96	10

3445M · 3445A

12-point Universal Sockets
Vasos Bihexagonales con Articulación Universal

3440A 3445A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	12	19	7.3	47	50	10
3/8	14	19	8.3	48	64	10
7/16	15.8	19	9.8	49.5	66	10
1/2	18.3	19	11.3	51	68	10
9/16	19.5	19	11.3	51	69	10
5/8	22	19	12.8	53.5	77	10
11/16	24.5	19	13.8	54.5	80	10
3/4	25.8	19	15.8	56.5	84	10

RS3440M/8
RS3440A /8

Socket Set on Rail
Juego de Vasos en Regleta

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

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

3445W

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

3445W (W)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	13.3	19	7.8	47.5	50	10
3/16	15.8	19	9.7	49.5	66	10
1/4	18.3	19	11.3	51	68	10
5/16	20.8	19	12.8	53.5	70	10
3/8	24.5	19	13.8	54.5	80	10
7/16	28.3	19	16.8	57.5	96	10
1/2	30.8	19	17.8	58.5	105	10

RS3445W/7

Socket Set on Rail
Juego de Vasos en Regleta

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

3440T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal

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

RS3440T/8

Socket Set on Rail
Juego de Vasos en Regleta

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

TORX® (E)

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

3441M

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

NUT GRIP®

3441M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

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

3117M-125 · -250

Extension Deep Sockets
Vasos con Alargadera

3117M.125 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pce.)
10	14.5	18	10	44	125	121	1
11	16	18	11	44	125	133	1
12	17	18	12	44	125	133	1
13	18	18	13	44	125	134	1
14	19.5	18	14	44	125	145	1
17	23.5	18	17	44	125	178	1
19	25	18	19	44	125	187	1
21	27	18	21	44	125	195	1
22	29	18	22	44	125	214	1

3117M.250 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pce.)
10	14.5	18	10	44	250	233	1
11	16	18	11	44	250	241	1
12	17	18	12	44	250	246	1
13	18	18	13	44	250	249	1
14	19.5	18	14	44	250	262	1
17	23.5	18	17	44	250	289	1
19	25	18	19	44	250	298	1
21	27	18	21	44	250	302	1
22	29	18	22	44	250	325	1

3000-60 (PH)

Phillips Bit Sockets
Vasos con Punta Phillips

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

3000-50 (PZ)

PZ Bit Sockets
Vasos con Punta PZ

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

3005-60

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada

3005	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

	Phillips (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

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

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

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

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

RS3010M/8-L38
RS3010M/8-L62
RS3010M/8-L100
RS3010A/8-L50

Socket Set on Rail
Juego de Vasos en Regleta

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

3012M-25

Inhex Sockets
Vasos con Punta de Hexagonal

3012M.25 (mm)	D (mm)	H1 (mm)	H2 (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-52 · -62 · -75
3012A -52 · -62 · -75

Inhex Sockets
Vasos con Punta de Hexagonal

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

3012M.52 (mm)	D (mm)	H1 (mm)	H2 (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

3012A.52 (inch)	D (mm)	H1 (mm)	H2 (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

3012M.62 (mm)	D (mm)	H1 (mm)	H2 (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

3012A.62 (inch)	D (mm)	H1 (mm)	H2 (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

3012M.75 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3	18	10	57	75	41	10
4	18	15.5	57	75	43	10
5	18	15.5	57	75	48	10
6	18	15.5	57	75	53	10
7	18	15.5	57	75	58	10
8	18.5	15.5	57	75	72	10
9	18.5	15.5	57	75	92	10
10	20	15.5	57	75	114	10
11	20	15.5	57	75	120	10
12	20	15.5	57	75	127	10
13	20	15.5	57	75	132	10
14	20	15.5	57	75	146	10

3012A.75 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
1/8	18	10	57	75	41	10
5/32	18	15.5	57	75	43	10
3/16	18	15.5	57	75	48	10
7/32	18	15.5	57	75	53	10
1/4	18	15.5	57	75	53	10
9/32	18	15.5	57	75	58	10
5/16	18.5	15.5	57	75	72	10
11/32	18.5	15.5	57	75	92	10
3/8	20	15.5	57	75	110	10
7/16	20	15.5	57	75	120	10
1/2	20	15.5	57	75	132	10
9/16	20	15.5	57	75	146	10

RS3012M/8-L52
RS3012A /8-L52

Socket Set on Rail
Juego de Vasos en Regleta

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

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

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
RS3015M/8-L100

Socket Set on Rail
Juego de Vasos en Regleta

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

3020-38 · -50 · -100 · -120

XZN Bit Sockets
Vasos con punta XZN

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

Socket Set on Rail
Juego de Vasos en Regleta

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

RS3020/7-L50

Socket Set on Rail
Juego de Vasos en Regleta

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

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

3025-38 · -50 · -140 (T)

TORX® Bit Sockets
Vasos con Punta TORX®

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

3025.50 (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

3025.140 (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
RS3025/8-L50

Socket Set on Rail
Juego de Vasos en Regleta

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

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

TORX® (T)

T		T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S_2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

3025-50-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

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

3025-50 · -160 (TH)

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

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

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

3025.50 (TH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10H	18	23.5	50	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

Socket Set on Rail
Juego de Vasos en Regleta

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

3247

Bit Socket Set
Juego de Vasos con Punta

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

3025-100R (TH)

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

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

RS3025/8-L100RH

Socket Set on Rail
Juego de Vasos en Regleta

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

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

3025-50 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

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

Socket Set on Rail
Juego de Vasos en Regleta

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

RSX025/11-IP

Socket Set on Rail
Juego de Vasos en Regleta

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

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

TORXPLUS® (IP)

IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S_2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

3025-50 (IPR)

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

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

RS3025/9-IPR

Socket Set on Rail
Juego de Vasos en Regleta

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

RSX025/11-IPR

Socket Set on Rail
Juego de Vasos en Regleta

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

1/4" + 3/8"

TORXPLUS® (IPR)

IPR		8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S_1	(ref. mm)	2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
S_2	(ref. mm)	2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7

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3027-50 · -100

Bit Sockets for Ribe Screws
Vasos con Punta Ribe

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

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

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

Socket Set on Rail
Juego de Vasos en Regleta

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

3001

Phillips Bit Sockets
Vasos con Punta Phillips

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

Slotted Bit Sockets
Vasos con Punta Recta para Cabeza Ranurada

3006	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0× 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.

2749PS-3/8

Reversible Ratchet Short
Llave de Carraca Reversible Corta

RATCHET HANDLE

S.O.D.H-System 24

* Renewal Kits → 2749RK-3/8 P304

	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

S.O.D.H-System 24

* Renewal Kits → 2749RK-3/8 P304

2749P-3/8

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System 24

* Renewal Kits → 2749RK-3/8 P304

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

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

3749S

Reversible Ratchet Short
Llave de Carraca Reversible Corta

S.O.D.H-System Two-Step Dog 24

* Renewal Kits → 3749RK P304

3749SB

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

S.O.D.H-System Two-Step Dog 24 Quick Release

* Renewal Kits → 3749BRK P304

	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

S.O.D.H-System Two-Step Dog 24

* Renewal Kits → 3749RK P304

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

3752N Reversible Ratchet / Llave de Carraca Reversible

L/R Marking 45

* Renewal Kits → 3752RK ➡P305

3752J Reversible Ratchet / Llave de Carraca Reversible

L/R Marking 45

* Renewal Kits → 3752RK ➡P305

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

3776N Swivel Head Ratchet / Llave de Carraca de Cabeza Giratoria

Swivel Head L/R Marking 45

* Renewal Kits → 3752RK ➡P305

3776P Swivel Head Ratchet / Llave de Carraca de Cabeza Giratoria

Swivel Head L/R Marking 45

* Renewal Kits → 3752RK ➡P305

3776J Swivel Head Ratchet / Llave de Carraca de Cabeza Giratoria

Swivel Head L/R Marking 45

* Renewal Kits → 3752RK ➡P305

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

3753SM

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

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 3753RK ➔P304

	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

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 3753RK ➔P304

3753P

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 3753RK ➔P304

3753J

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 3753RK ➔P304

D3753J

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 3753RK ➔P304

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

3753P-250

Reversible Ratchet Long
Llave de Carraca Reversible Larga ⚠

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 3753RK ➔P304

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

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

3753SMB

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

* Renewal Kits → **3753BRK** ➡P304

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

3753NB

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

* Renewal Kits → **3753BRK** ➡P304

3753PB

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

* Renewal Kits → **3753BRK** ➡P304

3753JB

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

* Renewal Kits → **3753BRK** ➡P304

	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.

2774PS-3/8

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | 24 | Flexible Head

* Renewal Kits → 2749RK-3/8 P304

2774JS-3/8

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | 24 | Flexible Head

* Renewal Kits → 2749RK-3/8 P304

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

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

3774PS

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | Two-Step Dog | 24 | Flexible Head

* Renewal Kits → 3753RK P304

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

3774N

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

OVAL SHAPE SHANK

S.O.D.H-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 3753RK P304

3774P

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 3753RK P304

3774J

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 3753RK P304

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

3774P-SR Speeder Ratchet

* Renewal Kits → 3753RK ➡P304

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

3774NB

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

OVAL SHAPE SHANK

* Renewal Kits → 3753BRK ➡P304

3774PB

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

* Renewal Kits → 3753BRK ➡P304

3774JB

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

* Renewal Kits → 3753BRK ➡P304

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

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

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

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

3774NL

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

OVAL SHAPE SHANK

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 3753RK P304

3774PL

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

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 3753RK P304

3774JL

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

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → 3753RK P304

3774JBL ⚠

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

OVAL SHAPE SHANK

S.O.D.H.-System | Two-Step Dog | 24 | Quick Release | Flexible Head | OVAL Shank

* Renewal Kits → 3753BRK P304

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

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

3755 Ratchet Adaptor
Adaptador de carraca

45

* Renewal Kits → 3755RK P306

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

3756 Quick Spinner
Disco de Giro Rápido

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

3757 Ratchet Wheel
Rueda de carraca

L/R Marking 45

* Renewal Kits → 3752RK P305

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

3762 Flexible Extension Bar
Alargadera Flexible

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

3760 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

Wobble-Fix

WOBBLE-FIX EXTENSION BAR

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

PK3763/6 Set Juego

PK3763/6	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.

RENEWAL KIT FOR HINGE HANDLE

OVAL SHAPE SHANK

OVAL Shank

3768N-175

Hinge Handle
Mango Articulado

* Renewal Kits → 3768RK ➡P306

OVAL Shank

3768N-250

Hinge Handle
Mango Articulado

* Renewal Kits → 3768RK ➡P306

OVAL Shank

3768P-250

Hinge Handle
Mango Articulado

* Renewal Kits → 3768RK ➡P306

OVAL Shank

3768J-250

Hinge Handle
Mango Articulado

* Renewal Kits → 3768RK ➡P306

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

OVAL Shank

3768N-300

Hinge Handle
Mango Articulado ⚠

* Renewal Kits → 3768RK ➡P306

* Renewal Kits → 3768RK ➡P306

3768P-380

Hinge Handle
Mango Articulado ⚠

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

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

3769N-160 · -230

Spin Type Handle
Mango Tipo Destornillador

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

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

WOBBLE-FIX EXTENSION BAR

3769NWF-160 · -230

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

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

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

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

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

3769H

Folding Socket Driver
Llave de Vaso Plegable

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

3770

Universal Joint
Articulación Universal

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

3771

Universal Joint
Articulación Universal

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

UNIVERSAL JOINT

3780 Speed Handle / Manivela Rápida

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

3785 T-Handle / Mango Corredizo

OVAL SHAPE SHANK

OVAL Shank

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

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

3322A Adaptor / Adaptador

Warranty 86Nm / Garantía 86Nm

	凹 (sq)	凸 (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.

3344A Adaptor / Adaptador

PK2346/6 Set / Juego

PK2346/6	6 Pieces Set/=460g
PLASTIC TRAY	
Adaptors	
1/4"凹→3/8"凸 2233A	3/8"凹→1/4"凸 3322A
3/8"凹→1/2"凸 3344A	1/2"凹→3/8"凸 4433A-35
1/2"凹→3/4"凸 4466A	3/4"凹→1/2"凸 6644A

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

Hand Sockets 3/8”

3200M · 3200A

Socket Sets
Juegos 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

Socket Set
Juego de Vasos

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**
3405W 12-pt. Sockets 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	**3760-125**
	3760-250
	3768N-250
	3769N-160
	3770
	3780
	3785
	3344A

3206M

Socket Set
Juego de Vasos

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

Socket Set
Juego de Vasos

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

Socket Set
Juego de Vasos

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**
3300C Spark Plug Socket 20.8	**3760-250**
	3768N-250
	3770

3210M
Socket Set
Juego de Vasos

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**
3405M 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22	**3760-125**
	3760-250
	3768N-250
	3770
	3785

3215M · 3215A
Socket Sets
Juegos de Vasos

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
Socket Set
Juego de Vasos

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
Socket Set
Juego de Vasos

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
Socket Set
Juego de Vasos

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
Socket Set
Juego de Vasos

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

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Hand Sockets 3/8”

3240M-00 / 3240M-05

Display Stands
Expositores

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

DISPLAY STAND:W410×H160×T500mm

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

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

Display Stands
Expositores

S3240M-00 / S3240M-05	3400M 177 Pieces Set/⚖=10,300g 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 / S3240A-05	3400A 126 Pieces Set/⚖=8,500g 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 **3405M** 12-pt. Sockets 13, 14, 17, 19, 22	**3753P** **3760-75** **3760-125** **3770**

P3262M-6P

Socket Set
Juego de Vasos

P3262M-6P	11 Pieces Set/⚖=1,140g

PLASTIC CASE:W245×H120×T45mm

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

3275 Socket Set
Juego de Vasos

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 Bit Socket Set
Juego de Vasos con Punta

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 Socket Set
Juego de Vasos

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

3279AM Socket Set
Juego de Vasos

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

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4400M

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

4405M

12-point Sockets
Vasos Bihexagonales

4400M 4405M (mm)	D1 (mm)	D2 (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
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

4400A 4405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10.7	21	6	36	41	10
5/16	13.2	21	8	36	44	10
3/8	14.6	21	9	37	45	10
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
19/32	21.5	22	11.5	37	57	10
5/8	22.8	22	12	37	62	10
21/32	24	23	12.5	37	69	10
11/16	25	24	13	37	74	10
3/4	26.5	25	14	38	89	10
25/32	27.8	26	15	38	92	10
13/16	29	27	15.5	38	102	10
7/8	30	28	16	40	113	10
15/16	32.8	30	17	42	140	5
31/32	34	31	18	42	165	5
1	35	32	19	42	165	5
1. 1/16	36.5	33	19.5	43	180	5
1. 1/8	39	35	20.5	43	210	5
1. 3/16	40	36	22	46	222	5
1. 1/4	42.8	38	23	46	261	5
1. 5/16	44.2	39	24	47	275	5
1. 3/8	46.2	40	24	47	317	5
1. 7/16	47.2	41	24	47	336	5
1. 1/2	49.2	43	24	47	380	5

4400A

6-point Sockets
Vasos Hexagonales

4405A

12-point Sockets
Vasos Bihexagonales

RS4400A/10	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

RS4400A/10
RS4405A/10

Socket Set on Rail
Juego de Vasos en Regleta

4400W 4405W (W)	D1 (mm)	D2 (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

4400W

6-point Whitworth Sockets
Vasos Whitworth Hexagonales

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

4405W

12-point Whitworth Sockets
Vasos Whitworth Bihexagonales

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

RS4400W/8

Socket Set on Rail
Juego de Vasos en Regleta

RS4405W/8

Socket Set on Rail
Juego de Vasos en Regleta

BS W

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

4410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

SURFACE DRIVE

4410M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

4425-N

TORX® Sockets
Vasos TORX®

4425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10N	13.2	21	8.2	36	47	10
E12N	14.6	21	9.3	37	48	10
E14N	16.5	21	10.6	37	50	10
E16N	19	22	11.8	37	60	10
E18N	20.3	22	13	37	60	10
E20N	22.8	22	14.4	37	65	10

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

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

RS4425/6-N

Socket Set on Rail
Juego de Vasos en Regleta

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

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4425 (EPL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10EPL	13.2	21	6.2	36	45	10
12EPL	14.6	21	7.2	37	47	10
14EPL	16.5	21	8.1	37	49	10
16EPL	19	22	9.2	37	60	10
18EPL	20.3	22	10.2	37	60	10
20EPL	22.9	22	11.2	37	65	10

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

4425-EPL

TORXPLUS® Sockets
Vasos TORXPLUS®

RS4425/6-EPL

Socket Set on Rail
Juego de Vasos en Regleta

TORX PLUS
EP/EPL-style

TORX
E-style

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 (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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

4450M

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

RS4450M/10

Socket Set on Rail
Juego de Vasos en Regleta

4400LH

LHS Sockets
Vasos LHS

RS4400LH/6

Socket Set on Rail
Juego de Vasos en Regleta

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LMstix® is a registered trademark of **OSG CORPORATION** System Engineering Department.
LMstix® es una marca registrada de **OSG CORPORATION** System Engineering Department.

4300M · 4300A

6-point Deep Sockets
Vasos Hexagonales Largos

FLAT DRIVE®

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	5

RS4300M/10
RS4305M/10

Socket Set on Rail
Juego de Vasos en Regleta

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

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

RS4300A/10
RS4305A/10

Socket Set on Rail
Juego de Vasos en Regleta

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

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

4300M (L120)

6-point Extra Deep Sockets
Vasos Hexagonales Extra Largos

4300M(L120) (mm)	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

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

4310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

SURFACE DRIVE

RS4310M/10

Socket Set on Rail
Juego de Vasos en Regleta

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

4325

TORX® Deep Sockets
Vasos TORX® Largos

4325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

Socket Set on Rail
Juego de Vasos en Regleta

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

4325 (L140)

TORX® Extra Deep Sockets
Vasos TORX® Extra Largos

4325(L140) (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 8	10.7	21	7	122	140	110	5
E10	13.2	21	8.2	122	140	140	5
E12	14.6	21	9.3	122	140	160	5
E14	16.5	21	10.6	122	140	180	5

4325 (L140)-2B

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

4325(L140) (2B)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 8(2B)	10.7	21	7	122	140	110	5
E10(2B)	13.2	21	8.2	122	140	140	5
E12(2B)	14.6	21	9.3	122	140	160	5
E14(2B)	16.5	21	10.6	122	140	180	5

NUT GRIP®

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

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

NUT GRIP®

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4440M · 4440A

6-point Universal Sockets
Vasos Hexagonales con Articulación Universal

4440A (inch)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	**3/8**	14.8	25	8.8	63	155	10
New	**7/16**	16.5	25	10	65	158	10
New	**1/2**	19	25	11.4	66	152	10
New	**9/16**	20.3	25	11.4	66	151	10
New	**5/8**	22.8	25	13	68	150	10
New	**11/16**	24.6	25	14	69	153	10

	4445M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	**10**	15.3	25	8.8	63	155	10
New	**12**	17.8	25	10.5	65	151	10
New	**13**	19	25	11.4	66	152	10
New	**14**	20.3	25	11.4	66	151	10
New	**17**	24	25	14	69	150	10
New	**19**	26.5	25	15	71	170	10
New	**21**	29	25	16	72	176	5
New	**22**	30.3	25	16	72	185	5

4440T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal

4440T (E)	D1 (mm)	D2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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

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4000-60 (PH)

Phillips Bit Sockets
Vasos con Punta Phillips

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

4000-60 (PZ)

PZ Bit Sockets
Vasos con Punta PZ

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

4005-60

Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas

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

4001

Phillips Bit Sockets
Vasos con Punta Phillips

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

4006

Slotted Bit Sockets
Vasos con Punta Recta para Cabezas Ranuradas

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

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

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

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

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

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

RS4010M/10-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	27	17.9	20	60	215	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

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

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

XZN

XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S_1	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S_2	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

RS4020/6-L60

Socket Set on Rail
Juego de Vasos en Regleta

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

	Phillips (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

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
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S_2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

4025-60-T35

Bit Socket
Vasos con Punta

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

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

4025-60 · -100 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

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

RS4025/9-IP

Socket Set on Rail
Juego de Vasos en Regleta

TORXPLUS® (IP)

IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S_2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1

4027-60 · -100 · -140

Bit Sockets for Ribe Screws
Vasos con Punta para Tornillos Ribe

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

RS4027/6-L60

Socket Set on Rail
Juego de Vasos en Regleta

Ribe CV

CV		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
W	(ref. mm)	1.2	1.3	1.4	1.8	2.0	2.3	2.6	3.1	3.2	3.6
S_1	(ref. mm)	5.0	6.0	7.0	8.0	9.0	10.0	12.0	13.0	14.0	16.0
S_2	(ref. mm)	3.8	4.5	5.0	6.0	7.1	7.4	9.0	11.0	10.4	11.9

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4012M-43 · -60 · -75 · -100

Inhex Sockets
Vasos con Punta de Hexagonal

4012M.43 (mm)	D (mm)	H1 (mm)	H2 (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.60 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	21.1	15.5	38	60	49	10
5	21.1	15.5	38	60	55	10
6	21.1	15.5	38	60	56	10
7	21.1	15.5	38	60	60	10
8	21.1	15.5	38	60	64	10
9	21.1	15.5	38	60	78	10
10	23	15.5	38	60	78	10
11	25	15.5	38	60	100	10
12	25	15.5	38	60	107	10
13	25	15.5	38	60	111	10
14	25	15.5	38	60	122	10
15	26	15.5	38	60	125	10
16	26	15.5	38	60	134	10
17	26	15.5	38	60	141	10
18	26	15.5	38	60	153	10
19	26	15.5	38	60	159	10
21	26	15.5	38	60	197	10
22	26	22.5	38	60	205	10
23	28	22.5	38	60	242	10
24	28	22.5	38	60	245	10

4012M.75 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	21.1	15.5	53	75	52	10
5	21.1	15.5	53	75	58	10
6	21.1	15.5	53	75	62	10
7	21.1	15.5	53	75	70	10
8	21.1	15.5	53	75	74	10
9	21.1	15.5	53	75	88	10
10	23	15.5	53	75	94	10
11	25	15.5	53	75	119	10
12	25	15.5	53	75	122	10
13	25	15.5	53	75	137	10
14	25	15.5	53	75	148	10
15	26	15.5	53	75	151	10
16	26	15.5	53	75	171	10
17	26	15.5	53	75	184	10
18	26	15.5	53	75	196	10
19	26	15.5	53	75	212	10
22	26	22.5	53	75	266	10
24	27.9	22.5	53	75	315	10

4012M.100 (mm)	D (mm)	H1 (mm)	H2 (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)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/32	21.1	11.5	23	43	40	10
3/16	21.1	11.5	23	43	46	10
7/32	21.1	11.5	23	43	42	10
1/4	21.1	11.5	23	43	43	10
9/32	21.1	11.5	23	43	46	10
5/16	21.1	11.5	23	43	49	10
11/32	21.1	11.5	23	43	63	10
3/8	23	11.5	23	43	59	10
7/16	25	11.5	23	43	74	10
1/2	25	11.5	23	43	85	10
9/16	25	11.5	23	43	88	10
5/8	26	11.5	23	43	100	10
3/4	26	11.5	23	43	110	10
7/8	26	11.5	23	43	141	10

4012A.60 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/32	21.1	15.5	38	60	49	10
3/16	21.1	15.5	38	60	55	10
7/32	21.1	15.5	38	60	56	10
1/4	21.1	15.5	38	60	57	10
9/32	21.1	15.5	38	60	60	10
5/16	21.1	15.5	38	60	64	10
11/32	21.1	15.5	38	60	78	10
3/8	23	15.5	38	60	74	10
7/16	25	15.5	38	60	100	10
1/2	25	15.5	38	60	111	10
9/16	25	15.5	38	60	122	10
5/8	26	15.5	38	60	134	10
3/4	26	15.5	38	60	159	10
7/8	26	22.5	38	60	202	10

4012A.75 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/32	21.1	15.5	53	75	52	10
3/16	21.1	15.5	53	75	58	10
7/32	21.1	15.5	53	75	62	10
1/4	21.1	15.5	53	75	65	10
9/32	21.1	15.5	53	75	70	10
5/16	21.1	15.5	53	75	74	10
11/32	21.1	15.5	53	75	88	10
3/8	23	15.5	53	75	86	10
7/16	25	15.5	53	75	119	10
1/2	25	15.5	53	75	137	10
9/16	25	15.5	53	75	148	10
5/8	26	15.5	53	75	171	10
3/4	26	15.5	53	75	212	10
7/8	26	22.5	53	75	262	10

4012A.100 (inch)	D (mm)	H1 (mm)	H2 (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

Socket Set on Rail
Juego de Vasos en Regleta

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

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

3749S-1/2

Reversible Ratchet Short
Llave de Carraca Reversible Corta

RATCHET HANDLE

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 3749SRK-1/2 P304

3749SB-1/2

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

S.O.D.H-System | Two-Step Dog | 24 | Quick Release

* Renewal Kits → 3749SBRK-1/2 P304

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

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

4749N-250

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 4749RK P304

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

4749N-380

Reversible Ratchet Long
Llave de Carraca Reversible Larga

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 4749RK P304

4749J-380

Reversible Ratchet Long
Llave de Carraca Reversible Larga

S.O.D.H-System | Two-Step Dog | 24

* Renewal Kits → 4749RK P304

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

[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.

4750N

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → **4750RK** ➔P304

4750P

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → **4750RK** ➔P304

4750J

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → **4750RK** ➔P304

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

4750NB

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

* Renewal Kits → **4750BRK** ➔P304

4750PB

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

* Renewal Kits → **4750BRK** ➔P304

4750JB

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

* Renewal Kits → **4750BRK** ➔P304

	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.

4752N

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4752RK P305

4752J

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4752RK P305

[L/R Marking]

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

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

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

4753N

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4753RK P304

4753P

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4753RK P304

4753J

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4753RK P304

D4753J

Reversible Ratchet
Llave de Carraca Reversible

* Renewal Kits → 4753RK P304

	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 P304

	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.

4753NB

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

* Renewal Kits → 4753BRK ➔P304

4753PB

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

* Renewal Kits → 4753BRK ➔P304

4753JB

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

* Renewal Kits → 4753BRK ➔P304

	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

4774N

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

OVAL SHAPE SHANK

* Renewal Kits → **4753RK** ➔P304

4774P

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → **4753RK** ➔P304

4774J

Flexible Ratchet, Reversible
Llave de Carraca Flexible, Reversible

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → **4753RK** ➔P304

	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 ⚠

S.O.D.H.-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

* Renewal Kits → **4753RK** ➔P304

	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.

* Renewal Kits→4753BRK P304

4774NB

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

OVAL SHAPE SHANK

* Renewal Kits→4753BRK P304

4774PB

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

* Renewal Kits→4753BRK P304

4774JB

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

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

RENEWAL KIT FOR HINGE HANDLE

OVAL SHAPE SHANK

4768N-300

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➡P306

OVAL Shank

4768N-380 · -450 ⚠

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➡P306

OVAL Shank

4768P-380 · -450 ⚠

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➡P306

OVAL Shank

4768J-380 · -450 ⚠

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➡P306

OVAL Shank

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

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

4768N-600 ⚠

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➡P306

4768P-600 ⚠

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➡P306

4768J-600 ⚠

Hinge Handle
Mango Articulado

* Renewal Kits → 4768RK ➡P306

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

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

4781N-450

Flexible Speed Handle
Manivela Rápida Flexible

* Renewal Kits → 4768RK ➔P306

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

4755

Ratchet Adaptor
Adaptador de carraca

45

* Renewal Kits → 4755RK ➔P306

	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

UNIVERSAL JOINT

4771

Universal Joint
Articulación Universal

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

4760 Extension Bars Alargaderas

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

PK4760/5 Set Juego

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

Wobble-Fix

WOBBLE-FIX EXTENSION BAR

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 it's specific design with a reduced square drive. Make sure to use it correctly.

PK4763/5 Set Juego

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

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

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

4780-400 Speed Handle Manivela Rápida

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

OVAL SHAPE SHANK

OVAL Shank

4785 T-Handle Mango Corredizo

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

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

OVAL Shank

4747 L-Handle Mango Acodado

	L_1 (mm)	L_2 (mm)	(g)	(pce.)
4747	260	50	470	1

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

4788	L_1 (mm)	L_2 (mm)	(g)	(pcs.)
250	250	53	417	2
300	300	53	503	1
450	450	53	745	1

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

4433A Adaptors Adaptadores

Warranty 290Nm
Garantia 290Nm

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.

4466A Adaptor Adaptador

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

4222M

Socket Set
Juego de Vasos

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

4223M

Socket Set
Juego de Vasos

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

4227M

Bit Socket Set
Juego de Vasos con Punta

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

4230M · 4230A

Socket Sets
Juegos de Vasos

4230M	17 Pieces Set/=3,150g
METAL CASE:W395×H90×T50mm	
Sockets	Accessories
4405M 12-pt. Sockets 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 23, 26	**4753N** **4760-125** **4768N-380** **4710**

4230A	17 Pieces Set/=3,150g
METAL CASE:W395×H90×T50mm	
Sockets	Accessories
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1	**4753N** **4760-125** **4768N-380** **4710**

4232M

Socket Set
Juego de Vasos

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**

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

Display Stands
Expositores

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

DISPLAY STAND:W410×H160×T500mm

Sockets (2pcs.each)
10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 23, 24, 27, 30, 32

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

DISPLAY STAND:W410×H160×T500mm

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

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

Display Stands
Expositores

S4240M-00	4400M 117 Pieces Set/=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

Socket Set
Juego de Vasos

4238AM	38 Pieces Set/⚖=8,050g
METAL CASE:W446×H266×T50mm	
Sockets	**Accessories**
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	**4753N**
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	**4760-125**
4300C Spark Plug Socket 20.8	**4760-250**
	4770
	4780
	4785

4241M

Socket Set
Juego de Vasos

4241M	28 Pieces Set/⚖=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/⚖=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/⚖=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/⚖=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

4248M

Socket Set
Juego de Vasos

4248M	24 Pieces Set/⚖=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

Socket Set
Juego de Vasos

4250M	18 Pieces Set/⚖=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 · 4251A

Socket Sets
Juegos de Vasos

4251M	22 Pieces Set/⚖=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/⚖=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 · 4252A

Socket Sets
Juegos de Vasos

4252M	13 Pieces Set/⚖=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/⚖=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

Socket Set
Juego de Vasos

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

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4261M

Socket Set
Juego de Vasos

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

4263M

Socket Set
Juego de Vasos

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

4273AM

Socket Set
Juego de Vasos

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

P4241M-00
P4241M-05

Socket Sets
Juegos de Vasos

P4241M-00	28 Pieces Set/=6,400g
PLASTIC CASE:W425×H332×T65mm	
Sockets	**Accessories**
4400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	**4753J** **4760-125** **4760-250** **4768J-380** **4770** **4785**

P4241M-05	28 Pieces Set/=6,400g
PLASTIC CASE:W425×H332×T65mm	
Sockets	**Accessories**
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	**4753J** **4760-125** **4760-250** **4768J-380** **4770** **4785**

4275 Socket Set / Juego de Vasos

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**
4300C Spark Plug Sockets 16, 20.8	**4760-125**
4300M Wheel Nut Sockets 17(L60), 19(L60), 21(L60)	**4760-250**
	4768N-380
	4770
	4785

4276 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**
4025.60 TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50, T55, T60	**4763-125**

4277 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**
4305M 12-pt. Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	**4760-125**
	4768N-380

4279AM 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**
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	**4760-125**
	4760-250
	4770
	4785

4289M 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

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6400M · 6400A

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

6400M 6405M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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

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6300M · 6300A

6-point Deep Sockets
Vasos Hexagonales Largos

6300M 6305M (mm)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (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)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (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

Inhex Sockets
Vasos con Punta Hexagonal

6012M.75 (mm)	D (mm)	H₁ (mm)	H₂ (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

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

Reversible Ratchet
Llave de Carraca Reversible

S.O.D.H.-System | Two-Step Dog | 36

* Renewal Kits → 6749RK ➔P304

RATCHET HANDLE

	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
New 6749-HEAD	68	49.6	29.6	165	1730	1
New PIPE-400	–	–	–	400	1110	1
New 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

60

* Renewal Kits → 6752RK ➔P305

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

6755 Ratchet Adaptor
Adaptador de carraca

60

* Renewal Kits → 6755RK P306

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

6760 Extension Bars
Alargaderas

6760	D (mm)	L (mm)	(g)	(pcs.)
75	35	75	335	10
100	35	100	434	10
125	35	125	528	10
150	35	150	624	2
200	35	200	815	1
300	35	300	1203	1
400	35	400	1585	1

6768 Hinge Handle Mango Articulado

* Renewal Kits → 6768RK ➔P306

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

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

* Renewal Kits → 6768RK ➔P306

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

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

6785 T-Handle Mango Corredizo

OVAL Shank

OVAL SHAPE SHANK

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

6788 L-Handle Mango Acodado

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

6770 Universal Joint / Articulación Universal

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

6644A Adaptor / Adaptador — Warranty 668Nm / 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.

6201M · 6201A

Socket Sets
Juegos de Vasos

6201M — 16 Pieces Set/⚖⚖=17,300g

METAL CASE:W580×H200×T85mm

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

6201A — 18 Pieces Set/⚖⚖=17,600g

METAL CASE:W580×H200×T85mm

Sockets	Accessories
6405A 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.7/16, 1.1/2, 1.5/8, 1.11/16, 1.13/16, 1.7/8, 2	**6749** **6760-200** **6760-400** **6768** **6785**

6212M · 6212A

Socket Sets
Juegos de Vasos

6212M — 12 Pieces Set/⚖⚖=11,000g

METAL CASE:W580×H124×T70mm

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

6212A — 12 Pieces Set/⚖⚖=11,000g

METAL CASE:W580×H124×T70mm

Sockets	Accessories
6405A 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.3/16, 1.1/4, 1.7/16, 1.5/8, 1.13/16, 2	**6749** **6760-200** **6785**

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

6260M・6260A

Socket Sets
Juegos de Vasos

6260M 20 Pieces Set/=15,800g

METAL CASE:W580×H200×T85mm

Sockets	Accessories
6405M 12-pt. Sockets 21, 23, 26, 29, 31, 32, 34, 35, 36, 38, 41, 46, 50	**6749**
6101 Drag Link Socket	**6760-75**
	6760-200
	6760-400
	6770
	6785

6260A 25 Pieces Set/=19,000g

METAL CASE:W580×H200×T85mm

Sockets	Accessories
6405A 12-pt. Sockets 15/16, 31/32, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2, 1.9/16, 1.5/8, 1.11/16, 1.3/4, 1.13/16, 1.7/8, 2	**6749**
6101 Drag Link Socket	**6760-75**
	6760-200
	6760-400
	6770
	6785

6268M

Socket Sets
Juegos de Vasos

6268M 15 Pieces Set/=12,500g

METAL CASE:W580×H124×T70mm

Sockets	Accessories
6405M 12-pt. Sockets 19, 22, 24, 27, 29, 30, 32, 36, 38, 41, 46, 50	**6749**
	6760-200
	6768

8400M · 8400A

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

8400M 8405M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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

Inhex Sockets
Vasos con Punta de Hexagonal

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

8760

Extension Bars
Alargaderas

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

8770

Universal Joint
Articulación Universal

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

8866A

Adaptor Warranty 1850Nm
Adaptador Garantía 1850Nm

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

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

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

8749 Reversible Ratchet / Llave de Carraca Reversible
8749-1000 ⚠
8749-HEAD
PIPE-580 · -800

S.O.D.H.-System | Two-Step Dog | 36 | RATCHET HANDLE

* Renewal Kits → **8749RK** ➡P304

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

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

8768 Hinge Handle / Mango Articulado
8768-1000 ⚠
8768-HEAD
PIPE-400 · -800

* Renewal Kits → **8768RK** ➡P306

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

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

8785 T-Handle / Mango Corredizo
8785-700 ⚠

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

⚠ 8785-700 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

8788 L-Handle / Mango Acodado

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

8200M · 8200A

Socket Sets
Juegos de Vasos

8200M — 12 Pieces Set/⚖=18,600g

METAL CASE:W600×H150×T110mm

Sockets	Accessories
8405M 12-pt. Sockets 35, 38, 41, 46, 50, 54, 58, 63	**8760-200** **8760-400** **8770** **8785**

8200A — 12 Pieces Set/⚖=18,600g

METAL CASE:W600×H150×T110mm

Sockets	Accessories
8405A 12-pt. Sockets 1.7/16, 1.1/2, 1.5/8, 1.13/16, 2, 2.1/8, 2.1/4, 2.1/2	**8760-200** **8760-400** **8770** **8785**

8225M

Socket Set
Juego de Vasos

8225M — 15 Pieces Set/⚖=27,000g

METAL CASE:W620×H217×T97mm

Sockets	Accessories
8405M 12-pt. Sockets 32, 33, 36, 41, 46, 50, 55, 60, 65, 70, 75, 80	**8749** **8760-200** **8760-400**

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

Titanium Sockets

TI4261M

Socket Set Titanium
Juego de Vasos de Titanio

Pentagon Drive

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

Screw and Stud Pullers
Extractores de Espárragos y Tornillos

STUD BOLT PULLER

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

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

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

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

* Renewal Kits → **4100MRK/4100ARK** ➡P307

⚠ 4100M-16 and 4100A-5/8 do not have 1/2" square drive.
Drive the outer hexagon part with 27mm sockets or ring wrenches.

4100M-16 y 4100A-5/8 no tienen conductores cuadrados de 1/2"
Apretar la parte hexagonal exterior con vasos de 27mm o llaves de tuerca.

Tolerance/Tolerancia

4100M (mm)		4100A (inch)	
5	4.7- 5	**1/4**	6 - 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 · 4211A

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

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

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

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

6100M

Screw and Stud Pullers
Extractores de Tornillos y Espárragos

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

* Renewal Kits → **6100MRK** ➡P307

⚠ 6100M-22 to -30 do not have 3/4" square drive.
Drive the outer hexagon part with sockets or ring wrenches
(size 22-24mm = 36H, 27-30mm = 46H).

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

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 · 14100A

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

14100M (mm)	◻	D_1 (mm)	D_2 (mm)	L (mm)	⚖ (g)	(pcs.)	
6	1/2"	24	25	48	126	10	*1
7		24	25	48	126	10	*1
8		24	25	48	122	10	*1
9		28	30	48	181	10	*2
10		28	30	48	181	10	*2
12		28	30	48	175	10	*2

14100A (inch)	◻	D_1 (mm)	D_2 (mm)	L (mm)	⚖ (g)	(pcs.)	
1/4	1/2"	24	25	48	126	10	*1
5/16		24	25	48	122	10	*1
3/8		28	30	48	181	10	*2
7/16		28	30	48	181	10	*2
1/2		28	30	48	180	10	*2

*1 C-Ring=1401C,Pin/O-Ring=1401A/B
*2 C-Ring=1402C,Pin/O-Ring=1402A/B ➡P254-255

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		

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

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

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

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

Screw and Stud Puller
Extractor de Tornillos y Espárragos

		Tolerance		D (mm)	L (mm)	(g)	(pcs.)
		min	max				
4104	1/2"	ϕ6	ϕ19	54	56	489	2

4103M

Stud Bolt Setters
Vasos para apretar pernos

4103M (mm)	◻	D1 (mm)	D2 (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
4203MF

Stud Bolt Setters Set
Juego de Vasos para apretar Pernos

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

Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto

13103M (mm)	◻	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B ➔P254-255

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

14103M

Impact Stud Bolt Setters
Vasos para apretar Pernos de Impacto

14103M (mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)	(!)
6(1.0)	1/2"	12	25	11	42	75	10	*1
7(1.0)		13.2	25	12	42	78	10	*1
8(1.25)		14.5	25	15	42	81	10	*1
10(1.25)		17	25	18	49	106	10	*1
10(1.5)		17	25	18	49	106	10	*1
12(1.25)		19.5	25	19	49	107	10	*1
12(1.75)		19.5	25	19	49	107	10	*1
14(1.5)		22	25	21	55	128	10	*1
14(2.0)		22	25	21	55	128	10	*1

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

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

2127

NUTTWISTER®
AFLOJA TUERCAS

NUTTWISTER®

2127 (mm)	⧄	D1 (mm)	D2 (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)	⧄	D1 (mm)	D2 (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

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

3128.80 (mm)	⊡	D1 (mm)	D2 (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

NUTTWISTER®
AFLOJA TUERCAS

4127 (mm)	⊡	D1 (mm)	D2 (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

Socket Set on Rail
Juego de Vasos en Regleta

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

4128-120

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

4128.120 (mm)	⊡	D1 (mm)	D2 (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.

3129-32

BOLTTWISTER®
AFLOJA PERNOS

BOLTTWISTER®

3129.32 (mm)	⊿	D1 (mm)	D2 (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)	⊿	D1 (mm)	D2 (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

BOLTTWISTER®
AFLOJA PERNOS

4129.37 (mm)	⧄	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)
8	1/2"	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

Socket Set on Rail
Juego de Vasos en Regleta

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

4129-75

BOLTTWISTER®
AFLOJA PERNOS

4129.75 (mm)	⧄	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)
8	1/2"	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

Socket Set on Rail
Juego de Vasos en Regleta

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

156M

6-point Deep Hexagonal Larga

156M (mm)	D (mm)	H_1 (mm)	H_2 (mm)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
8	12	9	41	355	200	231	1
10	14.5	11	41	355	200	289	1
12	16.8	13	41	355	200	429	1
14	20	16	41	355	200	454	1

104M · 104A

6-point Hexagonal

104M (mm)	D (mm)	H (mm)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
6	9.5	8	200	180	150	1
7	11	9	200	180	152	1
8	12	10	250	200	183	1
9	14	12	250	200	188	1
10	14	13	250	200	230	1
11	16	14	250	200	234	1
12	18	15	250	250	384	1
13	18.5	17	300	250	412	1
14	20	18	300	250	428	1
15	21	19	300	250	443	1
16	22.5	21	350	300	528	1
17	24	22	350	300	707	1
18	25	23	350	300	707	1
19	26.5	25	350	300	717	1
21	29	27	350	300	1070	1
22	30	28	350	300	1062	1
24	33	30	350	300	1140	1

104A (inch)	D (mm)	H (mm)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
1/4	9.5	8	200	180	150	1
5/16	12	10	250	200	183	1
3/8	14	12	250	200	188	1
7/16	16	14	250	200	234	1
1/2	18.5	17	300	250	412	1
9/16	20	18	300	250	428	1
5/8	22.5	21	350	300	528	1
3/4	26.5	25	350	300	717	1

3116M

Universal with 6-point Socket
Con articulación universal con Vaso Hexagonal

3116M (mm)	D (mm)	H (mm)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
10	14.5	8	800	190	796	1
12	17	10.3	800	190	797	1
13	18	11.3	800	190	797	1
14	19.5	11.3	800	190	797	1
15	21	12.8	800	190	799	1
16	22	12.8	800	190	806	1
17	23.6	13.8	800	190	801	1
18	24	13.8	800	190	809	1

124M-600 (2B)

Ball Joint plus Nut Grip Socket
Con articulación de rótula y Vaso Sujeta Tuerca

124M.600 (mm)	D (mm)	H (mm)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
8(2B)	12	5	600	200	332	1
10(2B)	14.5	6	600	200	334	1
12(2B)	16.8	7	600	200	424	1
13(2B)	18	8	600	200	425	1
14(2B)	19.5	8.5	600	200	527	1
17(2B)	23.3	9.5	600	200	538	1

NUT GRIP®

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.

157H

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

157H (mm)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
3	160	100	57	1
4	200	120	70	1
5	250	160	90	1
6	300	190	147	1
7	300	190	193	1
8	300	190	245	1
10	300	190	433	1
12	320	210	662	1
14	340	220	879	1
17	340	220	1369	1

157T (T)

For TORX® Screws
Para Tornillos TORX®

157T (T)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
T25	250	180	95	1
T27	250	180	96	1
T30	250	180	167	1
T40	250	180	168	1
T45	250	180	213	1
T50	250	180	215	1

157P

For Phillips Screws
Para Tornillos Phillips

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

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2715
T-Handle
Llaves en T

3715
T-Handle
Llaves en T

3715S
T-Handle
Llaves en T

3715SL
T-Handle
Llaves en T

Wobble-Fix

3716
T-Handle
Llaves en T

WOBBLE-FIX EXTENSION BAR

OVAL Shank

3715SLK
T-Handle
Llaves en T

OVAL SHAPE SHANK

Photo: 3715SLK

	⬚	L1 (mm)	L2 (mm)	⚖ (g)	(pce.)
2715	1/4"	200	120	130	1

	⬚	L1 (mm)	L2 (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 extention bars.

4715

T-Handle
Llaves en T

4715S

T-Handle
Llaves en T

4715SL

T-Handle
Llaves en T

	⊿	L1 (mm)	L2 (mm)	⚖ (g)	(pce.)
4715	1/2"	267	255	475	1
4715S		267	170	402	1
4715SL		250	250	640	1

4711X

Spinning Cross Wrench

FREE-TURN CROSS WRENCH

OVAL Shank

	⊿	L1 (mm)	L2 (mm)	L3 (mm)	⚖ (g)	(pce.)
4711X	1/2"	140	280	350	945	1

	3131E	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
New	☐2.1× ø2.8	3/8"	6.8	18	40	45	10
New	☐2.7× ø3.5		8	18	40	46	10
New	☐3.4× ø4.5		9.5	18	40	47	10
New	☐4.9× ø6		11.5	18	40	48	10
New	☐6.5× ø7		12.5	18	40	49	10
New	☐7 × ø9		15	18	40	48	10
New	☐9 ×ø11		17	18	40	48	10
New	☐9 ×ø12		18	18	40	48	10

For DIN352, DIN351, DIN2181, DIN5157 tap

New 3264 — 10 Pieces Set/=1,050g

METAL CASE:W240×H100×T32mm

Sockets	Accessories
3131E ☐2.1×ø2.8, ☐2.7×ø3.5, ☐3.4×ø4.5, ☐4.9×ø6, ☐6.5×ø7, ☐7×ø9, ☐9×ø11, ☐9×ø12,	**160K** **3760-125**

3131A	☐	S(mm) Min.	S(mm) Max.	L (mm)	(g)	(pcs.)
1	3/8"	2.0	5.0	42	80	5
2		4.5	8.0	47	100	5

Tap is not included.

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

	☐	D (mm)	H1 (mm)	H2 (mm)	d (mm)	A (mm)	L (mm)	(g)	(pcs.)
3132-20	3/8"	28	7	17	8	45	60	130	5
4132-25		34	9	22	14	40	60	170	2
4132-38	1/2"	48	13	24	18	60	80	315	2
4132-50		60	16	27	30	85	105	740	2

Die is not included.

TAP HOLDER

3131E
Tap Holder
Adaptadores para machos de terrajas

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

3131A
Tap Holder, Adjustable
Adaptadores para machos de terrajas

160K
Handle
Llave

3132
4132
Die Holders
Adaptadores

102NM · 102NA

Without Reverse Lever
Sin palanca de inversión

102NM (mm)	L (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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

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103KM · 103KA
103KA.BH

Reversible
Reversible

Reversible(12P)
Reversible(12P)

103KM (mm)	L (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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

Reversible TORX®
Reversible TORX®

103KT (E)	L (mm)	D1 (mm)	D2 (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

Reversible
Reversible

R810 (inch)	L (mm)	D1 (mm)	D2 (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

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

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137

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

	L (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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

Bit Set
Juego de Puntas

R810A	5 Pieces Set/⚖=208g
METAL CASE:W130×H65×T20mm	
Bits	Accessory
101P Phillips Bits 1, 2, 3	**102NA-1/4×5/16**
101S Slotted Bit 1×7	

R810B

Bit Set
Juego de Puntas

R810B	10 Pieces Set/⚖=268g
METAL CASE:W130×H65×T20mm	
Bits	Accessory
101P Phillips Bits 1, 2, 3	**102NA-1/4×5/16**
101S Slotted Bit 1×7	
128H Hex Bits 3, 4, 5, 6, 8	

R810C

Bit and Socket Set
Juego de Puntas y Vasos

R810C	12 Pieces Set/⚖=227g
METAL CASE:W130×H65×T20mm	
Bits,Sockets	Accessories
101P Phillips Bits 1, 2, 3	**102NA-1/4×5/16**
101S Slotted Bit 1×7	**101A**
2400M Sockets 5, 6, 7, 8, 9, 10	

R810D

Bit and Socket Set
Juego de Puntas y Vasos

R810D	17 Pieces Set/⚖=336g
METAL CASE:W130×H65×T20mm	
Bits,Sockets	Accessories
101P Phillips Bits 1, 2, 3	**102NA-1/4×5/16**
101S Slotted Bit 1×7	**101A**
128H Hex Bits 3, 4, 5, 6, 8	
2400M Sockets 5, 6, 7, 8, 9, 10	

R810E

Socket Set
Juego de Vasos

R810E	9 Pieces Set/⚖=445g
METAL CASE:W130×H65×T20mm	
Sockets	Accessories
2300M Deep Sockets 6, 7, 8, 9, 10, 11, 12	**102NA-1/4×5/16**
	101A

101P

Phillips Bits
Puntas Phillips

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

101S

Bits for Slotted Head
Puntas Rectas/Planas

101S	D (mm)	L (mm)	(g)	(pcs.)
1.0×7	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-Registant 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.

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128H

Hex Bits
Puntas Hexagonales

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

TORX® Bits
Puntas TORX®

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

Adaptor
Adaptador

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

1202

Bit Set
Juego de Puntas

1202 — 15 Pieces Set/=420g

METAL CASE:W190×H60×T30mm

Bits	Accessory
101P Phillips Bits 1, 2, 3	**138**
101S Slotted Bit 1×7	
101B Ballpoint Hex Bits 3, 4, 5, 6	
101T Torx® Bits T10, T15, T20, T25, T27, T30	

2254M

Bit Set
Juego de Puntas

2254M — 12 Pieces Set/=450g

METAL CASE:W160×H100×T28mm

Bits	Accessories
101P Phillips 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

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3112N

Attack Driver
Destornillador de Impacto

ATTACK DRIVER®

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

* Renewal Kits → **3112RK** ➔P306

3112G

Attack Driver
Destornillador de Impacto

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

* Renewal Kits → **4112RK** ➔P306

4112N

Attack Driver
Destornillador de Impacto

	⬚	L (mm)	⚖ (g)	👜 (pce.)
6112	3/4"	190	1900	1

* Renewal Kits → **6112RK** ➔P306

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 Phillips 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 Phillips 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 Phillips 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 Phillips 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 Phillips 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 Phillips Bits 2, 3	**4112G**
100P.32 PZ Bits PZ2, PZ3	**4138**
100S.32 Slotted Bits 9, 11	
100H.32 Hex Bits 4, 5, 6, 7, 8, 10	
100T.32 TORX® Bits T25, T27, T30, T40, T45, T50	
100X.32 XZN Bits M5, M6, M8, M10, M12	

100P, S, H, T, X Bits ➔P166

AG112H	18 Pieces Set/⚖=1,480g
METAL CASE:W220×H82×T60mm	
Bits	**Accessories**
100P.32 Phillips Bits 2, 3, 4	**4112G**
100S.32 Slotted Bits 8, 9, 10, 12, 14	**4138**
100H.32 Hex Bits 5, 6, 8, 10	
100T.32 TORX® Bits T30, T40, T45, T50	

100P, S, H, T Bits ➔P166

AN318A
AN112A

Attack Driver Set
Juego de Destornilladores de Impacto

AG318A
AG112A

Attack Driver Set
Juego de Destornilladores de Impacto

AN112C

Attack Driver Set
Juego de Destornilladores de Impacto

AG112F

Attack Driver Set
Juego de Destornilladores de Impacto

AG112H

Attack Driver Set
Juego de Destornilladores de Impacto

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108P-25 · -32 · -50

Phillips Bits
Puntas Phillips

108P.25 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10

108P.32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	32	7	10
2	6.35	32	7	10
3	6.35	32	8	10

108P.50 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	50	10	10
2	6.35	50	11	10
3	6.35	50	11	10

108S-25 · -39

Bits for Slotted head
Puntas Rectas/Planas

108S.25	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

Hex Bits
Puntas Hexagonales

108H.25 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10

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

108T-25 (T)

TORX® Bits
Puntas TORX®

108T.25 (T)	D (mm)	L (mm)	(g)	(pcs.)
T 8	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	4	10
T20	6.35	25	5	10
T25	6.35	25	6	10
T27	6.35	25	6	10
T30	6.35	25	6	10
T40	6.35	25	6	10

108T-25 (TH)

Tamper-Registant TORX® Bits
Punta TORX®, indeformable

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

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

108A

Adaptor
Adaptador

108A.25	D (mm)	L (mm)	(g)	(pcs.)
1/4B	6.35	25	10	10

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2137 Bit Holder / Porta-punta

3137 Bit Holder / Porta-punta

4137 Bit Holder / Porta-punta

		D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)
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

12139 Impact Bit Holder / Porta-punta de Impacto

13139 Impact Bit Holder / Porta-punta de Impacto

14139 Impact Bit Holder / Porta-punta de Impacto

		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=1200A/B
*2 C-Ring=1301C,Pin/O-Ring=1301A/B
*3 C-Ring=1401C,Pin/O-Ring=1401A/B
➡P254-255

13142-D6.3 / 14142-D6.3 Impact Bit Holder for 1/4" (6.3) Bits / Porta-punta de Impacto para Puntas 1/4" (6.3)

		D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

*1 C-Ring=1301C,Pin/O-Ring=1301A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B
➡P254-255

Lock & Quick Release

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

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"

	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749P-1/4HF	25	12	125	96	10
2774P-1/4HF	25	12	165	133	2

5/16”

100P-32 · -80 · -125

Phillips Bits
Puntas Phillips

100P.32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

100P.80 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	80	30	10
2	8	80	30	10
3	8	80	31	10
4	8	80	32	10

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

100P-32 (PZ)

PZ Bits
Puntas PZ

100P.32 (PZ)	D (mm)	L (mm)	(g)	(pcs.)
PZ2	8	32	10	10
PZ3	8	32	11	10

100S-32 · -80

Bits for Slotted Head
Puntas Rectas/Planas

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

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

100H-32

Hex Bits
Puntas Hexagonales

100H.32 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
7	8	32	13	10
8	8	32	13	10
9	8	32	16	10
10	8	32	16	10
11	8	32	20	10
12	8	32	23	10
14	8	32	29	10

100T-32 (T)

TORX® Bits
Puntas TORX®

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

100T-32 (TH)

Tamper-Registant TORX® Bits
Punta TORX®, indeformable

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

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)

XZN Bits
Puntas XZN

100X.32 (XZN)	D (mm)	L (mm)	(g)	(pcs.)
M 5	8	32	10	10
M 6	8	32	11	10
M 8	8	32	12	10
M10	8	32	16	10
M12	8	32	19	10

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2138 Bit Holder / Porta-punta

3138 Bit Holder / Porta-punta

4138 Bit Holder / Porta-punta

	⧄	D1 (mm)	D2 (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

	⧄	D1 (mm)	D2 (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=1200A/B
*2 C-Ring=1301C,Pin/O-Ring=1301A/B
*3 C-Ring=1401C,Pin/O-Ring=1401A/B
➡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

Phillips Bits
Puntas Phillips

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

121P.70 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	70	15	10
2	6.35	5.5	70	15	10
3	6.35	–	70	16	10

121P.100 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	100	23	10
2	6.35	5.5	100	23	10
3	6.35	–	100	24	10

121P.150 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	150	30	10
2	6.35	5.5	150	35	10
3	6.35	–	150	36	10

121H-50 · -70 · -100 · -150

Hex Bits
Puntas Hexagonales

121H.50 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
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

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121T-70 · -100 (TH)

Tamper-Registant TORX® Bits
Punta TORX®, indeformable

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 · -70 (IP)

TORXPLUS® Bits
Putas TORXPLUS®

TORXplus®

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

13137H

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

		D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
12137E	1/4"	12	13	36	22	10	*1
13137H	3/8"	13	19	42	77	10	*2
13137E		12	19	40	40	10	*2
14137E	1/2"	12	25	48	70	10	*3

*1 Pin/O-Ring=1200A/B
*2 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P254-255
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

12137E
13137E
14137E

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

		D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
12142-F6.3	1/4"	16.5	13	36	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3

*1 Pin/O-Ring=1200A/B
*2 C-Ring=1301C, Pin/O-Ring=1301A/B ➡P254-255
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

12142-F6.3
13142-F6.3
14142-F6.3

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

Lock & Quick Release

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

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123PT-75 · -100

Double Ended Torsion Bits
Puntas Phillips, 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
123PG-75 · -100

Double Ended Bits
Puntas Phillips, simétricas
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

Phillips Bit

113-50

Nut Setters
Vasos para apretar tuercas Hexagonales

113.50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	31	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10

113.50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(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)

Nut Setters, TORX®
Vasos para apretar tuercas, TORX®

113.50 (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10

113-50 (2B)

Nut Setters Nut Grip®
Vasos para apretar tuercas con 2 bolas

NUT GRIP®

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

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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.150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10

113UN.200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	200	75	10
10	15	8	200	87	10
12	17	10	200	98	10
13	18	10	200	116	10
14	19.2	10	200	116	10

115G-75 · -100 · -150 · -200 · -250

Nut Setters with sliding Magnet
Vasos para tuercas con Imán Corredizo

SLIDE MAGNET

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 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10

183H.35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

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

183H.150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	–	118	10
12	150	–	136	10

183T-35 · -75 · -150 (T)

TORX® Bits
Puntas TORX®

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

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

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

183T-35 · -75 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®

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

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183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN

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

183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

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

13134 ○
14134 ○
16134 ○

Impact Bit Holder
Porta-punta de Impacto

	◻	D (mm)	L (mm)	(g)	(pcs.)	
13134	3/8"	22	32	70	10	*1
14134	1/2"	25	38	90	10	*2
16134	3/4"	44	52	200	2	*3

*1 C-Ring=1302C,Pin/O-Ring=1302A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B
*3 C-Ring=1600C,Pin/O-Ring=1601A/B

➡P254-255

Replacement Screw : M8×5, ⬢ 4mm

For
DIN3126 / ISO1173 E11.2 Bits

F11.2

13142-F11.2 ○
14142-F11.2 ○

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

	◻	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	3/8"	18.9	22	46	116	10	*1
14142-F11.2	1/2"	18.9	25	46	207	10	*2

*1 C-Ring=1302C,Pin/O-Ring=1302A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B

➡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.

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

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®**

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

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

166P 166S

Screwdrivers (Blade-Through type)
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 168S

Screwdrivers
Destornilladores

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

168PS/6

Set
Juego

PK168PS/6

Set
Juego

168CS

Interchangeable Screwdrivers, Stubby

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

168C

Interchangeable Screwdrivers

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

2769N-150 · -220

Spin Type Handle
Mango Tipo Destornillador

2769N	⬚	H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	68	2
220		120	220	100	2

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

2769NWF-150 · -220

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

Wobble-Fix

WOBBLE-FIX EXTENSION BAR

2769NWF	⬚	H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	68	2
220		120	220	100	2

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

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

3769N-160 · -230

Spin Type Handle
Mango Tipo Destornillador

3769N	⬚	H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	96	2
230		120	230	126	2

3769NWF-160 · -230

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

Wobble-Fix

WOBBLE-FIX EXTENSION BAR

3769NWF	⬚	H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	96	2
230		120	230	126	2

Impact Sockets

1/4”

3/8”

1/2”

5/8”

3/4”

1”

1-1/2”

2-1/2”

3-1/2”

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	TORX®	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		215 215 215	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		215	15555AL		219	16666AL		228

Impact Sockets		Square Drive			
		1"(25.4mm)SQ.	1.1/2"(38.1mm)SQ.	2.1/2"(63.5mm)SQ.	3.1/2"(88.9mm)SQ.
		No. / Page	No. / Page	No. / Page	No. / Page
Standard Sockets	6-point	18400M mm 230 18400A inch 230	17400M mm 240 17400A inch 240	19400M mm 244 19400A inch 244	10400M mm 246 10400A inch 246
	6-point (Thin-walled)	18401M mm 231 18401A inch 231			
	6-point (with Magnet)				
	12-point	18405M mm 231 18405A inch 231	17405M mm 241 17405A inch 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 mm 233 18300A inch 233	17300M mm 241 17300A inch 241	19300M mm 245	
	6-point (Thin-walled)	18301M mm 234 18301A inch 234			
	6-point (with Slide Magnet)				
	12-point				
	12-point (Thin-walled)				
	Surface	18310M mm 234			
	PATHFINDER®				
	TORX® (E)				
Extension Sockets	6-point	18104M mm 232			
	6-point (with Magnet)				
	12-point				
Universal Sockets	6-point				
	6-point (Extension)				
	TORX® (E)				
Bit Sockets	Hexagon				
	TORX® (T)				
Bit Sockets (Bit changeable)	Hexagon	18106-16 mm 235 18107-22 mm 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 238 18771 238	17770 243	19770 245	
Adaptors		18866A 239 18877A 239	17788A 243 17799A 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 Bihex.

12400M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1200A/B ➡P255

12400MG · 12400AG

6-point Sockets with Magnet
Vasos Hexagonales con Imán

12400MG (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1200A/B ➡P255

12410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

SURFACE DRIVE

SURFACE DRIVE

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

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

12410M (mm)	D1 (mm)	D2 (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=1200A/B ➡P255

12465M

Pathfinder Sockets
Vasos Pathfinder (Guía)

12465M (mm)	D1 (mm)	D2 (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=1200A/B ➡P255

PATHFINDER®

12425

TORX® Sockets
Vasos TORX®

12425 (E)	D1 (mm)	D2 (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=1200A/B ➡P255

TORX® (E)

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

12460M · 12460A

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

12460M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

12460A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

*1 Pin/O-Ring=1200A/B ➡P255

12460MG · 12460AG

With Magnet for Self-Tapping Screws
Con Imán para Tornillos Autorroscantes

12460MG (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
12	17.9	13	8	30	41	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

12460AG (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	2.4	23	16	10	*1
5/16	12.8	13	3.5	25	18	10	*1
3/8	15.3	13	4.2	28	20	10	*1
7/16	16.6	13	4.9	29	27	10	*1
1/2	19.1	13	6	30	23	10	*1

*1 Pin/O-Ring=1200A/B ➡P255

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

12300M

6-point Sockets, Deep
Vasos Hexagonales Largos

FLAT DRIVE®

12300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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=1200A/B ➡P255

12365M

Pathfinder Sockets, Deep
Vasos Pathfinder (Guía) Largos

PATHFINDER®

12365M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

*1 Pin/O-Ring=1200A/B ➡P255

12300G

Impact Socket with Sliding Magnet
Vasos de Impacto con Imán Corredizo

SLIDE MAGNET

12300G (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

*1 Pin/O-Ring=1200A/B ➡P255

12760

Extension Bars
Alargaderas

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

*1 Pin/O-Ring=1200A/B ➡P255

12222AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida) ⚠

LOCKING ADAPTOR

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

*1 Pin/O-Ring=1200A/B ➡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=1200A/B ➡P255

12233A

Adaptor
Adaptador

	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pcs.)	
12233A	1/4"	3/8"	22	15	10	*1
12233A-B	1/4"	3/8"	22	15	10	*1
12233A-P	1/4"	3/8"	22	15	10	*1

*1 Pin/O-Ring=1200A/B ➡P255

P-type B-type

DIN 3121 Form E

FLAT DRIVE®

13400M · 13400A

6-point Sockets
Vasos Hexagonales

13400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
20	28.3	22	12	32	70	10	*2
21	29.5	22	12	32	71	10	*2
22	30.8	22	13	32	72	10	*2
23	32	22	13	32	75	10	*2
24	33.3	22	13	32	78	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P254-255

13400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P254-255

13405M · 13405A

12-point Sockets
Vasos Bihexagonales

13405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P254-255

13405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P254-255

13400MG · 13400AG

6-point Sockets with Magnet
Vasos Hexagonales con Imán

13400MG (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	2.4	32	46	10	*1
7	12	19	2.8	32	45	10	*1
8	13.3	19	3.5	32	45	10	*1
9	14.5	19	3.8	32	44	10	*1
10	15.8	19	4.2	32	49	10	*1
11	17	19	4.9	32	50	10	*1
12	18.3	19	5.6	32	55	10	*1
13	19.5	22	6	32	70	10	*2
14	20.8	22	6.4	32	76	10	*2
15	22	22	6.8	32	76	10	*2
16	23.3	22	7	32	88	10	*2
17	24.5	22	7.5	32	95	10	*2
18	25.8	22	7.8	32	105	10	*2
19	27	22	8	32	116	10	*2
21	29.5	22	8	32	125	10	*2
22	30.8	22	9.5	32	135	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P254-255

13400AG (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	2.4	32	46	10	*1
5/16	13.3	19	3.5	32	45	10	*1
11/32	14.5	19	3.8	32	44	10	*1
3/8	15.8	19	4.2	32	49	10	*1
7/16	17	19	4.9	32	50	10	*1
1/2	19.5	22	6	32	70	10	*2
9/16	20.8	22	6.4	32	76	10	*2
5/8	23.3	22	7	32	88	10	*2
11/16	24.5	22	7.5	32	95	10	*2
3/4	27	22	8	32	116	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P254-255

13401M · 13401A

6-point Socket, Thin Walled
Vasos Hexagonales de Pared Delgada

thin

13401A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13401M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

RS13401M/9

Socket Set on Rail
Juego de Vasos en Regleta

thin

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

thin

13406A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13406M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13401MS

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

thin

13401MS (mm)	D1 (mm)	D2 (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
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

RS13401MS/5

Socket Set on Rail
Juego de Vasos en Regleta

thin

RS13401MS/5	5 Pieces Set/Rail 150mm	(g)
8, 10, 12, 13, 14		180

13410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

SURFACE DRIVE

13410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	42	10	*1
12	18.3	19	9	32	50	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
22	30.8	22	13	32	72	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13465M

Pathfinder Sockets
Vasos Pathfinder (Guía)

PATHFINDER®

13465M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	13	32	63	10	*2
19	27	22	13	32	66	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13425

TORX® Sockets
Vasos TORX®

13425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
E12	14.2	19	9.3	32	43	10	*1
E14	17.2	19	10.6	32	44	10	*1
E16	18.2	19	11.8	32	42	10	*1

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

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

13425-EPL

TORXPLUS® Sockets
Vasos TORXPLUS®

13425-EPL (EPL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8EPL	12	19	5.2	32	44	10	*1
10EPL	13.3	19	6.2	32	44	10	*1
New **12EPL**	15.8	19	7.2	32	44	10	*1
New **14EPL**	18.3	19	8.1	32	46	10	*1
New **16EPL**	19.5	19	9.2	32	41	10	*1

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

TORXplus® (EP/EPL)

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

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13460M · 13460A

For Self-Tapping Screws
Para Tornillos Autorroscantes

13460M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	5	32	43	10	*1
3/8	16.6	19	7	32	45	10	*1
1/2	20.3	22	10	32	60	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13460MG · 13460AG

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

13460MG (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13401LH

LHS Sockets
Vasos LHS

13401LH (LH-S)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5S	11	19	5	32	32	10	*1
6S	12.3	19	5.6	32	34	10	*1
8S	16	19	6.8	32	36	10	*1
10S	18.5	22	8	32	50	10	*2
12S	22.3	22	9.2	32	58	10	*2
14S	24.8	22	10.4	32	63	10	*2
16S	28.5	22	11.6	32	77	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡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

13400-WN

Weld Nut Sockets

13400-WN	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

WN

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

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13301X

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

FLAT DRIVE®

13301X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

RS13301X/9

Socket Set on Rail
Juego de Vasos en Regleta

RS13301X/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		710

13300XG

Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo

SLIDE MAGNET

13300XG (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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
New **16**	23.2	22	7.5	20	50	114	10	*2
New **17**	24.4	22	8	20	50	126	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13300M · 13300A

6-point Sockets, Deep
Vasos Hexagonales Largos

13300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	24.5	22	17	65.5	80	168	10	*2
3/4	27	22	19	64.5	80	192	10	*2
13/16	29.5	22	21	64.5	80	226	10	*2
7/8	30.8	22	22	63.5	80	231	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13301M · 13301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada

thin

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

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=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13305M

12-point Sockets, Deep
Vasos Bihexagonales Largos

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13306M

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

thin

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=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

13310M

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

SURFACE DRIVE

13310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	190	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P254-255

SLIDE MAGNET

13300G

Impact Sockets with Sliding Magnet
Vasos de Impacto con Imán Corredizo

13300G (mm)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
16	23.3	22	8	27	80	210	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P254-255

PATHFINDER®

13365M

Pathfinder Sockets deep
Vasos Pathfinder (Guía) Largos

13365M (mm)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P254-255

13325

TORX® Deep Sockets
Vasos TORX® Largos

13325 (E)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)	
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	80	10	*1
E10	12.2	19	8.2	66.5	80	85	10	*1
E12	14.2	19	9.3	66.5	80	90	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	110	10	*1

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

13440M · 13440A

Universal Sockets
Vasos con Articulación Universal

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=1302C, Pin/O-Ring=1302A/B ➔P254-255

13440T

TORX® Universal Sockets
Vasos TORX® con Articulación Universal

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=1302C, Pin/O-Ring=1302A/B ➔P254-255

13430M

Universal Inhex Sockets
Vasos Inhex con Articulación Universal

13430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5	24	15	74	120	10	*2
6	24	15	74	131	10	*2
8	24	20	74	136	10	*2
10	24	20	74	141	10	*2
17	24	7	53	150	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P254-255

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13012M-52

Inhex Sockets
Vasos con Punta Hexagonal

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=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➡P254-255

13025-50 · -90

TORX® Bit Sockets
Vasos con Punta TORX®

13025.50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	19	23.5	50	35	10	*1
T25	19	23.5	50	35	10	*1
T27	19	23.5	50	35	10	*1
T30	19	23.5	50	35	10	*1
T40	19	23.5	50	39	10	*1
T45	19	23.5	50	60	10	*1
T50	19	23.5	50	70	10	*1
T55	22	23.5	50	79	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➡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=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➡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

13134

Impact Bit Holder
Porta-punta de Impacto

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13134	22.5	22	32	70	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➡P254-255

Replacement Screw : M8×5, ⬢ 4mm

For
DIN3126 / ISO1173 E11.2 Bits

13142-F11.2

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=1302C, Pin/O-Ring=1302A/B ➡P254-255

For
DIN3126 / ISO1173 E11.2 Bits

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

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

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

183T.35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T.75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

183T-35 · -75 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®

TORXplus®

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183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN

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

183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

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

13134M-52 · -92

Hex Bit Sockets
Vasos con Punta Hexagonal

13134M-52/-92 (mm)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	
3	22	20.6	52	92	6	85	104	10	*2
4	22	20.6	52	92	6	85	105	10	*2
5	22	20.6	52	92	6.5	85	106	10	*2
6	22	20.6	52	92	7.5	88	109	10	*2
8	22	20.6	52	92	9.5	90	117	10	*2
10	22	20.6	52	92	–	96	127	10	*2
12	22	20.6	52	92	–	100	135	10	*2
14	22	20.6	52	92	–	105	149	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P254-255

13134T-52 · -92 (T)

TORX® Bit Sockets
Vasos con Punta TORX®

13134T-52/-92 (T)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	
T30	22	20.6	52	92	6	88	105	10	*2
T40	22	20.6	52	92	6.9	90	107	10	*2
T45	22	20.6	52	92	8	92	111	10	*2
T50	22	20.6	52	92	9	96	115	10	*2
T55	22	20.6	52	92	11.4	100	125	10	*2
T60	22	20.6	52	92	13.5	108	137	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P254-255

13134T-52 · -92 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

13134T-52/-92 (IP)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	
30IP	22	20.6	52	92	6	88	105	10	*2
40IP	22	20.6	52	92	6.8	90	107	10	*2
45IP	22	20.6	52	92	8	92	111	10	*2
50IP	22	20.6	52	92	9	96	115	10	*2
55IP	22	20.6	52	92	11.4	100	126	10	*2
60IP	22	20.6	52	92	13.5	108	139	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P254-255

13134X-52 · -92 (XZN)

XZN Bit Sockets
Vasos con Punta XZN

13134X-52/-92 (XZN)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	(pcs.)	
M 5	22	20.6	52	92	6	88	104	10	*2
M 6	22	20.6	52	92	6.2	90	106	10	*2
M 8	22	20.6	52	92	7.4	92	109	10	*2
M10	22	20.6	52	92	9.8	96	124	10	*2
M12	22	20.6	52	92	11.7	100	129	10	*2
M14	22	20.6	52	92	13.5	108	139	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P254-255

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13145M-100 · -150 · -200 · -250

Extra Long Sockets
Vasos Extra-Largos

13145M.100 (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B ➡P254-255

13145M.250 (mm)	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B ➡P254-255

13145MG-100 · -150 · -200

Extra Long Sockets with Magnet
Vasos Extra-Largos con Imán

13145MG.100 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B ➡P254-255

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

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

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

13145M.150 (12P) (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B ➡P254-255

13146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos Extra Largo con Articulación Universal

13146M.150 (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B ➔P254-255

13147M-150 · -200

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

13147M.150 (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B ➔P254-255

13760

Extension Bars
Alargaderas

13760	D (mm)	L (mm)	(g)	(pcs.)	
50	22	50	70	10	*2
75	22	75	95	10	*2
100	22	100	120	10	*2
125	22	125	141	5	*2
150	22	150	165	5	*2
200	22	200	210	5	*2
250	22	250	260	5	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➔P254-255

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

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

Lock & Quick Release

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

	L (mm)	(g)	(pcs.)	
13770	56	110	10	*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=1302C, Pin/O-Ring=1302A/B ➔P254-255

	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
New **13772-B**	22	19	75	120	5	*1
13772-P	22	19	75	120	5	*1

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

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

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13322A	3/8"	1/4"	27	25	10	*1
13322A-B	3/8"	1/4"	27	25	10	*1
13322A-P	3/8"	1/4"	27	25	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B ➔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.

	(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=1302C, Pin/O-Ring=1302A/B ➔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
Articulatión Universal

13771

Universal Joint
Articulatión 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

14400M · 14400A

6-point Sockets
Vasos Hexagonales

14400A (inch)	D1 (mm)	D2 (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=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

FLAT DRIVE®

14400M (mm)	D1 (mm)	D2 (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=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14405M · 14405A

12-point Sockets
Vasos Bihexagonales

14405A (inch)	D1 (mm)	D2 (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=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	84	10	*1
12	19.5	25	9	38	84	10	*1
13	20.7	25	10	38	84	10	*1
14	22	25	10	38	84	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	127	10	*2
17	25.7	30	12	38	128	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	132	10	*2
24	34.5	30	14	38	133	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	157	10	*2
28	39.5	30	16	40	170	10	*2
30	42	30	17	42	190	10	*2
32	44.5	30	18	42	216	10	*2
36	49.5	30	20	46	285	5	*2
41	55.7	30	21	55	411	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14401M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
35	46.7	29	19	46	250	5	*2
36	48	29	20	46	264	5	*2
38	50.5	29	20	53	316	5	*2
41	54.2	29	21	55	374	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➔P254-255

14401M · 14401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada

14401A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➔P254-255

RS14401M/10

Socket Set on Rail
Juego de Vasos en Regleta

RS14401M/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,010

14406M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➔P254-255

14406M · 14406A

12-point Sockets, Thin Walled
Vasos Bihexagonales de Pared Delgada

14406A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➔P254-255

14401MS

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

thin

	14401MS (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	10	15.5	24	4.5	23	41	10	*1
New	12	18	24	5.5	24	42	10	*1
New	13	19.2	24	6.5	25	43	10	*1
	14	20.5	24	6.5	25	43	10	*1
	17	24.2	29	7.5	26	76	10	*2
	19	26.7	29	9.5	28	79	10	*2
New	21	29.2	29	10	28.5	79	10	*2
	22	30.5	29	10	28.5	84	10	*2
	24	33	29	10	28.5	87	10	*2
New	27	36.7	29	10	28.5	100	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

RS14401MS/10

Socket Set on Rail
Juego de Vasos en Regleta

thin

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

14400MG

6-point Sockets with Magnet
Vasos Hexagonales con Imán

14400MG (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	8	38	165	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14410M

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

14410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	38	100	10	*1
11	18.2	25	8	38	103	10	*1
12	19.5	25	9	38	110	10	*1
13	20.7	25	10	38	113	10	*1
14	22	25	10	38	115	10	*1
15	23.2	30	11	38	120	10	*2
16	24.5	30	11	38	120	10	*2
17	25.7	30	12	38	126	10	*2
18	27	30	13	38	121	10	*2
19	28.2	30	13	38	124	10	*2
20	29.5	30	13	38	123	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
24	34.5	30	14	38	134	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
34	47	30	19	46	263	5	*2
36	49.5	30	20	46	263	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

PATHFINDER®

14465M

Pathfinder Sockets
Vasos Pathfinder (Guía)

14465M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P254-255

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

Double Square Sockets
Vasos Octagonales

14415M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	25.7	30	10	38	138	10	*1
15	27	30	11	38	145	10	*1
16	29.5	30	11	38	150	10	*1
17	30.7	30	12	38	155	10	*1
18	32	30	13	38	165	10	*1
19	33.2	30	14	38	170	10	*1
22	38.2	30	14	40	185	10	*1
24	42	30	14	42	215	10	*1
27	45.7	30	16	46	278	5	*1
28	47	30	16	46	285	5	*1
29	49.5	30	17	46	326	5	*2

*1 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P254-255

14425

TORX® Sockets
Vasos TORX®

14425 (E)	D1 (mm)	D2 (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=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P254-255

14425-EPL

TORXPLUS® Sockets
Vasos TORXPLUS®

14425-EPL (EPL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10EPL	14.5	25	6.2	38	86	10	*1
12EPL	17	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	20.7	25	9.1	38	88	10	*1
18EPL	22	25	10.2	40	90	10	*1
20EPL	24.5	30	11.2	42	135	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P254-255

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

14400-WN

Weld Nut Sockets

14400-WN	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8WN	18.3	25	8	38	93	10	*1
9WN	19.5	25	9	38	93	10	*1
10WN	20.8	25	10	38	92	10	*1
12WN	24.5	30	12	38	139	10	*2
14WN	27	30	14	38	136	10	*2
17WN	32	30	17	40	150	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡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)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6S	13	25	5.6	38	65	10	*1
8S	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
14S	25.5	30	10.4	38	121	10	*2
16S	29.2	30	11.6	38	128	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡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 Madianos de pared Delgada

thin

14301X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	42	60	72	10	*1
9	14.2	24	9	42	60	75	10	*1
10	15.5	24	10	42	60	79	10	*1
11	16.7	24	11	42	60	82	10	*1
12	18	24	12	42	60	88	10	*1
13	19.2	24	13	42	60	92	10	*1
14	20.5	24	14	42	60	97	10	*1
15	21.7	29	15	42	60	125	10	*2
16	23	29	16	42	60	135	10	*2
17	24.2	29	17	42	60	142	10	*2
18	25.5	29	18	42	60	148	10	*2
19	26.7	29	19	41	60	151	10	*2
21	29.2	29	21	41	60	170	10	*2
22	30.5	29	22	45	65	187	10	*2
23	31.7	29	23	45	65	192	10	*2
24	33	29	24	45	65	202	10	*2
25	34.2	29	25	44	65	210	10	*2
26	35.5	29	26	44	65	218	10	*2
27	36.7	29	27	44	65	231	10	*2
30	40.5	29	30	44	65	268	10	*2
32	43	29	32	44	65	296	10	*2
33	44.2	29	33	44	65	318	2	*2
34	45.5	29	34	44	65	330	2	*2
36	48	29	36	44	65	350	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

RS14301X/10

Socket Set on Rail
Juego de Vasos en Regleta

thin

RS14301X/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,585

LHSTIX® is a registered trademark of **OSG CORPORATION** System Engineering Department.
LHSTIX® es una marca registrada de **OSG CORPORATION** System Engineering Department.

FLAT DRIVE®

14300M · 14300A

6-point Deep Sockets
Vasos Hexagonales Largos

14300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
9	15.7	25	9	62	80	138	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	240	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
25	35.7	30	25	65	85	345	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	28	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	457	10	*2
31	43.2	30	31	63	85	505	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
34	47	30	33	62	85	570	2	*2
35	48.2	30	35	62	85	600	2	*2
36	49.5	30	36	61	85	635	2	*2
38	52	30	38	60	85	655	2	*2
41	55.7	30	38	60	85	686	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	259	10	*2
13/16	30.7	30	21	61	80	265	10	*2
7/8	32	30	22	65	85	290	10	*2
15/16	34.5	30	24	65	85	329	10	*2
1	35.7	30	25	65	85	345	10	*2
1. 1/16	38.2	30	27	64	85	385	10	*2
1. 1/8	40.7	30	29	63	85	416	10	*2
1. 3/16	42	30	30	63	85	457	10	*2
1. 1/4	44.5	30	32	63	85	542	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14301M · 14301A

6-point Deep Sockets, Thin-walled
Vasos Hexagonales Largos de Pared Delgada

14301M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	87	10	*1
9	14.2	24	9	62	80	92	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
20	28	29	20	61	80	203	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
23	31.7	29	23	65	85	253	10	*2
24	33	29	24	65	85	261	10	*2
25	34.2	29	25	65	85	282	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
28	38	29	29	64	85	273	10	*2
29	39.2	29	29	63	85	280	10	*2
30	40.5	29	30	63	85	360	10	*2
31	41.7	29	31	63	85	370	10	*2
32	43	29	32	63	85	380	10	*2
34	45.5	29	34	62	85	411	2	*2
35	46.7	29	35	62	85	450	2	*2
36	48	29	36	61	85	460	2	*2
38	50.5	29	38	61	85	508	2	*2
41	54.2	29	38	60	85	552	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14301A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
3/8	15.5	24	10	62	80	98	10	*1
7/16	16.7	24	11	62	80	104	10	*1
1/2	19.2	24	13	62	80	120	10	*1
9/16	20.5	24	14	62	80	127	10	*1
5/8	23	29	16	62	80	173	10	*2
11/16	24.2	29	17	62	80	182	10	*2
3/4	26.7	29	19	61	80	197	10	*2
13/16	29.2	29	21	61	80	218	10	*2
7/8	30.5	29	22	65	85	244	10	*2
15/16	33	29	24	65	85	261	10	*2
1. 1/16	36.7	29	27	64	85	314	10	*2
1. 1/8	39.2	29	29	63	85	349	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14305M

12-point Deep Sockets
Vasos Bihexagonales Largos

14305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	259	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	30	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	457	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
36	49.5	30	36	61	85	635	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14306M

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

thin

14306M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	88	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	105	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
24	33	29	24	65	85	261	10	*2
26	35.5	29	26	64	85	290	10	*2
27	36.7	29	27	64	85	314	10	*2
30	40.5	29	30	63	85	360	10	*2
32	43	29	32	63	85	380	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

14310M

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

SURFACE DRIVE

14310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	252	10	*2
20	29.5	30	20	61	80	260	10	*2
21	30.7	30	21	61	80	260	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	322	10	*2
25	35.7	30	25	65	85	338	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	380	10	*2
28	39.5	30	28	64	85	390	10	*2
30	42	30	30	63	85	450	10	*2
32	44.5	30	32	63	85	535	10	*2
34	47	30	34	62	85	563	2	*2
36	49.5	30	36	61	85	630	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P254-255

SURFACE DRIVE

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

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

SLIDE MAGNET

14300G

Impact Socket with Sliding Magnet
Vasos de Impacto con Imán Corredizo

14300G (mm)	D_1 (mm)	D_2 (mm)	H_1 (mm)	H_2 (mm)t	L (mm)t	(g)	(pcs.)	
10	17	25	4.5	26	80	139	10	*1
12	19.5	25	6	26	80	165	10	*1
13	20.7	25	6.5	25	80	185	10	*1
14	22	25	7	24	80	189	10	*1
15	23.2	30	7	24	80	240	10	*2
16	24.5	30	7.5	26.5	80	270	10	*2
17	25.7	30	8	26.5	80	272	10	*2
18	27	30	8.5	26.5	80	290	10	*2
19	28.2	30	9	27.5	80	308	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

PATHFINDER®

14365M

Pathfinder Sockets, Deep
Vasos Pathfinder (Guía) Largos

14365M (mm)	D_1 (mm)	D_2 (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	62	80	138	10	*1
11	18.2	25	8	62	80	144	10	*1
12	19.5	25	9	62	80	165	10	*1
13	20.7	25	9	62	80	170	10	*1
14	22	25	11	62	80	178	10	*1
15	23.2	30	11	62	80	237	10	*2
16	24.5	30	11	62	80	245	10	*2
17	25.7	30	12	62	80	263	10	*2
18	27	30	13	62	80	268	10	*2
19	28.2	30	13	61	80	270	10	*2
20	29.5	30	14	61	80	274	10	*2
21	30.7	30	14	61	80	287	10	*2
22	32	30	15	65	85	314	10	*2
23	33.2	30	15	65	85	320	10	*2
24	34.5	30	15	65	85	335	10	*2
26	37	30	15	64	85	388	10	*2
27	38.2	30	16	64	85	407	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

14325

TORX® Deep Sockets
Vasos TORX® Largos

14325 (E)	D_1 (mm)	D_2 (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	62	80	136	10	*1
E12	15.2	25	9.3	62	80	141	10	*1
E14	18.2	25	10.6	62	80	147	10	*1
E16	19.2	25	11.8	62	80	151	10	*1
E18	22.2	25	13	62	80	218	10	*1
E20	24.2	30	14.4	62	80	225	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

14440M · 14440A

Universal Sockets
Vasos con Articulación Universal

14440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
13	20.7	6	67.5	210	10	*2
14	22	7	69.5	210	10	*2
15	23.2	7	69.5	210	10	*2
16	24.5	8	69.5	206	10	*2
17	25.7	8	69.5	220	10	*2
18	27	9	69.5	218	10	*2
19	28.2	10	73.5	260	10	*2
20	29.5	10	73.5	270	10	*2
21	30.7	11	73.5	280	10	*2
22	32	13	73.5	290	10	*2
24	34.5	14	73.5	300	10	*2

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

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

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14012M-60

Inhex Sockets
Vasos Inhex

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=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

RS14012M/10-L60

Socket Set on Rail
Juego de Vasos en Regleta

RS14012M/10-L60	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,300

14025-60 · -100

TORX® Bit Sockets
Vasos con Punta TORX®

14025.100 (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=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

RS14025/6-L60

Socket Set on Rail
Juego de Vasos en Regleta

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

14134

Impact Bit Holder
Porta-punta de Impacto

	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
14134	22.5	25	38	90	10	*1

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

Replacement Screw : M8×5, ⬢ 4mm

For
DIN3126 / ISO1173 E11.2 Bits

F11.2

14142-F11.2

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

	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
14142-F11.2	18.9	25	46	207	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔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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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
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 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T.75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

183T-35 · -75 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®

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183X-35 · -75 · -150 (XZN)

XZN Bits
Puntas XZN

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

183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

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

14134M-58 · -98

Hex Bit Sockets
Vasos con Punta Hexagonal

14134M-58/-98 (mm)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	
3	25	20.6	58	98	6	105	124	10	5	*1
4	25	20.6	58	98	6	105	125	10	5	*1
5	25	20.6	58	98	6.5	105	126	10	5	*1
6	25	20.6	58	98	7.5	108	129	10	5	*1
8	25	20.6	58	98	9.5	110	137	10	5	*1
10	25	20.6	58	98	–	116	147	10	5	*1
12	25	20.6	58	98	–	120	155	10	5	*1
14	25	20.6	58	98	–	125	169	10	5	*1

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

14134T-58 · -98 (T)

TORX® Bit Sockets
Vasos con Punta TORX®

14134T-58/-98 (T)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	
T30	25	20.6	58	98	6	108	125	10	5	*1
T40	25	20.6	58	98	6.9	110	127	10	5	*1
T45	25	20.6	58	98	8	112	131	10	5	*1
T50	25	20.6	58	98	9	116	135	10	5	*1
T55	25	20.6	58	98	11.4	120	145	10	5	*1
T60	25	20.6	58	98	13.5	128	157	10	5	*1

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

14134T-58 · -98 (IP)

TORXPLUS® Bit Sockets
Vasos con Punta TORXPLUS®

14134T-58/-98 (IP)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	
30IP	25	20.6	58	98	6	108	125	10	5	*1
40IP	25	20.6	58	98	6.8	110	127	10	5	*1
45IP	25	20.6	58	98	8	112	131	10	5	*1
50IP	25	20.6	58	98	9	116	135	10	5	*1
55IP	25	20.6	58	98	11.4	120	146	10	5	*1
60IP	25	20.6	58	98	13.5	128	159	10	5	*1

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

14134X-58 · -98 (XZN)

XZN Bit Sockets
Vasos con Punta XZN

14134X-58/-98 (XZN)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=58 (g)	L=98 (g)	L=58 (pcs.)	L=98 (pcs.)	
M 5	25	20.6	58	98	6	108	124	10	5	*1
M 6	25	20.6	58	98	6.2	110	126	10	5	*1
M 8	25	20.6	58	98	7.4	112	129	10	5	*1
M10	25	20.6	58	98	9.8	116	144	10	5	*1
M12	25	20.6	58	98	11.7	120	149	10	5	*1
M14	25	20.6	58	98	13.5	128	159	10	5	*1

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

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14106

Bit Holder for 107-16
Porta Punta

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14106	28	30	43	160	10	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

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

Bits for Inhex screws
Puntas para Tornillos Inhex

107.16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T55	100	11.4	108	10
T60	100	13.4	130	10
T70	100	15.7	159	10

107-16 (T)

TORX® Bits
Puntas TORX®

107.16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®

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

107-16 (XZN)

XZN Bits
Puntas XZN

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14145M-100 · -150 · 200 · -250

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

14145M.100 (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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.200 (mm)	D1 (mm)	D2 (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=1401C, Pin/O-Ring=1401A/B ➔P254-255

14145M.250 (mm)	D1 (mm)	D2 (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=1401C, Pin/O-Ring=1401A/B ➔P254-255

14146M-150 · -200 · -250

Extra Long Universal Sockets
Vasos con Articulación Universal Extra-Largos

14146M.150 (mm)	D1 (mm)	D2 (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.200 (mm)	D1 (mm)	D2 (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=1401C, Pin/O-Ring=1401A/B ➔P254-255

14146M.250 (mm)	D1 (mm)	D2 (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=1401C, Pin/O-Ring=1401A/B ➔P254-255

14147M-150 · -200

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

14147M.150 (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1401C, Pin/O-Ring=1401A/B ➔P254-255

14760 Extension Bars
Alargaderas

14760	D (mm)	L (mm)	(g)	(pcs.)	
50	30	50	150	10	*2
75	30	75	188	10	*2
100	30	100	240	10	*2
125	30	125	275	5	*2
150	30	150	300	5	*2
175	30	175	358	5	*2
200	30	200	405	5	*2
250	30	250	480	1	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

14444AL Adaptor (Quick Release)
Adaptador (Extracción Rápida)

LOCKING ADAPTOR

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

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

Lock & Quick Release

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

14770 Universal Joint
Articulación Universal

14771 Universal Joint
Articulación Universal

	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=1402C, Pin/O-Ring=1402A/B ➔P254-255

P-type B-type

DIN 3121 Form E

14772 Universal Double Joint
Articulación Universal

UNIVERSAL DOUBLE JOINT

	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
New **14772-B**	27	25	90	230	5	*1
14772-P	27	25	90	230	5	*1

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

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

14433A

Adaptor
Adaptador

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

Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.

P-type B-type

DIN 3121 Form E

14455A

Adaptor
Adaptador

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14455A	1/2"	5/8"	42	135	10	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

14466A

Adaptor
Adaptador

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466A	1/2"	3/4"	44	146	10	*2
14466A-B	1/2"	3/4"	44	146	10	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➔P254-255

14209M

Socket Set
Juego de Vasos

14209M	10 Pieces Set/=830g
METAL CASE: 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

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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:W310xH90xT48mm	
Sockets	Accessories
14400M 6-pt.Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	**14760-125** **14770** **1401A, 1402A** **1401B, 1402B**

14245M-12P	18 Pieces Set/⚖=2,250g
METAL CASE:W310×H90×T48mm	
Sockets	Accessories
14405M 12-pt. Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	**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
14241M-05
Socket Set
Juego de Vasos

14242M
Socket Set
Juego de Vasos

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

S14240M
Display Stand
Expositor

15400M

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

15400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	1	*1

*1 Pin/O-Ring=1500A/B ➡P255

15400A

6-point Sockets
Vasos Hexagonales

15400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
9/16	24	35	10	47.5	220	5	*1
5/8	26.5	35	11	47.5	225	5	*1
11/16	27.8	35	12	47.5	225	5	*1
3/4	30.3	35	13	47.5	225	5	*1
13/16	32.8	35	15	47.5	225	5	*1
7/8	34	35	15	47.5	225	5	*1
15/16	36.5	35	16	50.5	245	5	*1

*1 Pin/O-Ring=1500A/B ➡P255

15410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

SURFACE DRIVE

15410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

*1 Pin/O-Ring=1500A/B ➡P255

SURFACE DRIVE

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

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

15300M

6-point Deep Sockets
Vasos Hexagonales Largos

FLAT DRIVE®

15300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=1500A/B ➔P255

15310M

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

SURFACE DRIVE

15310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=1500A/B ➔P255

15555AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

LOCKING ADAPTOR

	L (mm)	(g)	(pce.)	
15555AL	70	310	1	*1

*1 Pin/O-Ring=1500A/B ➔P255

Lock & Quick Release

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

15770

Universal Joint
Articulación Universal

	L (mm)	(g)	(pce.)	
15770	88	420	1	*1

*1 Pin/O-Ring=1500A/B ➔P255

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=1500A/B ➔P255

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

15566A

Adaptor
Adaptador

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15566A	5/8"	3/4"	48	200	1	*1

*1 Pin/O-Ring=1500A/B ➔P255

16400M · 16400A

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

16400A (inch)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B
➡P254-255

16405M · 16405A

12-point Sockets
Vasos Bihexagonales

16405A (inch)	D1 (mm)	D2 (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)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
36	53.8	44	20	55	498	5	*1
38	56.3	44	20	57	558	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
46	66.3	44	23	62	755	2	*1
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
55	77.5	54	29	62	1056	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B
➡P254-255

16401M · 16401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada

16401M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	28	43	12	50	300	5	*1
18	29.3	43	13	50	300	5	*1
19	30.5	43	13	50	300	5	*1
20	31.8	43	14	50	302	5	*1
21	33	43	15	50	305	5	*1
22	34.3	43	15	50	310	5	*1
23	35.5	43	16	50	315	5	*1
24	36.8	43	16	50	325	5	*1
25	38	43	16	50	326	5	*1
26	39.3	43	16	50	330	5	*1
27	40.5	43	16	50	340	5	*1
28	41.8	43	16	50	345	5	*1
29	43	43	18	53	355	5	*1
30	44.3	43	18	53	365	5	*1
31	45.5	43	18	53	375	5	*1
32	46.8	43	19	53	385	5	*1
33	48	43	20	55	395	5	*1
34	49.3	43	20	55	420	5	*1
35	50.5	43	20	55	430	5	*1
36	51.8	43	20	55	440	5	*1
37	53	43	20	55	460	2	*1
38	54.3	43	20	57	472	2	*1
40	56.8	43	20	57	525	2	*1
41	58	43	22	57	555	2	*1
42	59.3	43	22	57	565	2	*1
43	60.5	43	23	62	662	2	*1
44	61.8	43	23	62	670	2	*1
45	63	43	23	62	700	2	*1
46	64.3	43	23	62	710	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16401A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	28	43	12	50	300	5	*1
3/4	30.5	43	13	50	300	5	*1
13/16	33	43	15	50	305	5	*1
7/8	34.3	43	15	50	310	5	*1
15/16	36.8	43	16	50	325	5	*1
1	38	43	16	50	326	5	*1
1. 1/16	40.5	43	16	50	340	5	*1
1. 1/8	43	43	18	53	355	5	*1
1. 3/16	44.3	43	18	53	365	5	*1
1. 1/4	46.8	43	19	53	385	5	*1
1. 5/16	49.3	30	20	55	437	5	*1
1. 3/8	50.5	43	20	55	430	5	*1
1. 7/16	53	43	20	55	460	2	*1
1. 1/2	54.3	43	20	57	472	2	*1
1. 9/16	56.8	43	20	57	525	2	*1
1. 5/8	58	43	22	57	555	2	*1
1.13/16	64.3	43	23	62	710	2	*1
1. 7/8	66.8	53	23	62	868	2	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

SURFACE DRIVE

16410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
24	38.8	44	16	50	370	5	*1
27	42.5	44	16	50	375	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
36	53.8	44	20	55	498	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16425

TORX® Sockets
Vasos TORX®

16425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1
New **E30**	38.8	44	25.2	60	480	5	*1
New **E32**	41.3	44	25.2	60	480	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

TORX® (E)

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

16425-EPL

TORXPLUS® Sockets
Vasos TORXPLUS®

TORXplus®

16425-EPL (EPL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	55	427	5	*1
32EPL	40	44	16.1	62	488	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

TORXplus® (EP/EPL)

EP/EPL		8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S1	(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
S2	(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

thin

16301X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
17	28	43	17	49	75	370	2	*1
18	29.3	43	18	49	75	380	2	*1
19	30.5	43	19	49	75	393	2	*1
20	31.8	43	20	49	75	400	2	*1
21	33	43	21	49	75	408	2	*1
22	34.3	43	22	49	75	418	2	*1
23	35.5	43	23	49	75	425	2	*1
24	36.8	43	24	49	75	435	2	*1
25	38	43	25	49	75	449	2	*1
26	39.3	43	26	49	75	455	2	*1
27	40.5	43	27	48	75	464	2	*1
28	41.8	43	28	48	75	479	2	*1
29	43	43	29	48	75	489	2	*1
30	44.3	43	30	48	75	506	2	*1
31	45.5	43	31	47	75	518	2	*1
32	46.8	43	32	47	75	535	2	*1
33	48	43	33	47	75	548	2	*1
35	50.5	43	35	46	75	585	2	*1
36	51.8	43	36	46	75	603	2	*1
37	53	43	37	46	75	645	2	*1
38	54.3	43	38	50	80	691	2	*1
40	56.8	43	38	50	80	725	2	*1
41	58	43	38	49	80	755	2	*1
46	64.3	43	38	48	80	808	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

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

16300M · 16300A

6-point Sockets, Deep
Vasos Hexagonales Largos

FLAT DRIVE®

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
46	66.3	44	38	68	100	1305	2	*1
48	68.8	54	38	68	100	1480	2	*2
50	71.3	54	61	–	100	1469	2	*2
55	77.5	54	59	–	100	1620	2	*2
60	83.8	54	56	–	100	1835	2	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B
➔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=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B
➔P254-255

16301M · 16301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Pared Delgada

thin

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=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B
➔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=1600C, Pin/O-Ring=1601A/B
➔P254-255

16305M

12-point Sockets, Deep
Vasos Bihexagonales Largos

16305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	26.3	44	14	74	100	500	2	*1
16	28.8	44	16	74	100	522	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	600	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	715	2	*1
26	41.3	44	26	74	100	760	2	*1
27	42.5	44	27	73	100	765	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
38	56.3	44	38	70	100	990	2	*1
41	60	44	38	69	100	1120	2	*1
46	66.3	44	38	68	100	1305	2	*1
50	71.3	54	61	–	100	1469	2	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B ➡P254-255

16310M

Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos

SURFACE DRIVE

16310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
24	38.8	44	24	74	100	705	2	*1
27	42.5	44	27	73	100	710	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
36	53.8	44	34	71	100	960	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16325

TORX® Deep Sockets
Vasos TORX® Largos

	16325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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
New	**E26**	35	44	18.8	74	100	660	2	*1
New	**E28**	36.3	44	25.2	74	100	670	2	*1
New	**E30**	38.8	44	25.2	75	100	730	2	*1
New	**E32**	41.3	44	25.2	75	100	777	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

TORX® (E)

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

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16106-16

Hex Bit Sockets
Vasos con Punta Hexagonal

16106.16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	44	24	76	416	2	*1
12	44	24	76	422	2	*1
13	44	24	76	426	2	*1
14	44	24	76	430	2	*1
16	44	24	76	439	2	*1
17	44	24	76	443	2	*1
18	44	24	76	448	2	*1
19	44	24	76	450	2	*1
22	44	24	76	473	2	*1

16106.16 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	44	24	76	426	2	*1
9/16	44	24	76	430	2	*1
5/8	44	24	76	439	2	*1
3/4	44	24	76	450	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16106-16(T)

TORX® Bit Sockets
Vasos con Punta TORX®

	16106.16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	**T55**	44	34	86	427	2	*1
New	**T60**	44	34	86	434	2	*1
New	**T70**	44	34	86	443	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16106-16(XZN)

XZN Bit Sockets
Vasos con Punta XZN

	16106.16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	**M14**	44	44	96	453	2	*1
New	**M16**	44	44	96	463	2	*1
New	**M18**	44	44	96	473	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16106

Bit Holder, For 107-16
Porta Punta

	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16106	32	44	16	52	370	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

Replacement Screw : M6x10, ⬢3mm

107-16

Bits for Inhex Screws
Puntas para Tormillos Inhex

107.16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107.16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	122	10
12	100	15	146	10
14	100	–	166	10
17	100	–	193	10
19	100	–	232	10
22	100	–	254	10

107-16 (T)

TORX® Bits
Puntas TORX®

107.16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T55	100	11.4	108	10
T60	100	13.4	130	10
T70	100	15.7	159	10

107-16 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®

107.16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)

XZN Bits
Puntas XZN

107.16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107.16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	131	10
M16	100	15.8	161	10
M18	100	17.1	177	10

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16107-22

Hex Bit Sockets
Vasos con Punta Hexagonal

16107.22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	44	28	88	670	2	*1
22	44	28	88	692	2	*1
24	44	28	88	706	2	*1
27	44	28	88	730	2	*1
30	44	28	88	757	2	*1
32	44	28	93	783	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔P254-255

16107

Bit Holder
Porta Punta

	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16107	44	44	22	60	530	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔P254-255

Replacement Screw : M8x14, ⬢4mm

107-22

Bits for Inhex Screws
Puntas para Tormillos Inhex

107.22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

107.22 (inch)	L (mm)	(g)	(pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1. 1/4	55	243	10

107-22 (T)

TORX® Bits
Puntas TORX®

107.22 (T)	L (mm)	(g)	(pcs.)
New **T 70**	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

16760

Extension Bars
Alargaderas

16760	D (mm)	L (mm)	(g)	(pce.)	
150	44	150	775	1	*1
175	44	175	870	1	*1
200	44	200	955	1	*1
250	44	250	1150	1	*1
330	44	330	1460	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➔P254-255

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16666AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

LOCKING ADAPTOR

	L (mm)	(g)	(pcs.)	
16666AL	75	660	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

Lock & Quick Release

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

16770

Universal Joint
Articulación Universal

16771

Universal Joint
Articulación Universal

	L (mm)	(g)	(pce.)	
16770	106	790	1	*1
16771	95	720	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16644A · 16655A

Adaptors
Adaptadores

No Warranty
Sin Garantía

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16644A	3/4"	1/2"	54	310	5	*1
16644A-B	3/4"	1/2"	54	310	5	*1
16644A-P	3/4"	1/2"	54	310	5	*1

P-type B-type

DIN 3121 Form E

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16655A	3/4"	5/8"	55.5	336	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

Adapting down to a smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within limit torque of the smaller square drive.

16688A

Adaptor
Adaptador

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
16688A	3/4"	1"	62	435	1	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16688A-250 · -330

Adaptors
Adaptadores

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

thin

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)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	586	2	*1
19	35.3	54	13	57	590	2	*1
20	36.5	54	14	57	600	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
39	60.3	54	25	66	820	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	54	36	70	997	2	*1
48	71.5	54	35	70	990	2	*1
49	72.8	54	36	70	1020	2	*1
50	74	54	35	70	1065	2	*1
51	75.3	54	36	70	1100	2	*1
52	76.5	54	40	75	1185	2	*1
54	79	54	40	75	1252	2	*1
55	80.3	54	39	75	1260	2	*1
56	81.5	54	39	75	1277	2	*1
57	82.8	54	40	75	1300	2	*1
58	84	54	39	75	1340	2	*1
60	86.5	54	39	75	1400	2	*1
62	89	54	38	75	1410	2	*1
63	90.3	54	38	75	1383	2	*1
64	91.5	54	37	75	1580	2	*1
65	92.8	54	38	75	1630	2	*1
66	94	54	36	75	1580	2	*1
67	95.3	54	38	75	1580	2	*1
68	96.5	54	37	75	1583	1	*1
70	99	54	37	75	1625	1	*1
74	104	86	38	80	2650	1	*2
75	105.3	86	37	80	2675	1	*2
77	107.8	86	37	80	2890	1	*2
78	109	86	42	85	2900	1	*2
80	111.5	86	41	85	2996	1	*2
85	117.8	86	37	90	3378	1	*2
90	124	86	40	95	3871	1	*2
95	130.3	86	43	100	4500	1	*2
100	136.5	86	47	105	5000	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B
*2 C-Ring=1802C, Pin/O-Ring=1802A/B
➡P254-255

18400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	12	57	579	2	*1
3/4	35.3	54	13	57	590	2	*1
13/16	37.8	54	15	57	605	2	*1
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/16	45.3	54	16	57	627	2	*1
1. 3/32	46.5	54	16	57	642	2	*1
1. 1/8	47.8	54	18	57	657	2	*1
1. 3/16	49	54	21	62	657	2	*1
1. 1/4	51.5	54	21	62	685	2	*1
1. 9/32	52.8	54	21	62	692	2	*1
1. 5/16	54	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1.15/32	57.8	54	21	62	730	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 9/16	61.5	54	25	66	850	2	*1
1. 5/8	62.8	54	25	66	850	2	*1
1.11/16	65.3	54	27	68	977	2	*1
1. 3/4	67.8	54	27	68	963	2	*1
1.13/16	69	54	29	70	1010	2	*1
1. 7/8	71.5	54	35	70	990	2	*1
1.15/16	72.8	54	35	70	1000	2	*1
2	75.3	54	35	70	1060	2	*1
2. 1/16	76.5	54	40	75	1185	2	*1
2. 1/8	79	54	40	75	1252	2	*1
2. 3/16	80.3	54	39	75	1260	2	*1
2. 1/4	82.8	54	39	75	1337	2	*1
2. 5/16	84	54	39	75	1340	2	*1
2. 3/8	86.5	54	39	75	1400	2	*1
2. 7/16	89	54	38	75	1410	2	*1
2. 1/2	91.5	54	38	75	1498	2	*1
2. 9/16	92.8	54	38	75	1630	2	*1
2. 5/8	95.3	54	38	75	1580	2	*1
2.11/16	96.5	54	37	75	1583	1	*1
2. 3/4	99	54	37	75	1625	1	*1
2.13/16	101.5	86	37	80	2705	1	*2
2. 7/8	102.8	86	38	80	2629	1	*2
2.15/16	105.3	86	37	80	2675	1	*2
3	106.5	86	37	80	2705	1	*2
3. 1/16	109	86	42	85	2967	1	*2
3. 1/8	111.5	86	41	85	2996	1	*2
3. 1/4	115.3	86	44	90	3328	1	*2
3. 3/8	119	86	36	90	3389	1	*2
3. 1/2	124	86	40	95	3871	1	*2
3. 3/4	130.3	86	43	100	4377	1	*2
3. 7/8	135.3	86	47	105	5000	1	*2
4	137.8	86	46	105	5152	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B
*2 C-Ring=1802C, Pin/O-Ring=1802A/B
➡P254-255

18405M · 18405A

12-point Sockets
Vasos Bihexagonales

18405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	607	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	690	2	*1
35	55.3	54	21	62	690	2	*1
36	56.5	54	21	62	692	2	*1
38	59	54	25	66	700	2	*1
40	61.5	54	25	66	830	2	*1
41	62.8	54	25	66	905	2	*1
46	69	54	29	70	990	2	*1
50	74	54	35	70	1021	2	*1
55	80.3	54	39	75	1234	2	*1
56	81.5	54	39	75	1250	2	*1
60	86.5	54	39	75	1400	2	*1
65	92.8	54	38	75	1600	2	*1
70	99	54	37	75	1625	1	*1
75	105.3	86	37	80	2675	1	*2
80	111.5	86	41	85	2996	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔P254-255

18405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 3/4	67.8	54	27	68	970	2	*1
1.15/16	72.8	54	35	70	1000	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔P254-255

18401M · 18401A

6-point Sockets, Thin Walled
Vasos Hexagonales de Pared Delgada

18401M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	12	57	481	2	*1
18	31	53	13	57	488	2	*1
19	32.3	53	13	57	492	2	*1
20	33.5	53	14	57	505	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
26	41	53	16	57	533	2	*1
27	42.3	53	16	57	540	2	*1
29	44.8	53	18	57	560	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
40	58.5	53	25	66	725	2	*1
41	59.8	53	25	66	740	2	*1
42	61	53	25	66	803	2	*1
43	62.3	53	27	68	835	2	*1
45	64.8	53	27	68	888	2	*1
46	66	53	29	70	900	2	*1
47	67.3	53	36	70	915	2	*1
50	71	53	35	70	940	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔P254-255

18401A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔P254-255

18410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

SURFACE DRIVE

18410M (mm)	D1 (mm)	D2 (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=1801C, Pin/O-Ring=1801A/B ➡P254-255

18104M

Extra Long Sockets
Vasos Extra-Largos

18104M (mm)	D1 (mm)	D2 (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=1801C, Pin/O-Ring=1801A/B ➡P254-255

18301X

6-point Semi-Deep Sockets, Thin Walled
Vasos Hexagonales Medianos de Pared Delgada

FLAT DRIVE®

18301X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	53	33	53	85	781	2	*1
35	52.3	53	35	53	85	800	2	*1
36	53.5	53	36	52	85	808	2	*1
38	56	53	38	52	85	865	2	*1
41	59.8	53	38	51	85	937	2	*1
46	66	53	38	50	85	1032	2	*1
50	71	53	55	–	85	1220	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

18300M · 18300A

6-point Sockets, Deep
Vasos Hexagonales Largos

18300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
17	32.8	54	17	77	108	1000	2	*1
19	35.3	54	19	77	108	1010	2	*1
21	37.8	54	21	77	108	1010	2	*1
22	39	54	22	77	108	1010	2	*1
23	40.3	54	26	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	54	67	–	108	1500	2	*1
50	74	54	66	–	108	1650	2	*1
52	76.5	54	65	–	108	1770	2	*1
55	80.3	54	63	–	108	1855	2	*1
60	86.5	54	60	–	108	2047	2	*1
65	92.8	54	58	–	108	2310	2	*1
70	99	54	55	–	108	2440	1	*1
75	105.3	86	52	–	108	3646	1	*2
80	111.5	86	49	–	108	4039	1	*2
85	117.8	86	59	–	108	4000	1	*2
90	124	86	57	–	108	4200	1	*2
95	130.3	86	55	–	108	4400	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B
*2 C-Ring=1802C, Pin/O-Ring=1802A/B ➡P254-255

18300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	17	77	108	978	2	*1
3/4	35.3	54	19	77	108	1010	2	*1
7/8	39	54	22	77	108	1010	2	*1
15/16	41.5	54	24	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	49	54	30	77	108	1179	2	*1
1. 1/4	51.5	54	32	77	108	1200	2	*1
1. 5/16	54	54	34	77	108	1280	2	*1
1. 3/8	55.3	54	35	77	108	1300	2	*1
1. 7/16	57.8	54	37	76	108	1320	2	*1
1. 1/2	59	54	38	76	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	54	67	–	108	1500	2	*1
1.15/16	72.8	54	67	–	108	1570	2	*1
2	75.3	54	66	–	108	1605	2	*1
2. 1/16	76.5	54	65	–	108	1770	2	*1
2. 1/8	79	54	64	–	108	1812	2	*1
2. 3/16	80.3	54	63	–	108	1855	2	*1
2. 1/4	82.8	54	62	–	108	1916	2	*1
2. 5/16	84	54	61	–	108	1987	2	*1
2. 3/8	86.5	54	60	–	108	2047	2	*1
2. 7/16	89	54	59	–	108	2041	2	*1
2. 1/2	91.5	54	58	–	108	2250	2	*1
2. 9/16	92.8	54	58	–	108	2310	2	*1
2. 5/8	95.3	54	56	–	108	2370	1	*1
2. 3/4	99	54	55	–	108	2440	1	*1
2. 7/8	102.8	86	53	–	108	3600	1	*2
2.15/16	105.3	86	52	–	108	3646	1	*2
3	106.5	86	51	–	108	3677	1	*2
3. 1/16	109	86	50	–	108	3939	1	*2
3. 1/8	111.5	86	49	–	108	4039	1	*2
3. 3/16	112.8	86	48	–	108	4170	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B
*2 C-Ring=1802C, Pin/O-Ring=1802A/B ➡P254-255

18301M · 18301A

6-point Deep Sockets, Thin Walled
Vasos Hexagonales Largos de Parad De lgada

thin

18301M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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
42	61	53	38	75	108	1245	2	*1
43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	53	38	–	108	1435	2	*1
55	77.3	53	62	–	108	1735	2	*1
60	83.5	53	59	–	108	1985	2	*1
65	89.8	53	56	–	108	2090	2	*1
70	96	53	55	–	108	2310	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔P254-255

18301A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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. 7/16	54.8	53	37	76	108	1000	2	*1
1. 1/2	56	53	38	76	108	1025	2	*1
1. 9/16	58.5	53	38	75	108	1200	2	*1
1. 5/8	59.8	53	38	75	108	1213	2	*1
1.11/16	62.3	53	38	74	108	1285	2	*1
1. 3/4	64.8	53	38	74	108	1360	2	*1
1.13/16	66	53	38	74	108	1400	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔P254-255

18310M

Surface Drive Sockets, deep
Vasos Surface Drive (de Contacto Curvo) Largos

18310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
24	41.5	54	24	77	108	1060	2	*1
27	45.3	54	27	77	108	1125	2	*1
30	49	54	30	77	108	1179	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
36	56.5	54	36	76	108	1280	2	*1
41	62.8	54	38	75	108	1450	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➔P254-255

SURFACE DRIVE

18106-16

Hex Bit Sockets
Vasos con Punta Hexagonal

18106.16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	54	24	92	686	2	*1
12	54	24	92	692	2	*1
13	54	24	92	696	2	*1
14	54	24	92	700	2	*1
16	54	24	92	709	2	*1
17	54	24	92	713	2	*1
18	54	24	92	718	2	*1
19	54	24	92	764	2	*1
22	54	24	92	781	2	*1

18106.16 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	54	24	92	696	2	*1
9/16	54	24	92	700	2	*1
5/8	54	24	92	709	2	*1
3/4	54	24	92	764	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

18106-16(T)

TORX® Bit Sockets
Vasos con Punta TORX®

	18106.16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	**T55**	54	34	102	697	2	*1
New	**T60**	54	34	102	704	2	*1
New	**T70**	54	34	102	713	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

18106-16(XZN)

XZN Bit Sockets
Vasos con Punta XZN

	18106.16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	**M14**	54	44	112	723	2	*1
New	**M16**	54	44	112	733	2	*1
New	**M18**	54	44	112	743	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

18106

Bit Holder
Porta Punta

	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18106	32	54	16	68	640	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

Replacement Screw : M6x10, ⬢3mm

107-16

Bits for Inhex Screws
Puntas para Tornillos Inhex

107.16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107.16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107.16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
10	100	13	122	10
12	100	15	146	10
14	100	–	166	10
17	100	–	193	10
19	100	–	232	10
22	100	–	254	10

107-16 (T)

TORX® Bits
Puntas TORX®

107.16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107.16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T55	100	11.4	108	10
T60	100	13.4	130	10
T70	100	15.7	159	10

107-16 (IP)

TORXPLUS® Bits
Puntas TORXPLUS®

107.16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)

XZN Bits
Puntas XZN

107.16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107.16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	131	10
M16	100	15.8	161	10
M18	100	17.1	177	10

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18107-22

Hex Bit Sockets
Vasos con Punta Hexagonal

18107.22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	54	28	98	910	2	*1
22	54	28	98	932	2	*1
24	54	28	98	946	2	*1
27	54	28	98	986	2	*1
30	54	28	98	1008	2	*1
32	54	28	103	1029	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

18107

Bit Holder
Porta Punta

	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18107	44	54	22	70	770	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

Replacement Screw : M8x14, ⬢4mm

107-22

Bits for Inhex Screws
Puntas para Tornillos Inhex

107.22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

107.22 (inch)	L (mm)	(g)	(pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1. 1/4	55	243	10

107-22 (T)

TORX® Bits
Puntas TORX®

107.22 (T)	L (mm)	(g)	(pcs.)
New **T 70**	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

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18760

Extension Bars
Alargaderas

18760	D (mm)	L (mm)	(g)	(pce.)	
175	54	175	1400	1	*1
200	54	200	1580	1	*1
250	54	250	1885	1	*1
330	54	330	2380	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

18888AL

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

LOCKING ADAPTOR

	L (mm)	(g)	(pcs.)	
18888AL	95	980	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

Lock & Quick Release

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

18770

Universal Joint
Articulación Universal

	L (mm)	(g)	(pce.)	
18770	127	1350	1	*1
18771	115	1210	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

18771

Universal Joint
Articulación Universal

18866A
18866A-200

Adaptors
Adaptadores

No Warranty
Sin Garantia

	凹 (sq.)	凸 (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=1801C, Pin/O-Ring=1801A/B ➡P254-255

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

18877A

Adaptor
Adaptador

	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pce.)	
18877A	1"	1.1/2"	80	935	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

17400M · 17400A

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

17400M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5500	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2
4. 7/8	173	127	67	136	13000	1	*2
5	180	127	69	140	14200	1	*2
6	205	127	88	165	16500	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B
*2 Pin/O-Ring=1702A/B

➡P254-255

17405M · 17405A

12-point Sockets
Vasos Bihexagonales

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=1700C, Pin/O-Ring=1701A/B
*2 Pin/O-Ring=1702A/B
➡P254-255

17300M · 17300A

6-point Deep Sockets
Vasos Hexagonales Largos

17300M (mm)	D_1 (mm)	D_2 (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pce.)	
36	63	86	26	70.5	115	2800	1	*1
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	135	4370	1	*1
65	97	86	38	99.5	145	5260	1	*1
70	103	86	40	98.5	145	5780	1	*1
75	108	86	42	107.5	155	6580	1	*1
80	115	86	46	115.5	165	7740	1	*1
85	122	86	49	114.5	165	7420	1	*1
90	128	86	52	122.5	175	9630	1	*1
95	135	127	55	121.5	175	10450	1	*2
100	140	127	58	130.5	185	9741	1	*2
105	146	127	62	138.5	195	10850	1	*2
110	153	127	65	137.5	195	11500	1	*2
115	160	127	68	135.5	195	12160	1	*2
120	166	127	72	144.5	205	13680	1	*2
125	173	127	74	142.5	205	14450	1	*2
130	180	127	76	142.5	205	15190	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B
*2 Pin/O-Ring=1702A/B
➡P254-255

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=1700C, Pin/O-Ring=1701A/B
*2 Pin/O-Ring=1702A/B
➡P254-255

17108-32

Hex Bit Sockets
Vasos con Punta Hexagonal

17108.32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pce.)	
19	86	30	115	2500	1	*1
22	86	30	115	2520	1	*1
24	86	30	115	2530	1	*1
27	86	30	115	2560	1	*1
30	86	30	115	2590	1	*1
32	86	30	115	2610	1	*1
36	86	30	115	2660	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P254-255

17108

Bit Holder, For 107-32
Porta Punta

	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
17108	60	86	30	85	2200	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P254-255

Replacement Screw : M8x14, ⬢4mm

107-32

Bit for Inhex Screws
Puntas para Tornillos Inhex

107.32 (mm)	L (mm)	(g)	(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

17760 Extension Bars
Alargaderas

17760	D (mm)	L (mm)	(g)	(pce.)	
175	86	175	3300	1	*1
250	86	250	4500	1	*1
330	86	330	5200	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P254-255

17770 Universal Joint
Articulación Universal

	L (mm)	(g)	(pce.)	
17770	200	4700	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P254-255

17788A Adaptor
Adaptador

No Warranty
Sin Garantía

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17788A	1.1/2"	1"	98	2600	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P254-255

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

17799A Adaptor
Adaptador

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17799A	1.1/2"	2.1/2"	115	3790	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B ➡P254-255

19400M · 19400A

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

19400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
50	88	127	39	115	7270	1	*1
55	94	127	42	115	7350	1	*1
60	100	127	45	125	7870	1	*1
65	105	127	48	125	7790	1	*1
70	110	127	51	125	7640	1	*1
75	118	127	54	125	7740	1	*1
80	124	127	57	125	7640	1	*1
85	127	127	61	132	7840	1	*1
90	135	127	64	132	8500	1	*1
95	140	127	71	140	10160	1	*1
100	146	127	71	142	11500	1	*1
105	155	127	74	146	11350	1	*1
110	160	127	76	155	12710	1	*1
115	167	127	78	158	13980	1	*1
120	175	175	79	160	15430	1	*2
125	180	175	82	165	16590	1	*2
130	185	175	85	169	17590	1	*2
135	190	175	89	175	19030	1	*2
140	200	175	93	180	21810	1	*2
145	205	175	95	183	24440	1	*2
150	210	175	97	192	25720	1	*2
160	225	175	102	200	30920	1	*2
165	230	175	105	204	32610	1	*2
170	235	175	106	207	34390	1	*2
175	240	175	109	211	36210	1	*2
180	250	175	110	214	40630	1	*2
185	255	175	113	218	42690	1	*2
190	265	175	113	220	47440	1	*2
200	275	175	116	225	51550	1	*2
210	285	175	123	235	57170	1	*2
215	290	175	126	240	60260	1	*2
225	305	175	133	250	70180	1	*2
235	315	175	140	260	77060	1	*2

19400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
2. 1/8	92	127	41	115	6665	1	*1
2. 3/8	100	127	45	125	7870	1	*1
2. 7/16	102	127	46	125	7840	1	*1
2. 1/2	103	127	47	125	7810	1	*1
2. 9/16	105	127	48	125	7790	1	*1
2. 5/8	107	127	49	125	7790	1	*1
2.11/16	108	127	50	125	7790	1	*1
2. 3/4	110	127	51	125	7640	1	*1
2.13/16	113	127	52	125	7690	1	*1
2. 7/8	115	127	53	125	7730	1	*1
2.15/16	118	127	54	125	7740	1	*1
3	120	127	55	125	7740	1	*1
3. 1/8	124	127	57	125	7640	1	*1
3. 1/4	125	127	59	125	7740	1	*1
3. 3/8	127	127	61	132	7840	1	*1
3. 1/2	135	127	64	132	8500	1	*1
3. 5/8	138	127	64	132	9330	1	*1
3. 3/4	140	127	71	140	10160	1	*1
3. 7/8	143	127	70	140	10830	1	*1
4	146	127	71	142	11500	1	*1
4. 1/8	155	127	70	142	11250	1	*1
4. 1/4	160	127	76	155	12710	1	*1
4. 3/8	163	127	76	155	13100	1	*1
4. 1/2	167	127	78	158	13980	1	*1
4. 5/8	175	175	79	160	15430	1	*2
4. 7/8	180	175	82	165	16590	1	*2
5	183	175	81	165	17090	1	*2
5. 1/4	190	175	89	175	19030	1	*2
5. 3/8	198	175	94	180	20880	1	*2
5. 1/2	200	175	93	180	21810	1	*2
5. 5/8	203	175	94	182	22480	1	*2
5. 3/4	207	175	103	192	24440	1	*2
6	217	175	100	196	28510	1	*2
6. 1/8	218	175	99	196	29720	1	*2
6. 5/8	233	175	105	205	33500	1	*2
7	248	175	110	213	39160	1	*2

*1 Pin/O-Ring=1901A/B
*2 Pin/O-Ring=1902A/B
➡P255

19300M

6-point Deep Sockets
Vasos Hexagonales Largos

19300M (mm)	D_1 (mm)	D_2 (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pce.)	
75	118	127	42	129	190	11930	1	*1
80	124	127	46	129	190	12280	1	*1
85	127	127	49	134	195	12480	1	*1
90	135	127	52	144	205	14000	1	*1
95	140	127	55	149	210	14630	1	*1
100	146	127	58	154	215	15520	1	*1
105	155	127	62	146.5	220	18250	1	*1
110	160	127	65	150.5	225	18740	1	*1
115	167	127	68	153.5	230	20940	1	*1
120	175	175	72	157.5	235	23530	1	*2
125	180	175	74	158.5	238	26110	1	*2
130	185	175	76	163.5	243	25320	1	*2
135	190	175	80	165.5	248	26290	1	*2
140	200	175	82	164.5	248	28940	1	*2
145	205	175	84	163.5	248	29520	1	*2
150	210	175	88	168.5	255	30600	1	*2
155	215	175	92	167.5	255	31680	1	*2
160	225	175	95	170.5	260	35560	1	*2
165	230	175	98	169.5	260	36040	1	*2
170	235	175	100	172.5	265	37230	1	*2
175	240	175	102	176.5	270	39420	1	*2

*1 Pin/O-Ring=1901A/B
*2 Pin/O-Ring=1902A/B ➔P255

19760

Extension Bars
Alargaderas

19760	D (mm)	L (mm)	(g)	(pce.)	
250	127	250	17800	1	*1
500	127	500	27800	1	*1

*1 Pin/O-Ring=1901A/B ➔P255

19770

Universal Joint
Articulación Universal

	L (mm)	(g)	(pce.)	
19770	303	21360	1	*1

*1 Pin/O-Ring=1901A/B ➔P255

19977A

Adaptor
Adaptador

No Warranty
Sin Garantía

	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pce.)	
19977A	2.1/2"	1.1/2"	145	7210	1	*1

*1 Pin/O-Ring=1901A/B ➔P255

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

10400M · 10400A

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

10400M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123	236	48400	1	*2
7.3/8	269	200	124	238	52500	1	*2
7.1/2	275	200	125	240	55350	1	*2
7.5/8	278	200	127	242	56050	1	*2
7.3/4	282	200	129	245	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

*1 Pin/O-Ring=2001A/B
*2 Pin/O-Ring=2002A/B ➡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=2001A/B ➡P255

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Sleeve Drive Sockets

3/8”

1/2”

3/4”

SLEEVE DRIVE SOCKET

The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

El extremo de accionamiento alargado de las herramientas con **casquillo conductor** evita la unión a veces "holgada" entre la herramienta de percusión-alargadera-vaso. Una junta tórica en el interior del **casquillo conductor** optimiza el ajuste perfecto de las alargaderas y los vasos en el elemento de accionamiento lo que se traduce en la mejora de la exactitud del par requerido suministrado por la herramienta de percusión.

SLEEVE DRIVE SOCKET **PULSE TOOL**

The ***"Sleeve Drive"*** Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

Los Vasos y accesorios con Casquillo Conductor se han diseñado para su utilización con Herramientas de Percusión con elementos de accionamiento de cierta longitud y diámetro como se muestra a continuación.

	Anvil Diameter (mm)	Minimum Anvil LengtH (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8

FLAT DRIVE®

NV13400

6-point Sockets
Vasos Hexagonales

NV13400 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 8	13.3	19	6	43	50	10	*1
10	15.8	19	7	43	53	10	*1
11	17	19	8	43	54	10	*1
12	18.3	19	9	43	55	10	*1
13	19.5	22	10	43	80	10	*2
14	20.8	22	10	43	80	10	*2
15	22	22	11	43	81	10	*2
16	23.3	22	11	43	83	10	*2
17	24.5	22	11	43	85	10	*2
18	25.8	22	11	43	89	10	*2
19	27	22	11	43	98	10	*2
21	29.5	22	11	43	105	10	*2
22	30.8	22	11	43	112	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➡P254-255

NV13145-100・-150・-200

Extended Sockets
Vasos con Alargadera

NV13145.100 (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B ➡P254-255

NV13760
NV13760-P

Extension Bars
Alargaderas

NV13760	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
75	Hole	19	75	95	10	*1
125	Hole	19	125	125	10	*1
150	Hole	19	150	150	10	*1
250	Hole	19	250	255	10	*1

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=1301C, Pin/O-Ring=1301A/B ➡P254-255

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
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®

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

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183X-35・-75・-150 (XZN)

XZN Bits
Puntas XZN

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

183X.75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

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

NV13134

Bit Holder
Porta Punta

	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV13134	22.5	22	15	45	100	5	*2

*2 C-Ring=1302C, Pin/O-Ring=1302A/B ➡P254-255

For
DIN3126 / ISO1173 E11.2 Bits

Replacement Screw : M8×5, ⬢ 4mm

NV14134

Bit Holder
Porta Punta

	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV14134	22.5	25	15	55	130	5	*1

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

For
DIN3126 / ISO1173 E11.2 Bits

Replacement Screw : M8×5, ⬢ 4mm

NV14400

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

NV14400 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New **10**	17	25	7	52	120	10	*1
12	19.5	25	9	54	120	10	*1
13	20.7	25	10	54	120	10	*1
14	22	25	10	54	120	10	*1
15	23.2	30	11	54	188	10	*2
16	24.5	30	11	54	189	10	*2
17	25.7	30	12	54	190	10	*2
18	27	30	12	54	190	10	*2
19	28.2	30	12	54	190	10	*2
21	30.7	30	12	54	191	10	*2
22	32	30	12	54	192	10	*2
23	33.2	30	12	54	196	10	*2
24	34.5	30	12	54	200	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P254-255

NV14145-100 · -150 · -200

Extended Sockets
Vasos con Alargadera

NV14145.100 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.5	25	10	100	161	1	*1
12	18	25	12	100	178	1	*1
13	19	25	13	100	175	1	*1
14	21	25	14	100	181	1	*1
15	22	25	15	100	185	1	*1
16	24	25	15	100	193	1	*1
17	25	25	15	100	201	1	*1
18	26	25	15	100	211	1	*1
19	28	25	15	100	221	1	*1

NV14145.150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.5	25	10	150	200	1	*1
12	18	25	12	150	215	1	*1
13	19	25	13	150	220	1	*1
14	21	25	14	150	225	1	*1
15	22	25	15	150	230	1	*1
16	24	25	15	150	240	1	*1
17	25	25	15	150	250	1	*1
18	26	25	15	150	262	1	*1
19	28	25	15	150	275	1	*1

NV14145.200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.5	25	10	200	236	1	*1
12	18	25	12	200	250	1	*1
13	19	25	13	200	260	1	*1
14	21	25	14	200	270	1	*1
15	22	25	15	200	275	1	*1
16	24	25	15	200	287	1	*1
17	25	25	15	200	300	1	*1
18	26	25	15	200	310	1	*1
19	28	25	15	200	320	1	*1

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

NV14760
NV14760-P

Extension Bars
Alargaderas

NV14760	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
75	Hole	25	75	149	10	*1
125	Hole	25	125	230	10	*1
175	Hole	25	175	308	10	*1
250	Hole	25	250	422	10	*1

NV14760	TYPE	D (mm)	L (mm)	(g)	(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=1401C, Pin/O-Ring=1401A/B ➡P254-255

NV14433A-P

Adaptors
Adaptadores

No Warranty
Sin Garantía

NV14433A	(mm)	(mm)	L (mm)	(g)	(pce.)	
75P	1/2"	3/8"	75	120	1	*1
100P	1/2"	3/8"	100	145	1	*1
150P	1/2"	3/8"	150	187	1	*1

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

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

FLAT DRIVE®

NV16400

6-point Sockets
Vasos Hexagonales

NV16400 (mm)	D1 (mm)	D2 (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=1600C, Pin/O-Ring=1601A/B ➡P254-255

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=1600C, Pin/O-Ring=1601A/B ➡P254-255

C-Ring Lock Clamps and Pullers
Aro de Sujeción en C y Extractor

One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

Aro de acero elástico de una pieza. Colocación sencilla apretando con el dedo y fácilmente extraíble con el extractor. Mucho más cómodo y seguro que la combinación de pasador y junta tórica.

C-RING

C-Ring

No.	◻	Opening (mm)	(pcs.)
1301C	3/8"	≦12	100
1302C	3/8"	>12	100
1401C	1/2"	≦14	100
1402C	1/2"	>14	100
1600C	3/4"	≦46	100
1801C	1"	≦70	100
1802C	1"	>70	50
1700C	1-1/2"	≦90	50

1301C

1302C

1401C

1402C

1600C

1801C

C-Ring Set

Set No.	◻	C-Ring 10pcs.	Puller 1pce.
PK1301C	3/8"	1301C	149
PK1302C	3/8"	1302C	149
PK1401C	1/2"	1401C	149
PK1402C	1/2"	1402C	149
PK1600C	3/4"	1600C	152
PK1801C	1"	1801C	152

Puller

No.	◻		(pcs.)
149	3/8"	1/2"	10
152	3/4"	1"	10

149

152

Pin

No.	⧄	Opening (mm)	D (mm)	L (mm)	(pcs.)
1200A	1/4"		1.5	10.2	100
1301A	3/8"	≦ 12	2.5	14.5	100
1302A	3/8"	> 12	2.5	17.5	100
1401A	1/2"	≦ 14	3.5	20	100
1402A	1/2"	> 14	3.5	25	100
1500A	5/8"		4	29	100
1601A	3/4"	≦ 46	5.5	35	100
1602A	3/4"	> 46	5.5	45	100
1801A	1"	≦ 70	6	45	100
1802A	1"	> 70	6	75	50
1701A	1-1/2"	≦ 90	7	75	50
1702A	1-1/2"	> 90	7	110	50
1901A	2-1/2"	≦115	9	110	50
1902A	2-1/2"	>115	9	155	50
2001A	3-1/2"	≦140	13	155	1
2002A	3-1/2"	>140	13	180	1

O-Ring

No.	⧄	Opening (mm)	D_1 (mm)	D_2 (mm)	(pcs.)
1200B	1/4"		2.5	9	100
1301B	3/8"	≦ 12	3.5	13	100
1302B	3/8"	> 12	3.5	16	100
1401B	1/2"	≦ 14	4	19	100
1402B	1/2"	> 14	4	24	100
1500B	5/8"		5	28	100
1601B	3/4"	≦ 46	5	36	100
1602B	3/4"	> 46	5	45	100
1801B	1"	≦ 70	7	45	100
1802B	1"	> 70	7	75	50
1701B	1-1/2"	≦ 90	10	75	50
1702B	1-1/2"	> 90	10	114	50
1901B	2-1/2"	≦115	10.5	114	50
1902B	2-1/2"	>115	10.5	158	50
2001B	3-1/2"	≦140	15	158	1
2002B	3-1/2"	>140	15	183	1

Pins & O Rings/C-Ring Lock Clamps
Pasadores y Juntas Tóricas/Aros de Sujectión en C

IMPACT Standard Sockets	Sq.Dr.	1/4"	3/8"		1/2"		3/4"		1"		1-1/2"	
	C-Ring		1301C	1302C	1401C	1402C	1600C	1801C	1801C	1802C	1700C	
size	O-Ring/Pin	1200A/B	1301A/B	1302A/B	1401A/B	1402A/B	1601A/B	1602A/B	1801A/B	1802A/B	1701A/B	1702A/B
4		●										
4.5	3/16	●										
5		●										
5.5		●										
6	1/4	●	●		●							
7	9/32	●	●		●							
8	5/16	●	●		●							
9	11/32	●	●		●							
10	3/8	●	●		●							
11	7/16	●	●		●							
12		●	●		●							
13	1/2	●		●	●							
14	9/16	●		●	●		●					
15				●		●	●					
16	5/8			●		●	●					
17	11/16			●		●	●		●			
18				●		●	●		●			
19	3/4			●		●	●		●			
20				●		●	●		●			
21	13/16			●		●	●		●			
22	7/8			●		●	●		●			
23				●		●	●		●			
24	15/16			●		●	●		●			
25	1					●	●		●			
26						●	●		●			
27	1- 1/16					●	●		●			
28						●	●		●			
29	1- 1/8					●	●		●			
30	1- 3/16					●	●		●			
31						●	●		●			
32	1- 1/4					●	●		●			
33	1- 5/16					●	●		●			
34	1- 3/8					●	●		●			
36						●	●		●		●	
37	1- 7/16					●	●		●		●	
38	1- 1/2					●	●		●		●	
39						●	●		●		●	
40	1- 9/16					●	●		●		●	
41	1- 5/8					●	●		●		●	
42							●		●		●	
43	1- 11/16						●		●		●	
44							●		●		●	
45	1- 3/4						●		●		●	
46	1- 13/16						●		●		●	
47								●	●		●	
48	1- 7/8							●	●		●	
	1- 15/16							●	●		●	
50								●	●		●	
	2							●	●		●	
52	2- 1/16							●	●		●	
54	2- 1/8							●	●		●	
55	2- 3/16							●	●		●	
56								●	●		●	
	2- 1/4							●	●		●	
58	2- 5/16							●	●		●	
60	2- 3/8							●	●		●	
62	2- 7/16							●	●		●	
63								●	●		●	
	2- 1/2							●	●		●	
65	2- 9/16							●	●		●	
67	2- 5/8							●	●		●	
68	2- 11/16							●	●		●	
70	2- 3/4							●	●		●	
	2- 13/16									●	●	
	2- 7/8									●	●	
75	2- 15/16									●	●	
	3									●	●	
	3- 1/16									●	●	
80	3- 1/8									●	●	
	3- 1/4									●	●	
85										●	●	
	3- 3/8									●	●	
90	3- 1/2									●	●	
	3- 5/8									●	●	
95	3- 3/4									●		●
100	3- 7/8									●		●
105	4									●		●
	4- 1/8											●
110	4- 1/4											●
115	4- 1/2											●
120	4- 5/8											●
	4- 3/4											●
125	4- 7/8											●
130	5											●
135	5- 1/4											●
140												●
150												●
	6											●
	6- 1/2											●

Industrial Sockets

1/4”

3/8”

1/2”

22400M

6-point Sockets
Vasos Hexagonales

FLAT DRIVE®

22400M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

22300M · 22300A

6-point Sockets, Deep
Vasos Hexagonales, largos

22300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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.

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FLAT DRIVE®

23400M · 23400A

6-point Sockets
Vasos Hexagonales

23400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	9.3	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10
21	28	26	14.5	32	77	10

23400A (inch)	D1 (mm)	D2 (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

12-point Sockets
Vasos Bihexagonales

23405M (mm)	D1 (mm)	D2 (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

SURFACE DRIVE

23410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

23410M (mm)	D1 (mm)	D2 (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

TORX® Sockets
Vasos TORX®

23425 (E)	D1 (mm)	D2 (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
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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23300M · 23300A

6-point Sockets, Deep
Vasos Hexagonales, largos

FLAT DRIVE®

23300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 5	6.9	17.4	5.2	41.5	55	50	10
E 6	7.9	17.4	5.4	41.5	55	52	10
E 7	8.9	17.4	6.6	41.5	55	55	10
E 8	9.9	17.4	7	41.5	55	58	10
E10	11.8	17.2	8.2	41.5	55	60	10
E12	14.5	17.2	9.3	41.5	55	68	10
E14	15.7	17.2	10.6	41.5	55	77	10
E16	18	17	11.8	41.5	55	80	10

23760-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

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FLAT DRIVE®

24400M · 24400A

6-point Sockets
Vasos Hexagonales

24400M (mm)	D1 (mm)	D2 (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)	D1 (mm)	D2 (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

12-point Sockets
Vasos Bihexagonales

24405M (mm)	D1 (mm)	D2 (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

SURFACE DRIVE

24410M

Surface Drive Sockets
Vasos Surface Drive (de Contacto Curvo)

24410M (mm)	D1 (mm)	D2 (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

TORX® Sockets
Vasos TORX®

24425 (E)	D1 (mm)	D2 (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
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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24300M · 24300A

6-point Sockets, Deep
Vasos Hexagonales, largos

FLAT DRIVE®

24300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
11	16.5	21	12	59	77	95	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	164	10
19	26.5	25	20	58	77	177	10
20	27.8	26	21	58	77	178	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	252	10
27	36.5	33	28	56	77	303	10
30	40	36	34	55	77	342	10
32	42.8	38	34	55	77	405	10

24300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	12	59	77	95	10
1/2	19	21.8	14	59	77	107	10
9/16	20.3	21.8	16	59	77	118	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	150	10
11/16	25	24	19	59	77	164	10
3/4	26.5	25	20	58	77	177	10
13/16	29	27	23	58	77	187	10
15/16	32.8	30	27	57	77	252	10

24305M

12-point Deep Sockets
Vasos Bihexagonales Largos

24305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	160	10
19	26.5	25	20	58	77	177	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	250	10

24760-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

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3/8”

1/2”

Sockets with Turnable Plastic Protectors

PROTECTOR SOCKET

Safety

Turnable plastic protector increases operator's safety during assembly process.

Scratch proof

Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.

Protector series are make-to-order manufacturing

FLAT DRIVE®

13400M-FR

6-point Sockets
Vasos Hexagonales

13400M (FR)	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

13760-P.FR

Extension Bars
Alargaderas

13760 (FR)	D (mm)	L (mm)	(g)
125P.FR	26.2	125	145
250P.FR	26.2	250	220

14400M-FR

6-point Sockets
Vasos Hexagonales

14400M (FR)	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

14760-P.FR

Extension Bars
Alargaderas

14760 (FR)	D (mm)	L (mm)	(g)
125P.FR	34.2	125	280
250P.FR	34.2	250	480

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

115G-100FR · -150FR · -200FR

Nut Setters with Sliding Magnet
Vasos para tuercas con Imán Corredizo

SLIDE MAGNET

115G.100 (FR)	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)
8FR	15.1	4	26	100	55
10FR	16.9	4.5	26	100	60
12FR	19.3	6	26	100	80
13FR	20.4	6.5	25	100	85

115G.150 (FR)	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)
8FR	15.1	4	26	150	75
10FR	16.9	4.5	26	150	80
12FR	19.3	6	26	150	100
13FR	20.4	6.5	25	150	110

115G.200 (FR)	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)
8FR	15.1	4	26	200	90
10FR	16.9	4.5	26	200	100
12FR	19.3	6	26	200	125
13FR	20.4	6.5	25	200	135

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

REPLACEMENT

Remove a damaged Protector and put a new Protector on Socket / Extension bar by pressing.
For your safety, worn out or cracked Protector must be replaced.

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

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

Automotive Tools

3300C · 4300C

Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

SPARK PLUG SOCKET

3300C (mm)	⊠	D (mm)	H1 (mm)	H2 (mm)	L (mm)	⚖ (g)	◇ (pcs.)
13	3/8"	17.5	11	17	70	66	10
14		19	11	17	70	82	10
16		20.5	13	17	70	91	10
18		23.9	12	21	70	140	10
20.8		26.9	13.5	22	70	132	10

4300C (mm)	⊠	D (mm)	H1 (mm)	H2 (mm)	L (mm)	⚖ (g)	◇ (pcs.)
16	1/2"	21	13	21	70	101	10
18		23.9	12	21	70	132	10
20.8		26.9	13.5	22	70	130	10

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

3300CB

Spark Plug Socket (BMW)
Llave de Bujía (BMW)

SPARK PLUG SOCKET

3300CB (mm)	⊠	D (mm)	H1 (mm)	H2 (mm)	L (mm)	⚖ (g)	◇ (pcs.)
16	3/8"	22.8	13	19	65	118	10

SPARK PLUG SOCKETS with SPRING CLIP

An internal brass guide holds the clips in place, which ensures perfect alignment of the spark plug into the threaded plug hole of the cylinder head, thus preventig 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.

3305P

Spark Plug Socket with Magnet, 12-point Opening
Llaves de bujía con Imán, Boca Bihex

3305P (mm)	⊠	D (mm)	H1 (mm)	H2 (mm)	L (mm)	⚖ (g)	◇ (pcs.)
14	3/8"	19	8	17	70	87	10
16		20.5	8	17	70	100	10

Spark Plug Socket with Magnet, 12-pt. opening: 3305P-14

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

3300S · 4300S

Spark Plug Sockets with Rubber
Llaves de bujía con Goma

3300S (mm)	⊠	D (mm)	H1 (mm)	H2 (mm)	L (mm)	⚖ (g)	◇ (pcs.)
16	3/8"	20.9	19	17	70	100	10
18		23.9	21	21	70	145	10
20.8		26.9	27	22	70	140	10

4300S (mm)	⊠	D (mm)	H1 (mm)	H2 (mm)	L (mm)	⚖ (g)	◇ (pcs.)
16	1/2"	21	19	21	70	100	10
18		23.9	21	21	70	130	10
20.8		26.9	27	22	70	135	10

SPARK PLUG SOCKET

3300C-180 · -250

Spark Plug Sockets with Spring Clips
Llaves de Bujía con Presillas

3300C.180 (mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	18	11	180	205	5
16		20.5	18	13	180	220	5
20.8		26.9	18	13.5	180	260	5

3300C.250 (mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	18	11	250	271	5
16		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

Spark Plug Socket with Magnet, 12-point Opening
Llave de bujía con Imán, Boca Bihex

3305P.250 (mm)	◻	D1 (mm)	D2 (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.

SPARK PLUG SOCKET

3340C · 4340C

Universal Spark Plug Sockets with Spring Clips
Llaves de bujía con Presillas con Articulación Universal

3340C (mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	19	11	88	109	10
16		21	19	13	88	122	10
18		23.9	19	12	88	145	10
20.8		26.8	19	13.5	88	174	10

4340C (mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
16	1/2"	21	25	13	100	220	10
20.8		26.8	25	13.5	100	250	10

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

3345P

Universal Spark Plug Socket with Magnet, 12-point opening
Llave de bujía con Imán con Articulación Universal, Boca Bihex

3345P (mm)	◻	D1 (mm)	D2 (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.

SPARK PLUG SOCKET

127C

T-type Universal Spark Plug Socket Wrench
Llave de Bujías en T con Articulación Universal

127C.315 (mm)	D (mm)	H (mm)	L1 (mm)	L2 (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.

3751N

Torque Ratchet for Spark Plugs
Llave de Bujías Dinamométrica

TORQUE RATCHET
The torque is set at 25Nm. When the torque is loaded higher than 25Nm, the gear slips and no increased torque is transmitted. Cylinder heads and spark plugs are protected by this mechanism.

3751J

Torque Ratchet for Spark Plugs
Llave de Bujías Dinamométrica

	⬚	D (mm)	T (mm)	H (mm)	L (mm)	⚖ (g)	(pce.)
3751N-25	3/8"	34	57	43	178	320	1
3751J-25		34	57	43	178	320	1

3225A

Set for Torque Controlled Installation of Spark Plugs
Juego de Llaves de Bujías Dinamométricas

3225A	4 Pieces Set/⚖=960g
METAL CASE: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		28	75	220	1

2350G-PSG (mm)	⧄	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
12	1/4"	16.5	15.5	12	41	50	41	10

NUT GRIP®

2350G-12PSG

Sockets for PSG-Glow Plugs
Vasos para PSG-Bujías de pre-calentamiento

NUT GRIP®

3341G-70 · -89

Universal Glow Plug Sockets with NUT GRIP®
Llaves de Calentador con Articulación Universal con Sujeta-Tuercas (Nut Grip®)

3341G.70 (mm)	⧄	D1 (mm)	D2 (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.89 (mm)	⧄	D1 (mm)	D2 (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	12	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

Deep length universal Glow Plug Socket
Llave de Calentador Larga con Articulación Universal

3342G.150 (mm)	⧄	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	12	18	7.5	150	137	10

144KM

For Glow Plugs
Para Calentadores

144KM (mm)	L (mm)	D (mm)	C (mm)	(g)	(pce.)
8	200	22.7	7.5	95	1
12	200	22.7	7.5	102	1

148KM

For Glow Plugs
Para Calentadores

148KM (mm)	L (mm)	D1 (mm)	D2 (mm)	C (mm)	(g)	(pce.)
8S×12	245	23.6	24.6	9	187	1

SP4305M-77

Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel

SP4305M.77 (mm)	⧄	D1 (mm)	D2 (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.

4133

Socket for Diesel Engine Injectors
Vaso para Inyectores de Motor Diesel

	⧄	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
4133	1/2"	23.9	23	55	86	10

4133
For fuel injection pump of M.B diesel cars.

4122-72

Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel

4122.72 (mm)	⧄	D1 (mm)	D2 (mm)	D3 (mm)	L (mm)	(g)	(pcs.)
22	1/2"	28.5	27	22	72	150	10

4122.72-22
For M.B Trucks, Holder nut of injection post.

SP4122-69

Diesel Injection Holder Nut Socket
Vaso Porta Tuerca de Inyección Diesel

SP4122.69 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
22	28.4	22	22	32	69	185	5

3300FN

Flare Nut Sockets
Llaves de vaso para entubar

3300FN (mm)	⧄	D1 (mm)	D2 (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/6

Socket Set on Rail
Juego de Vasos en Regleta

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

SP4300M-85
SP4300M-110

Special socket for Lambda Probes
Vaso Especial para Sensores Lambda

	⧄	D1 (mm)	D2 (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

Oil Pressure Switch Sockets
Vasos para Presostatos de Aceite

4300H (mm)	⧄	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	H3 (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 (8P)

8-point Socket
Vaso Octagonales

4300H (mm)	⧄	D1 (mm)	D2 (mm)	H1 (mm)	H2 (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 · -120 (12P)

Bit Sockets for Double Inhex Screws (12-point)
Vasos con Punta para Tornillos Doble Inhex (Bihex)

4010M.100 (mm)	⧄	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8(12P)	1/2"	23	63.5	100	132	10
10(12P)		23	63.5	100	135	10

4010M.120 (mm)	⧄	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8(12P)	1/2"	23	83.5	120	151	10
10(12P)		23	83.5	120	155	10

Cylinder head bolt socket for TOYOTA
4010M(12P) is Double Hex bit socket.
XZN(Triple Square) bit socket has different shape.

ST4027-140

Head Bolt Bit Socket for VW/AUDI
Vasos con Punta para Perno de Culata VW/AUDI

	⧄	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 · -200 (12P)

Extra Long Sockets
Vasos Extra-Largos

13145M.150 (12P) (mm)	⧄	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A•B ➡P254-255

13145M.200 (12P) (mm)	⧄	D1 (mm)	D2 (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=1301C, Pin/O-Ring=1301A/B ➡P254-255

16305M

12-point Sockets, Deep
Vasos Bihexagonales Largos

16305M (mm)	⧄	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	3/4"	26.3	44	14	74	100	500	2	*1
17		30	44	17	74	100	544	2	*1
19		32.5	44	19	74	100	655	2	*1
22		36.3	44	22	74	100	700	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A•B ➡P254-255

4109M

Double Square Sockets
Vasos Octagonales

4109M (mm)	⧄	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
14	1/2"	26.8	26	11	38	110	10
17		30	28	12.5	40	140	10
19		31.5	29	14	40	150	10
21.5		35	32	16	40	170	10
23		37	34	16.5	43	180	10

4109M series
For Lubrication service

4111M

6-point Socket
Vaso Hexagonales

4111M (mm)	⧄	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
24	1/2"	32	30	17	40	133	10

4111M
For Lubrication service

4020-60 (MH)

Bit Socket for XZN-Screws with hole
Vaso con Punta para Tornillos XZN con agujero

4020.60 (XZN)	⧄	D (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
MH16	1/2"	24	20	60	135	10

4020-60-MH16
Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

3110M · 3110A

4-point Male Sockets
Vasos con Macho Cuadrado

3110M (mm)	⧄	D (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
6	3/8"	18	10	28	30	10
8		18	10	28	30	10
10		18	10	28	33	10
12		18	10	28	37	10

3110A (inch)	⧄	D (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
5/16	3/8"	18	10	28	30	10
3/8		18	10	28	33	10
1/2		18	10	28	37	10

4110M · 4110A

4-point Male Sockets
Vasos Macho Cuadrado

4110M (mm)	⧄	D (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
8	1/2"	24	10	32	57	10
10		24	10	32	62	10
10.5		24	10	32	64	10
12		24	10	32	64	10
13		24	10	32	66	10
13.5		24	10	32	67	10
19		25	15	37	101	10
20		26	15	37	114	10

4110A (inch)	⧄	D (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
3/8	1/2"	24	10	32	62	10
1/2		24	10	32	64	10

158

For Lubrication Service
Para Lubricación

158 (mm)	L_1 (mm)	L_2 (mm)	d (mm)	(g)	(pce.)
8S×10S	63	230	13	319	1

3012M-25

Inhex Sockets
Vasos con Punta Hexagonal

3012M.25 (mm)		D (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	25	30	10
17		19	25	30	10

4202

Drain Plug Keys Set
Juego de Llaves de Tapón de Vaciado

4202	7 Pieces 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

106

4-point / 6-point Male bits
Puntas Macho Cuadrado / Hexagonal

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

4102

Adaptor for 106 Drain Plug Key
Adaptador para llave de tapón de Vaciado 106

4102 (mm)		D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	1/2"	25	24	16	40	82	10

3400M-24

6-point Sockets
Vasos Hexagonales

3400M.24 (mm)		D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
27	3/8"	36.5	21.5	13.5	24	76	10
30		40	25	13.5	24	91	10
32		42.8	28	13.5	24	108	10
36		47.2	32	13.5	24	135	10

3400M.24 Series
For Oil Filter

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)	(pce.)
14	480	24.6	9	280	1

150-14H

Socket, For 154K
Vasos

150.14H (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10

145LH3/8F

Belt Tension Pulley Wrench

145LH3/8F (LH-S)		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.

LHstix® is a registered trademark of **OSG CORPORATION** System Engineering Department.
LHstix® es una marca registrada de **OSG CORPORATION** System Engineering Department.

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

Bit Socket Set
Juego de Vasos con Punta

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

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

Socket Set
Juego de Vasos

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

Extra Deep Socket
Extra deep socket can be used to fasten or loosen longer bolts such as Bumper bolt and Door hinge etc.

3350M/2-L120

Socket Set
Juego de Vasos

NUT GRIP®

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

Nut Grip Extra Deep Socket

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1212

Screwdriver Set
Destornilladores, juego de 4 piezas

168T (250)

Screwdrivers
Destornilladores

169/2

Door Trim Pad Tool, 2 pieces Set
Herramienta de Forro de Puerta, juego de 2 piezas

169

Door Trim Pad Tool
Herramienta de Forro de Puerta

169WM

Window Molding Remover
Extractor de Burletes de Ventana

169HR/2

Hose Remover, 2 pieces Set
Extractor de Mangueras, juego de 2 piezas

169HR

Hose Remover
Extractor de Mangueras

169BP

For Battery Screws

1212	4 Pieces Set/⚖=380g

PLASTIC BAG

Screwdrivers

168T(250)
20IPR

168T(250)
T20, T25, T30

Long shank Screw Screwdriver

168T(250) (IPR)	H (mm)	L (mm)	⚖ (g)	(pce.)
20IPR	250	350	85	1

168T(250) (T)	H (mm)	L (mm)	⚖ (g)	(pce.)
T20	250	350	85	1
T25	250	350	85	1
T30	250	360	120	1

169/2	2 Pieces Set/⚖=200g

PLASTIC BAG

Clip Handles

169
6, 10

169	H (mm)	L (mm)	⚖ (g)	(pcs.)
6	115	215	80	2
10	120	230	110	2

Trim Pad

Trim Clip

Clip Handle

	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

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4425-N

TORX® Sockets
For Nut/Low Profile Head Bolt

4425 (E)	⧄	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10N	1/2"	13.2	21	8.2	36	47	10
E12N		14.6	21	9.3	37	48	10
E14N		16.5	21	10.6	37	50	10
E16N		19	22	11.8	37	60	10
E18N		20.3	22	13	37	60	10
E20N		22.8	22	14.4	37	65	10

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

Engine type : QR/MR
Flywheel bolt for NISSAN : E20N

RS4425/6-N

Socket Set on Rail
Juego de Vasos en Regleta

13145A-150
14145A-150

Extra Long Sockets
Vasos Extra-Largos

thin

13145A.150 (inch)	⧄	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
9/16(D20)	3/8"	20	19	13	150	130	1	*1

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

14145A.150 (inch)	⧄	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
9/16(D20)	1/2"	20	25	13	150	200	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P254-255
For Land Rover Prop Shaft

13772
14772

Universal Double Joint
Articulación Universal

	⧄	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
New 13772-B	3/8"	22	19	75	120	5	*1
13772-P		22	19	75	120	5	*1
New 14772-B	1/2"	27	25	90	230	1	*2
14772-P		27	25	90	230	1	*2

*1 C-Ring=1301C,Pin/O-Ring=1301A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B ➡P254-255

UNIVERSAL DOUBLE JOINT

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

14305M

12-point Deep Sockets
Vasos Bihexagonales Largos

14305M (mm)	⧄	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
30	1/2"	42	30	30	63	85	457	10	*2
32		44.5	30	32	63	85	542	10	*2
36		49.5	30	36	61	85	635	2	*2

*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P254-255

4101 · 6101

Sockets for Slotted Heads
Vasos para Cabeza Ranurada

4101	⧄	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
1	1/2"	2.7×18.6	22	40	59	10
2		3.7×24	24	40	79	10
3		3.7×30	30	40	128	10

	⧄	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6101	3/4"	6.4×33.5	35	50	205	5

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4400M-DU

Rear Wheel Nut Socket

4400M	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
41DU	1/2"	53	45	15	28	240	5
46DU		59	48	15	28	280	5

4405M-DU

Rear Wheel Nut Socket

4405M	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
36DU	1/2"	47.3	41	15	28	200	5
55DU		71	52	16	31	410	5

6405A-MV

Rear Wheel Nut Socket

6405A	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
2.3/16MV	3/4"	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	1/2"	26	11.5	43	130	10
21		26	11.5	43	140	10
22		26	11.5	43	145	10
24		28	11.5	43	170	10
27		32	11.5	43	226	10

155 Tyre Lever
Llave de Neumáticos

	D (mm)	d (mm)	L (mm)	(g)	(pcs.)
155	22	10	170	100	10

For Motorcycles

104M 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

157H For Inhex Screws
Para Tornillos de Seis Lados en el Interior (Inhex)

157P For Phillips Screws
Para Tornillos Phillips

157T For TORX® Screws
Para Tornillos TORX®

157H (mm)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
3	160	100	57	1
4	200	120	70	1
5	250	160	90	1
6	300	190	147	1
8	300	190	245	1
10	300	190	433	1
12	320	210	662	1

157P (PH)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
2	200	180	84	1
3	300	180	189	1

157T (T)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
T25	250	180	95	1
T27	250	180	96	1
T30	250	180	167	1
T40	250	180	168	1
T45	250	180	213	1
T50	250	180	215	1

14201M
14145PM-110

Wheel Nut Sockets Set
Juego de Vasos para Rueda

Wheel Nut Sockets
Vasos para Rueda

thin

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.

14201M	3 Pieces Set/⚖⚖=690g

CARDBOARD BOX:W125×H95×T34mm

Sockets

14145PM.110 Impact Wheel Nut Sockets
17, 19, 21

14145PM.110 (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	Shaft Colour	⚖⚖ (g)	◇ (pcs.)	⏻
17	1/2"	23.7	25.2	21		208	5	*1
19		25.7	27.2	23		219	5	*1
21		27.5	29	25		226	5	*1
22		29	30.5	26		238	5	*1

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

Impact Wheel Nut Sockets-Extra Thin wall
Special design for wheel nut work.
-110mm length gives socket extra reach for nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts where access to nut is very tight.
-Blue (17mm), Red (19mm), Yellow (21mm) and White (22mm), colour coded shafts make size identification easy.
-Plastic insert helps prevent damaged to wheel nut.

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

198-17 : Spare Plastic Protector for 14145PM.110-17 : **10 pcs.**
198-19 : Spare Plastic Protector for 14145PM.110-19 : **10 pcs.**
198-21 : Spare Plastic Protector for 14145PM.110-21 : **10 pcs.**
198-22 : Spare Plastic Protector for 14145PM.110-22 : **10 pcs.**

280PM

Adaptor Socket for Low Profile Wheel Nut
Vaso Adaptador para tuercas de Llantas de perfil bajo

thin

ADAPTOR SOCKET

280PM (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	Shaft Colour	⚖⚖ (g)	◇ (pcs.)
19	25.7	27.2	13	19	52		150	5
21	27.5	29	13	21	55		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

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(L60) (mm)	◻	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
17	1/2"	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 (L110)

Wheel Nut Sockets (Long)
Vasos para Ruedas (Largos)

4300M(L110) (mm)	◻	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	1/2"	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.

4711X

Spinning Cross Wrench

FREE-TURN CROSS WRENCH

OVAL Shank

	◻	L_1 (mm)	L_2 (mm)	L_3 (mm)	(g)	(pce.)
4711X	1/2"	140	280	350	945	1

14118M

Wheel Nut Sockets, Double Ended
Vasos para Rueda, Dos Bocas

14118M (mm)		D (mm)	H1 (mm)	H2 (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)		D1 (mm)	D2 (mm)	H1 (mm)	H2 (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=1402C, Pin/O-Ring=1402A/B ➔P254-255

14113J

Impact Sockets with Plastic Stops for Hub Cap Screws
Vasos de Impacto con Topes de Plástico para Tornillos de Tapacubos

14113J (mm)		D1 (mm)	D2 (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=1402C, Pin/O-Ring=1402A/B ➔P254-255

14113M

For Hub Cap Screws
Para Tornillos de Tapacubos

14113M (mm)		D1 (mm)	D2 (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=1402C, Pin/O-Ring=1402A/B ➔P254-255

14124 Lock Nut Busters (Double Ended)
Tronzador de Tuercas (Dos Bocas)

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

14124/3 Lock Nut Busters (Double Ended) in set
Juego Tronzador de Tuercas (Dos Bocas)

14124/3	3 Pieces Set/=580g
CARDBOARD BOX:W125×H91×T43mm	
Sockets	**Accessory**
14124 21×24.5 26×27.5	**14760-75B**

14124 Lock Nut Busters
Tronzador de Tuercas

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=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➔P254-255

RS14124/7 Socket Set on Rail
Juego de Vasos en Regleta

RS14124/7	7 Pieces Set/Rail 250mm	(g)
18, 18.5, 19, 21, 24.5, 26, 27.5		980

KP14101

Torsion Bars (for tightening only)
Barras de Tosión (Solamente para apriete)

KP14101 (mm×Nm)	⧄	D (mm)	H (mm)	L (mm)	Shaft Colour	⚖ (g)	(pcs.)	
17×110Nm	1/2"	24	21	204		230	10	*1
19× 90Nm		26	24	259		250	10	*1
19×110Nm		26	24	213		240	10	*1
21×100Nm		28	27	215		255	10	*1
21×110Nm		28	27	216		250	10	*1
21×130Nm		28	27	207		305	10	*1

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

How to use Torsion Bar:

1. Use with a 1/2" Sq. Dr. Pneumatic impact wrench.
2. Set air pressure 0.6MPa, and set impact wrench dial Medium range.
3. Chose a suitable Torsion bar according to wheel nut size and indicated tightening torque.
4. Attach the torsion bar to impact wrench and apply load.
5. Check the actual tightening torque value with torque wrench.
6. Adjust air pressure or torque value according to the results of check 5.
7. Tight other wheel nut in diagonal order.

Torsion Bars

– Designed for tightening wheel nuts with an impact wrench.
– Prevent the excessive torque road.
– Colour coded shafts make size identification easy.

As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede varia según el estado de la llave de impacto, se recomienda utilizar una llave dinamométrica.

KP14101/6S

Display Stand
Expositor

KP14101/6S	6 Pieces Set/⚖=2,230g
DISPLAY STAND	
Torsion Bars	
KP14101 Impact Torsion Bars (Thin walled) 17×110Nm, 19×90Nm, 19×110Nm, 21×100Nm, 21×110Nm, 21×130Nm	

KP14101/6H

Metal-Wall-Hanger for Workshops
Colgador de Pared Metálico para Talleres

KP14101/6H	6 Pieces Set/⚖=2,230g
HANGER	
Torsion Bars	
KP14101 Impact Torsion Bars (Thin walled) 17×110Nm, 19×90Nm, 19×110Nm, 21×100Nm, 21×110Nm, 21×130Nm	

14112

Torsion Extension Bars (for tightening only)
Alargaderas de Torsión (solamente para apriete)

14112		D (mm)	L (mm)	(g)	(pce.)	
90NmP	1/2"	25	208	206	1	*1
95NmP		25	202	200	1	*1
100NmP		25	196	198	1	*1
110NmP		25	213	220	1	*1
120NmP		25	201	219	1	*1
140NmP		25	205	230	1	*1
170NmP		25	195	257	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡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	200	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	203	297	1	*1
19×135Nm		28.2	13	206	339	1	*1
19×170Nm		28.2	13	190	332	1	*1
21×100Nm		30.7	14	214	288	1	*1
21×120Nm		30.7	14	203	288	1	*1
22×160Nm		32	15	209	385	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡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=1600C, Pin/O-Ring=1601A/B ➡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=1801C, Pin/O-Ring=1801A/B ➡P254-255

As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Como el par puede varia 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)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)
41W×21W	3/4"	58	40	14	400	1880	1
32		48.5	40	32	400	1480	1
33		49.8	40	32	400	1500	1

8102M.400 (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)
41W×21W	1"	58	49.9	14	400	2610	1
32		48.5	49.9	32	400	2210	1
33		49.8	49.9	32	400	2220	1

⚠ 6102M/8102M are for hand use only. Do not use with a poweror impact wrench.

Extra long Socket for wheel nut

Combination type.
41W×21W

16102M-270・-400
18102M-270・-400

Extra long Sockets for Wheel Nuts
Vasos de Impact para Rueda Extra-largos

16102M.270 (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
24	3/4"	38.8	44	24	270	1034	1	*1
27		42.5	44	27	270	1088	1	*1
30		46.3	44	30	270	1144	1	*1
32		48.8	44	32	270	1157	1	*1
33		50	44	32	270	1200	1	*1
36		53.8	44	32	270	1250	1	*1
38		56.3	44	32	270	1610	1	*1
41		60	44	32	270	1640	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

16102M.400 (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
24	3/4"	38.8	44	24	400	1430	1	*1
27		42.5	44	27	400	1460	1	*1
30		46.3	44	30	400	1510	1	*1
32		48.8	44	32	400	1530	1	*1
33		50	44	32	400	1530	1	*1
36		53.8	44	32	400	2180	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

18102M.270 (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
23	1"	37.3	54	23	270	1627	1	*1
24		38.5	54	24	270	1628	1	*1
26		41	54	26	270	1667	1	*1
27		42.3	54	27	270	1680	1	*1
29		44.8	54	29	270	1680	1	*1
30		46	54	30	270	1680	1	*1
32		48.5	54	32	270	1680	1	*1
33		49.8	54	32	270	1700	1	*1
34		51	54	32	270	1750	1	*1
36		53.5	54	32	270	1750	1	*1
38		56	54	32	270	1822	1	*1
41		60	54	32	270	1800	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

18102M.400 (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
23	1"	37.3	54	23	400	1865	1	*1
24		38.5	54	24	400	1869	1	*1
26		41	54	26	400	1925	1	*1
27		42.3	54	27	400	2272	1	*1
29		44.8	54	29	400	2278	1	*1
30		46	54	30	400	2266	1	*1
32		48.5	54	32	400	2322	1	*1
33		49.8	54	32	400	2320	1	*1
34		51	54	32	400	2341	1	*1
36		53.5	54	32	400	2442	1	*1
38		56	54	32	400	2550	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

PW6
PW8

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

PW6 (mm×mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)	
32×17	3/4"	47	44	12	75	633	2	*1
35×17		50	44	13	75	673	2	*1
38×20		55	44	14	75	708	2	*1
41×19		58	44	14	80	840	2	*1
41×20		58	44	14	80	840	2	*1
41×21		58	44	14	80	831	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

PW8 (mm×mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)	
35×17	1"	50	54	13	83	935	2	*1
38×20		55	54	14	83	1038	2	*1
41×19		58	54	14	87	1100	2	*1
41×20		58	54	14	87	1096	2	*1
41×21		58	54	14	87	1089	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

Tightening / Loosening Outer Nut

Tightening / Loosening Inner Nut

SIZE	VEHICLE	
32 × 17	TOYOTA	(～2t)
35 × 17	NISSAN MITSUBISHI MAZDA ISUZU	(～3t) (～1t) (～2t) (～3.5t)
38 × 20	MITSUBISHI	(2～3.5t)

SIZE	VEHICLE	
41 × 19	MAZDA	(3～4t)
41 × 20	TOYOTA DAIHATSU HINO	(2t～) (2～3.5t) (2～3.5t)
41 × 21	NISSAN MITSUBISHI ISUZU HINO	(4t～) (2t～) (4t～) (4t～)

PW8P/4
PW8P

Socket set of Rear Wheel Nut Sockets
Juego de Vasos de Tuerca de Rueda Interna

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

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	

PW8P (mm×mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	Shaft Colour	(pcs.)	
35×17	1"	50	54	13	83	935		5	*1
38×20		55	54	14	83	1038		5	*1
41×19		58	54	14	87	1100		5	*1
41×21		58	54	14	87	1089		5	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

PW8L

Rear Wheel Nut Socket (long)
Vasos de Tuerca de Rueda Interna (largos)

PW8L (mm×mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	(pce.)	
41×21	1"	58	54	15	105	1263	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

PS6
PS8

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

PS6 (mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)	
17	3/4"	40	44	19	53	433	5	*1
19		40	44	19	53	419	5	*1
20		44	44	21	55	483	5	*1
21		44	44	23	57	491	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

PS8 (mm)	◻	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)	
17	1"	40	54	19	60	621	2	*1
19		43	54	19	60	648	2	*1
20		45	54	21	62	687	2	*1
21		45	54	23	64	696	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

14466A-200B
14488A-B · -200B

Adaptors
Adaptadores

No Warranty
Sin Garantía

	凹 (sq)	凸 (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=1402C, Pin/O-Ring=1402A/B ➡P254-255

(PW8P-41X21 + 14488A-200B + 1/2"SQ. Impact wrench)

14466A-B / 14488A-B
Impact Adaptors (凹1/2" SQ.→凸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)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
35×17	3/4"	52	44	10	90	865	1	*1
38×20		56	44	13	100	952	1	*1
41×19		59	44	12	100	1037	1	*1
41×21		59	44	15	100	963	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

18316M (mm×mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
35×17	1"	52	54	10	108	1153	1	*1
38×20		56	54	13	108	1133	1	*1
41×19		59	54	12	108	1200	1	*1
41×21		59	54	15	108	1155	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

16316A (inch×inch)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.1/2×13/16	3/4"	56	44	13	100	940	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

18316A (inch×inch)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.1/2×13/16	1"	59	54	13	108	1120	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

16317M · 16317A
18317M · 18317A

Rear Wheel Nut Sockets
Vasos de Tuerca de Rueda Interna

16317M (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
17	3/4"	40	44	22.5	67	485	1	*1
19		40	44	22.5	67	462	1	*1
20		44	44	22.5	67	517	1	*1
21		44	44	22.5	67	489	1	*1
22		44	44	22.5	67	482	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

18317M (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
17	1"	40	54	22.5	72	682	1	*1
17.5		40	54	22.5	72	677	1	*1
19		43	54	22.5	72	705	1	*1
20		45	54	22.5	72	723	1	*1
20.5		45	54	22.5	72	723	1	*1
21		45	54	22.5	72	703	1	*1
22		45	54	22.5	72	696	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

16317A (inch)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
13/16	3/4"	44	44	22.5	67	489	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B ➡P254-255

18317A (inch)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
13/16	1"	45	54	22.5	72	703	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B ➡P254-255

Construction

BD014E

12-point Nut Setters, Deep
Vasos Bihex para Apretar Tuercas, largos

FLAT DRIVE®

BD014E (mm)	D (mm)	H1 (mm)	H2 (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)	H1 (mm)	H2 (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)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.5	17	110	165	105	10
19(12P)	24.5	17	110	165	135	10
21(12P)	27	17	110	165	142	10

BD008E-300 · -500 · -700 (12P)

12-point Nut Setters, Extra Long
Vasos Bihex para Apretar Tuercas

BD008E.300 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.5	17	245	300	154	2
19(12P)	24.8	17	245	300	204	2
21(12P)	27.3	17	245	300	214	2

BD008E.500 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.5	17	445	500	223	2
19(12P)	24.8	17	445	500	293	2

BD008E.700 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.5	17	645	700	292	2

BD014XE (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8SF	13	12	49	90	40	10
10SF	15	12	49	90	46	10
12SF	17.5	14	48	90	54	10
13SF	18.5	14	48	90	58	10
14SF	19.8	14	47	90	64	10
17SF	23.5	14	46	90	81	10
19SF	25.5	14	46	90	100	10
21SF	28	14	46	90	123	10
24SF	31.5	14	45	90	137	10

BD014XE-SF

Surface Drive Nut Setters, Semi-Deep
Vasos semi-largos con Mango

SURFACE DRIVE

BD014E (mm)	D (mm)	H1 (mm)	H2 (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

BD014E-SF

Surface Drive Nut Setters
Vasos con Mango

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

BD011SE (mm)	D (mm)	H1 (mm)	H2 (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

BD011SE

12-point Universal Joint Nut Setters
Vasos Bihex para Apretar Tuercas con Articulación Universal

Colour Coded

Easy identification for the sizes.

Light Body Design

BD011SE, BD014E and BD014SE are designed 30% light weight for easy handling.

Dark Colour Chrome Plating

Surface treatment is Dark Colour Chrome Plating.
*except BD008E series

12 point Opening / Surface Drive Opening

Socket opening is designed to 12-point opening and surface drive opening to catch a bolt/nut easy.

IMPACT DRIVER SOCKET

BD003E-I

	D (mm)	L (mm)	(g)	(pcs.)
BD003E-I	25	70	95	10

BD013E

BD013E (mm)	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
12	17.8	12.5	63	105	69	10

BD017E

Wing Bolt Socket for Electric Drill
Vaso para Tuerca de Orejetas para Taladro eléctrico

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
BD017E	31	7.3	21	104	158	10

BD018

Wing Bolt Socket
Vaso para Tuerca de Orejetas

		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)	
BD018	3/8"	31	7.3	21	45	113	10	*2

*2 C-Ring=1302C, Pin/O-Ring=1401A/B ➡P254-255

3119

Wing Bolt Socket
Vaso para Tuerca de Orejetas

3119 (mm)		$T_1 \times T_2$ (mm)	D_1 (mm)	D_2 (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

Adaptor
Adaptador

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

Universal Adaptors
Adaptadores Universal

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-1/2

Adaptor (Quick Release)
Adaptador (Extracción Rápida)

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 · -110 · -150
123PG-65 · -110 · -150

Double ended Bits
Puntas Phillips, simétricas

Magnetic type

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

Drill Chuck Adaptor
Adaptador porta-brocas para Taladro

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

Drill Chuck Adaptor
Adaptador porta-brocas para Taladro

14184		D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)	
3/8×24UNF	1/2"	25	14.5	22	44	85	10	*1
1/2×20UNF		25	15.5	22	44	88	10	*1

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

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=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P254-255
*3 C-Ring=1600C, Pin/O-Ring=1601A/B

162E

Stud Setters
Vasos de Atornillar Espárragos

162E (mm)	D (mm)	L (mm)	⚖ (g)	◇ (pcs.)
10	28	66	107	10

162E (inch)	D (mm)	L (mm)	⚖ (g)	(pcs.)
1/4	23	66	83	10
5/16	23	66	82	10
3/8	28	66	107	10
1/2	28	66	108	10

*Renewal Kits → **162RK** ➡P307

142

Stud Setters
Vasos de Atornillar Espárragos

142 (inch)	L (mm)	⚖ (g)	(pce.)
5/16	190	304	1
3/8	190	361	1
1/2	190	354	1

141S

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

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

Stud Puller Ratchets
Extractores de Espárragos de Carraca

Stud Puller Ratchet (141S/141/141P)
The three roller system can protect the studs from damage.

El sistema de tres rodillos puede proteger los espárragos de cualquier daño

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

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

141P

Stud Puller Ratchets
Extractores de Espárragos de Carraca

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

1201

Stud Puller Ratchets Set
Juego de Extractores de Espárragos de Carraca

1201	4 Pieces Set/=973g

METAL CASE:W240×H100×T32mm

Pullers

141S Stud Puller Ratchets
6, 8, 10, 12

BD14400MJ

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=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡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

Stud Setters
Vasos para Atornillar Espárragos

HA001	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.25)	17.2	15	49	100	10
16(2.0)	21	18	52	125	10
20(2.5)	24.5	21	56	155	10
22(2.5)	26.5	27	61	175	10
24(3.0)	28	28	62	185	10

HA002-130 · -160

Socket for HA001
Vaso para HA001

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

Socket for HA001
Vaso para HA001

HA003.100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	100	155	10

HA004

HA004 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	31	16.5	58	91	10

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	1/2"	44.6	33	250	480	1

171B-1/2

Spud Handle Ratchet with Push Button(Long)
Llave de Carraca con Mango de Cola con Botón(larga)

	⧄	D (mm)	T (mm)	L (mm)	(g)	(pce.)
171B-1/2	1/2"	44.6	33	380	650	1

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 a cuerdo 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	1/4"	2749N/P/J	30	1
2753RK		2753N/P/J, 2753PS/PSKR, 2753P-160, 2774PS/JS, 2774N/P/J	30	1
2753BRK		2753NB/PB/JB	31	1
2749RK-3/8	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		3749SB	84	1
3753RK		3753N/P/J, 3753SM, 3753P-250, 3774N/P/J, 2774PS, 3774NL/PL/JL	84	1
3753BRK		3753NB/PB/JB, 3753SMB, 3774NB/PB/JB/JBL	76	1
3749SRK-1/2	1/2"	3749S-1/2	120	1
3749SBRK-1/2		3749SB-1/2	120	1
4749RK		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

1	Reversion Lever
2	Pin+Spring
3	Pawl
4	Sleeve
5	Square Drive
6	Cover Plate
7	Screw

		Products	(g)	(pce.)
3752RK	3/8"	3752N/J, 3757, 3776N/P/J	84	1
4752RK	1/2"	4752N/J	140	1

		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
3725RK		3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
4725RK	1/2"	4725Z	120	1

TORXPLUS® 6IP Screwdriver for 2725RK
TORXPLUS® 8IP Screwdriver for 3725RK
TORXPLUS® 10IP Screwdriver for 4725RK

1	Head
2	Ring
3	Retaining Ring

		Products	(g)	(pce.)
6752RK	3/4"	6752	600	1

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	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	Body
2	Pin
3	Coil Spring
4	Ball
5	Square Drive

		Products	(g)	(pce.)
2768RK	1/4"	2768N/P/J	40	1
6768RK	3/4"	6768, 6768-600, 6768-1000	98	1
8768RK	1"	8768, 8768-1000	137	1

1	Spring
2	Square Drive
3	Pin
4	Retaining Ring

		Products	(g)	(pce.)
3112RK	3/8"	3112N/J	106	1
4112RK	1/2"	4112N/J	116	1
6112RK	3/4"	6112	445	1

1	Body
2	Pin
3	Coil Spring
4	Ball
5	Square Drive
6	Coil Spring
7	Plunger

RENEWAL KIT FOR HINGE HANDLE

		Products	(g)	(pce.)
3768RK	3/8"	3768N-175/250/300, 3768P-250/380, 3768J-250	40	1
3768ZRK		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		4768Z-430	137	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	162N-5/16	1
3/8	162N-3/8	1
1/2	162N-1/2	1
10	162N-10	1

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)	φD								
3	1/8	2.5	2.5							
4		3	3							
4.5		3.5	3.5							
5	3/16	4	4							
5.5	7/32	4.5	4.5	4.5	4.5					
6	1/4	4.5	5	5	5					
7	9/32	6.2	6	5.5	6					
8	5/16	6.2	7	6	7	6	7			
9	11/32	8.3	8.3	7	8	7	8			
10	3/8	9.4	9	8	9	8	9			
11	7/16	10	10	9	10	9	10			
12		10	11	10	11	10	11			
13	1/2	11.5	12	11	12	11	12			
14	9/16	13	13	13.5	13.5	12	13			
15	19/32			13	14	13	14			
16	5/8			14	15	14	15			
17	21/32			15	16	15	16	15	16	
18	11/16			15	17	15	17	15	17	
19	3/4			16	18	18	18	16	18	
20	25/32			17	19	18	19	17	19	
21	13/16			18	20	18	20	18	20	
22	7/8			19	21	19	21	19	21	
23				20	22	20	22	20	22	
24	15/16			21	23	21	23	21	23	
25				22	24	22	24	22	24	
26	1			23	25	23	25	23	25	
27	1- 1/16				26	23	26	23	26	23
28						24	27	24	27	24
29	1- 1/8					24	28	24	28	24
30	1- 3/16					25	29	25	29	25
31						26	30	26	30	26
32	1- 1/4					27	31	27	31	27
33	1- 5/16					28	32	28	32	28
34						29	33	29	33	29
35	1- 3/8					30	34	30	34	30
36						31	35	31	35	31
37	1- 7/16					31	36	31	36	31
38	1- 1/2					32	37	32	37	32
39								32	38	32
40	1- 9/16							33	39	33
41	1- 5/8							34	40	34
42								34	41	34
43	1-11/16							35	42	35
44	1- 3/4							36	43	36
45								36	44	36
46	1-13/16							37	45	37
47								38	46	38
48	1- 7/8							38	47	38
	1-15/16							39	48	39
50	2							40	49	40
	2- 1/16							40		

Standard Socket

Deep Socket

SOCKET		1/4"	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)	φD								
4		3								
4.5	3/16	3								
5		4								
5.5		4								
6	1/4	5	5	5						
7	9/32	5	5	6						
8	5/16	6	6	7	6	7				
9	11/32	7	7	8	7	8				
10	3/8	8	8	9	8	9				
11	7/16	9	9	10	9	10				
12		10	10	11	10	11				
13	1/2	11	11	12	11	12				
14	9/16	12	12	13	12	13				
15			13	14	13	14				
16	5/8		14	15	14	15	14	15		
17	11/16		14	16	14	16	14	16		
18			15	17	15	17	15	17		
19	3/4		16	18	16	18	16	18	16	18
20			17	19	17	19	17	19	17	19
21	13/16		18	20	18	20	18	20	18	20
22	7/8		19	21	19	21	19	21	19	21
23			20		20	22	20	22	20	22
24	15/16		20		21	23	21	23	21	23
25	1				22	24	22	24	22	24
26					23	25	23	25	23	25
27	1- 1/16				23	26	23	26	23	26
28					23	27	24	27	24	27
29	1- 1/8				23	28	25	28	25	28
30	1- 3/16				23	29	26	29	26	29
31					23	30	27	30	27	30
32	1- 1/4				23	31	28	31	28	31
33					25	32	29	32	29	32
34	1- 5/16				25	33	30	33	30	33
35	1- 3/8				25	34	31	34	31	34
36					28	35	32	35	32	35
37	1- 7/16						32	36	32	36
38	1- 1/2						34	37	34	37
40	1- 9/16						34	39	34	39
41	1- 5/8						35	40	35	40
42	1-11/16						35	41	35	41
45	1- 3/4						35	44	35	44
46	1-13/16						40	45	40	45
47							40	46		
	1- 7/8						40	47		

Equivalent Standard Bolt Diameters

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

Socket Opening		Metric sizes												American sizes																	English sizes		
		SW	Thread diameters												Thread diameters																Thread Diam		
			ISO R272-1968		German Standard				French Standard	Swedish Standards					ISO R272-1962																W	BS	
					metric													Nomal Series		Heavy Series		Nuts			Bolts and Screws				Nuts				
minimum dimension 1)	maximum dimension 2)	nominal size of wrench mm	standard hexagon	small hexagon	DIN.....2)	DIN561+564	DIN6914+6915	Danish Stand DS 17	NFE 27-111-19303	Metric large SMS 1412	Metric small SMS 1414	Whitworth large SMS 1413	Whitworth small SMS 1415	Nominal Size of Wrench	Bolts	Nuts	Actual A/F	Bolts	Nuts	Bolts	Nuts	a Normal	b Square	c Heavy	d Normal	e Heavy	f Machine Screws	g Set Screws Square	h Machine Screw Nuts	Whitworth Large	BS 916, 1953 and BS 1083, 1968, 1965	Width across flats inch
2.52	2.58	2.5			1																												
3.02	3.08	3			1.2+1.4																												
3.22	3.28	3.2	1.6		1.6																												
3.23	3.35													1/8	No2												No2+3						
3.52	3.60	3.5			1.7																												
4.01	4.14													5/32		No0+1													No0+1				
4.02	4.12	4	2		2				2.5		2.3																						
4.52	4.62	4.5			2.3						2.6																						
4.83	4.95													3/16	No3.4+5	No2+3	19										No4+5	No10	No2+3				
5.02	5.12	5	2.5		2.5+2.6				3		3																						
5.21	5.33													13/64																			
5.52	5.62	5.5	3		3																												
5.59	5.72													7/32														No12					
6.00	6.13													15/64																			
6.03	6.15	6			3.5				3.5	3	3.5																						
6.40	6.53													1/4	No6+8	No4	25										No6+8	1/4	No4				
6.60	6.70																													1/16		.256
6.82	6.97													17/64																			
7.03	7.15	7	4		4				4+4.5	3.5	4																						
7.19	7.32													9/32											No10								
7.60	7.70																													3/32		.297
7.62	7.77													19/64																			
8.03	8.18													5/16	No10+12	No5+6	31										No10+12	5/16	No5+6				
8.03	8.15	8	5		5	6			5	4	5																						
8.41	8.56													21/64																			
8.70	8.80																													1/8	3/16	.340
8.81	8.97													11/32		No8	34												No8				
9.03	9.15	9			6				5.5	5																							
9.60	9.75													3/8		No10	38								※1/4		1/4	3/8	No10				
10.04	10.19	10	6		6	8			6		6																						
10.39	10.55													13/32																			
11.04	11.19	11	7		7			1/4		6	7		1/4																				
11.18	11.33													7/16	1/4	No12.1/4	44	1/4	1/4			1/4	1/4		1/4			7/16	No12.1/4				
11.38	11.45																													3/16	1/4	.445
11.99	12.14													15/32																			
12.04	12.24	12		8					7		8																						
12.80	12.95													1/2	5/16	5/16	50	5/16	5/16		1/4	5/16		1/4	5/16		5/16	1/2					
13.04	13.24	13	8		8	10						1/4	5/16																				
13.44	13.54																													1/4	5/16	.525
13.60	13.77													17/32																			
14.05	14.27	14		10	8※)			5/16	8	8																							
14.38	14.55													9/16	3/8	3/8	56	3/8	3/8		5/16	3/8	5/16	5/16	3/8		3/8	9/16	5/16				
15.05	15.27	15			10※)						10	5/16	3/8																				
15.18	15.36													19/32																			
15.34	15.44																													5/16	3/8	.600
15.98	16.15													5/8	7/16		62	7/16					3/8		7/16			5/8	3/8				
16.05	16.27	16	Spark plug M10x1.0						9																								
16.77	16.95													21/32																			
17.05	17.30	17	10	12	10	12		3/8	10	10																							
17.58	17.75													11/16		7/16	69		7/16		3/8	7/16		3/8									
18.05	18.30	18	Spark plug M12x1.25								12	3/8	7/16																				
18.16	18.29																													3/8	7/16	.710
19.06	19.36	19	12	14	12	16		7/16	11																								
19.18	19.38													3/4	1/2	1/2	75	1/2	1/2		7/16	1/2	7/16	7/16	1/2			3/4					
19.97	20.17													25/32																			
20.06	20.36	20																															
20.78	20.98													13/16	9/16		81	9/16					1/2		9/16								
20.86	21.16	20.8	Spark plug M14x1.25																														
20.95	21.08																													7/16	1/2	.820
21.06	21.36	21							12		14	7/16	1/2																				
22.06	22.36	22	14	16	14		12	1/2		12+14																							
22.35	22.56													7/8		9/16	88		9/16	1/2	1/2	9/16	9/16	1/2				7/8					
23.06	23.36	23							14			1/2																					
23.52	23.67																													1/2	9/16	.920
23.98	24.21													15/16	5/8	5/8	94	5/8	5/8			5/8		9/16	5/8								
24.06	24.36	24	16	18	16	20					16		5/8																				
24.76	24.99													31/32																			
25.06	25.36	25																															
25.55	25.78													1			100						5/8					1					
25.81	25.96																													9/16	5/8	1.010
26.08	26.48	26	Spark plug M18x1.5																														
27.08	27.48	27	18	20	18		16	5/8		16	18																						
27.13	27.36													1 1/16			106			5/8	5/8			5/8									
28.12	28.30																													5/8	11/16	1.100
28.08	28.48	28										5/8	3/4																				
28.75	29.01													1 1/8	3/4	3/4	112	3/4	3/4			3/4	3/4		3/4			1 1/8					
29.08	29.48	29							18																								
30.08	30.48	30	20	22	20	24					20																						
30.34	30.59													1 3/16																			
30.66	30.84																													11/16	3/4	1.200
31.93	32.18													1 1/4			125			3/4	3/4			3/4				1 1/4					
32.08	32.48	32	22	24	22		20	3/4	20	18+20	22																						
33.08	33.48	33										3/4	7/8																				
33.22	33.43																													3/4	7/8	1.300
33.53	33.81													1 5/16	7/8	7/8	131	7/8	7/8			7/8	7/8		7/8								
34.08	34.48	34									24																						
35.10	35.60	35							22																								
35.13	35.41													1 3/8														1 3/8					
35.51	35.71																													13/16	15/16	1.390
36.10	36.60	36	24	27	24	30	22	7/8		22+24																							

Equivalent Standard Bolt Diameters

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

Socket Opening		Metric sizes											American sizes																English sizes		
		SW	Thread diameters											Thread diameters															Thread Diam		
			ISO R272-1968		German Standard				French Standard	Swedish Standards				ISO R272-1962															W	BS	
					metric												Nomal Series		Heavy Series		Nuts			Bolts and Screws				Nuts			
minimum dimension 1)	maximum dimension 2)	nominal size of wrench mm	standard hexagon	small hexagon	DIN.....2)	DIN561+564	DIN6914+6915	Danish Stand DS 17	NFE 27-111-19303)	Metric large SMS 1412	Metric small SMS 1414	Whitworth large SMS 1413	Whitworth small SMS 1415	Nominal Size of Wrench	Bolts	Nuts	Actual A/F	Bolts	Nuts	Bolts	Nuts	Normal a	Square b	Heavy c	Normal d	Heavy e	Machine Screws f	Set Screws Square g	Machine Screw Nuts h	Whitworth Large	BS 916, 1953 and BS 1083, 1968, 1965	Width across flats inch
36.73	37.01													1 7/16			144			7/8	7/8			7/8		7/8						
37.10	37.60	37										7/8	1																			
37.82	38.05																													7/8	1	1.480
38.10	38.60	38							24																							
38.30	38.61													1 1/2	1	1	150	1	1			1	1		1			1 1/2				
39.89	40.20													1 9/16																		
40.36	40.59																													15/16	1 1/16	1.580
41.10	41.60	41	27	30	27		24	1		27																						
41.50	41.81													1 5/8			162			1	1			1		1						
42.10	42.60	42							27			1	1 1/8																			
42.67	42.93																													1	1 1/8	1.670
43.08	43.38													1 11/16	1 1/8	1 1/8	169	1 1/8	1 1/8			1 1/8	1 1/8		1 1/8							
44.70	45.03													1 3/4																		
46.10	46.60	46	30	33	30	36	27	1 1/8	30	30																						
46.28	46.61													1 13/16			181			1 1/8	1 1/8			1 1/8		1 1/8						
47.10	47.60	47										1 1/8	1 1/4																			
47.52	47.80																													1 1/8	1 1/4	1.860
47.88	48.21													1 7/8	1 1/4	1 1/4	188	1 1/4	1 1/4			1 1/4	1 1/4		1 1/4							
50.10	50.60	50	33	36	33			1 1/4	33	33																						
51.08	51.44													2			200			1 1/4	1 1/4			1 1/4		1 1/4						
52.10	52.60	52										1 1/4	1 3/8																			
52.37	52.68																													1 1/4	1 3/8	2.050
52.68	53.04													2 1/16	1 3/8	1 3/8	206	1 3/8	1 3/8			1 3/8	1 3/8		1 3/8							
54.12	54.72	54							36																							
54.25	54.61													2 1/8																		
55.12	55.72	55	36	39	36	42		1 3/8		36																						
55.88	56.26													2 3/16			219			1 3/8	1 3/8			1 3/8		1 3/8						
56.12	56.72	56										1 3/8	1 1/2																			
56.72	57.05																													1 3/8	1 1/2	2.220
57.45	57.84													2 1/4	1 1/2	1 1/2	225	1 1/2	1 1/2			1 1/2	1 1/2		1 1/2							
58.12	58.72	58							39																							
60.12	60.72	60	39		39			1 1/2		39		1 1/2	1 5/8																			
60.66	61.06													2 3/8			238			1 1/2	1 1/2			1 1/2		1 1/2						
61.57	61.92																													1 1/2	1 5/8	2.410
62.23	62.64													2 7/16												1 5/8						
63.12	63.72	63							42																							
63.83	64.24													2 1/2																		
65.12	65.72	65	42		42	48		1 3/8		42		1 5/8	1 3/4																			
65.43	65.86													2 9/16			256							1 5/8		1 5/8						
65.91	66.29																													1 5/8	1 3/4	2.580
67.03	67.46													2 5/8	1 3/4	1 3/4	262	1 3/4	1 3/4						1 3/4							
67.12	67.72	67							45																							
70.12	70.72	70	45		45			1 3/4		45		1 3/4	1 7/8																			
70.26	70.69													2 3/4			275			1 3/4	1 3/4			1 3/4		1 3/4						
70.51	70.92																													1 3/4	2	2.760
71.12	71.72	71							48																							
71.81	72.26													2 13/16											1 7/8							
75.03	75.51													2 15/16			294							1 7/8		1 7/8						
75.15	75.85	75	48		48	56		1 7/8		48		1 7/8	2																			
76.61	77.09													3	2	2	300	2	2						2							
77.15	77.85	77							52																							
79.81	80.31													3 1/8			312			2	2			2		2						
80.15	80.85	80	52		52			2	52		2																					
80.47	80.92																													2	2 1/4	3.150
82.15	82.85	82							56																							
85.15	85.85	85	56		56			2 1/4																								
86.18	86.72													3 3/8											2 1/4							
88.15	88.85	88							60																							
89.36	89.92													3 1/2										2 1/4		2 1/4						
90.15	90.85	90	60		60																											
90.60	91.00																														2 1/2	3.550
94.15	94.85	94							64																							
95.15	95.85	95	64		64			2 1/2																								
95.76	96.34													3 3/4											2 1/2							
98.93	99.52													3 7/8										2 1/2		2 1/2						
99.20	99.60																														2 3/4	3.890
100.15	100.85	100	68		68				68																							
105.20	106.00	105	72		72			2 3/4	72																							
105.33	105.67													4 1/8										2 3/4								
106.60	107.00																														3	4.180
108.51	109.14													4 1/4										2 3/4								
110.20	111.00	110	96		76			3	76																							
114.91	115.57													4 1/2											3							
115.20	116.00	115	80		80																											
116.20	117.00	116							80																							
118.08	118.77													4 5/8										3		3						
120.20	121.00	120	85		85			3 1/4																								

1) max-min, dimensions for metric sizes according to DIN 475/2, series 1
2) DIN 439, 555, 601, 609, 610, 917, 931, 933, 934, 935, 936, 937, 960, 961, 979, 980, 985, 986, 1587, 2510/5, 6330, 6331, 7513, 7964, 7967, 7968, 7976, 7990
3) NFE 27-311 is identical to ISO R 272 since Oct.1969
4) Standards prior to 1966
5) Only applicable to Motor industry(M 10 acc.to DIN 70 613 through 70 618)
6) Standards prior to 1963

a) Hex Flat and Hex Flat Jam Nuts
Hex Nuts and Hex Jam Nuts
Hex Slotted Nuts
Hex Thick Nuts
Hex Thick Slotted Nuts
Hex Castle Nuts
b) Square Nuts
c) Heavy Square Nuts
Heavy Hex Flat Nuts
Heavy Hex Flat Jam Nuts
Heavy Hex Nuts
Heavy Hex Jam Nuts
Heavy Hex Slotted Nuts

ANSI B 18.2.2-1972

d) Square Bolts
Hex Bolts
Hex Cap Screws
Lag Screws
e) Heavy Hex Bolts
Heavy Hex Structual Bolts
Heavy Hex Screws

ANSI B 18.2.1-1972

f) ANSI B 18.6.3-1962
g) ANSI B 18.6.2-1956
h) ANSI B 18.6.3-1962
※ Square Bolt and Lag Screw only

Screw dimension	Hexagon Head Bolt			Hexagon Socket Head Cap Screws			TORX		TORXPLUS		Triple Square	LHSTIX	Ref.) Standard Tightning Torque (Nm)				
	Standard	Compact	High Strength	Standard	Button Head / Shoulder Head	Hexagon Socket Set Serews	T	E	IP	EP [EPL]	XZN	LH-S [LH-SS]	Grade 4.6	Grade 6.8	Grade 8.8	Grade 10.9	Grade 12.9
M2	4			1.5		0.9	T6/T8		6IP				0.12	0.24	0.32	0.45	0.54
M2.5	5			2		1.3	T8		8IP		M3		0.25	0.49	0.65	0.92	1.1
M3	5.5			2.5	2	1.5	T10	E4	8IP/10IP	4EP	M3		0.43	0.87	1.16	1.63	1.96
M3.5	(6)						T15		10IP/15IP				0.68	1.37	1.82	2.56	3.08
M4	7			3	2.5	2	T20/T25	E5	15IP/20IP	5EP	M4	LH4S	1.01	2.02	2.7	3.79	4.54
M5	8			4	3	2.5	T25/T27	E6	20IP/25IP /27IP	6EP [8EPL]	M5	LH5S	2.04	4.09	5.47	7.67	9.18
M6	10			5	4	3	T30	E8	27IP/30IP	8EP [10EPL]	M6	LH6S	3.47	6.97	9.27	13	15.6
M7	11						T40	E8	40IP	8EP [12EPL]			5.85	11.6	15.5	21.8	26.2
M8	13	(12)		6	5	4	T40/T45	E10	40IP/45IP	10EP [14EPL]	M8	LH8S	8.41	16.9	22.5	31.6	37.9
M10	16 (17)	(14)		8	6	5	T50	E12	45IP/50IP	12EP [16EPL]	M10	LH10S [LH8SS]	16.7	33.4	44.5	62.6	75.2
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	55IP	14EP [20EPL]	M12	LH12S [LH10SS]	29.1	58.3	77.6	109	131
M14	21 (22)	(19)		12			T55/T60	E14/E18	55IP/60IP	18EP [24EPL]	M14	LH14S [LH12SS]	46.4	92.7	124	174	209
M16	24	(22)	27	14	10	8	T60/T70	E16/E20	60IP/70IP	20EP [26EPL]	M16	LH16S [LH14SS]	72.3	145	194	271	325
M18	27	(24)		(14)			T70/T80	E24	80IP	24EP [30EPL]	M18		100	199	266	373	447
M20	30 (32)	(27/29)	32	17	12	10	T80/T90	E24	90IP	24EP [32EPL]			141	282	376	529	635
M22	34 (32/35)	(30/32)	36	(17)			T90/T100	E28	100IP	24EP [36EPL]			192	384	511	720	865
M24	36 (38)	(32/35)	41	19		12	T100	E32	100IP	32EP [40EPL]			244	488	650	915	1100
M27	41	(36)	46	(19)				E32		32EP			358	713	951	1340	1610
M30	46	(41)	50	22				E36		36EP			484	971	1290	1820	2180
M33	50	(46)		(24)				E40		40EP			661	1320	1760	2470	2970
M36	55 (54)	(50)		27				E44		44EP			848	1690	2260	3180	3810
M39	60 (58)	(55)		(27)									1100	2190	2920	4110	4930
M42	65 (63)			32									1350	2710	3610	5080	6080
M45	70 (67)			(32)									1700	3400	4540	6370	7630
M48	75 (71)			36									2030	4060	5440	7620	9120
M52	80 (77)			(36)									2640	5290	7040	9880	11800
M56	85			41									3270	6560	8710	12300	14800
M60	90												4080	8180	10900	15300	18300
M64	95			46									4930	9890	13100	18500	22300
M68	(100)												5970	12000	16000	22500	27000

*Reference: Hexagon Head Bolt: ISO 4014-4018, 8676, 8768
High Strength Hexagon Bolt: JIS B 1196
Hexagon Socket Head Cap Screws: ISO 7380
Hexagon Socket Button Head Screws: ISO 7380
Hexagon Socket Set Screws: ISO 4026-4029
TORX T/E: TORX Standard TMH series
TORXPLUS IP/EP: TORXPLUS Standard CMH series
Triple Square: DIN 2324/2325
LHSTIX LH-S/SS: LH-S/SS Standard

* Standard Tightening Torque: Calculated based on Torque Coefficient (K): 0.2
Axial Force (Ff) : 60% of Proof Strength(σ)

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TORX®/TORXplus® BITS

		S1 (mm)	S2 (mm)
T6	6IP	1.7	1.2
T7	7IP	2.0	1.4
T8	8IP	2.3	1.7
T9	9IP	2.5	1.8
T10	10IP	2.7	2.0
T15	15IP	3.3	2.3
T20	20IP	3.9	2.8
T25	25IP	4.5	3.2
T27	27IP	5.0	3.6
T30	30IP	5.6	4.0
T40	40IP	6.7	4.8
T45	45IP	7.9	5.6
T50	50IP	8.9	6.2
T55	55IP	11.3	8.0
T60	60IP	13.3	9.5
T70	70IP	15.6	11.1
T80	80IP	17.6	12.7
T90	90IP	20.0	14.2
T100	100IP	22.2	15.8

TORX®/TORXplus® SOCKETS

		S1 (mm)	S2 (mm)
E4	4EP	3.7	2.7
E5	5EP	4.6	3.3
E6	6EP	5.6	4.0
E7	7EP	6.1	4.3
E8	8EP	7.4	5.3
E10	10EP	9.3	6.8
E11	11EP	9.9	7.1
E12	12EP	11.0	7.9
E14	14EP	12.8	9.2
E16	16EP	14.6	10.5
E18	18EP	16.5	11.9
E20	20EP	18.3	13.2
E22	22EP	20.1	14.8
E24	24EP	22.0	15.7
E26	26EP	23.7	17.5
E28	28EP	25.5	18.3
E30	30EP	27.3	20.0
E32	32EP	29.0	21.3

TORXplus® With Hole BITS

	S1 (mm)	S2 (mm)
8IPR	2.2	2.0
9IPR	2.4	2.2
10IPR	2.6	2.4
15IPR	3.1	2.8
20IPR	3.6	3.3
25IPR	4.1	3.8
27IPR	4.7	4.3
30IPR	5.2	4.8
40IPR	6.3	5.7
45IPR	7.4	6.7
50IPR	8.4	7.6
55IPR	10.6	9.7

LHstix® (LH-S) SOCKETS

	S1 (mm)	S2 (mm)
LH3S	3.8	4.7
LH4S	4.5	6.0
LH5S	5.6	7.5
LH6S	6.8	9.0
LH7S	7.9	10.5
LH8S	9.0	12.0
LH10S	11.3	15.0
LH12S	13.6	18.0
LH14S	15.8	21.0
LH16S	18.1	24.0

XZN BITS

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

Ribe CV BITS

	W (mm)	S1 (mm)	S2 (mm)
M5	1.2	5.0	3.8
M6	1.3	6.0	4.5
M7	1.4	7.0	5.0
M8	1.8	8.0	6.0
M9	2.0	9.0	7.1
M10	2.3	10.0	7.4
M12	2.6	12.0	9.0
M13	3.1	13.0	11.0
M14	3.2	14.0	10.4
M16	3.6	16.0	11.9

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Conversion Table: American Inches-Decimal Inches-Millimeter

in	dec.in.	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
		Millimeter(mm)											
	0	0	25.4000	50.8000	76.2000	101.6000	127.0000	152.4000	177.8000	203.2000	228.6000	254.0000	279.4000
1/64	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
1/32	0.03125	0.7938	26.1938	51.5938	76.9938	102.3938	127.7938	153.1938	178.5938	203.9938	229.3938	254.7938	280.1938
3/64	0.04688	1.1906	26.5906	51.9906	77.3906	102.7906	128.1906	153.5906	178.9906	204.3906	229.7906	255.1906	280.5906
1/16	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	230.1875	255.5875	280.9875
5/64	0.07813	1.9844	27.3844	52.7844	78.1844	103.5844	128.9844	154.3844	179.7844	205.1844	230.5844	255.9844	281.3844
3/32	0.09375	2.3813	27.7813	53.1813	78.5813	103.9813	129.3813	154.7813	180.1813	205.5813	230.9813	256.3813	281.7813
7/64	0.10938	2.7781	28.1781	53.5781	78.9781	104.3781	129.7781	155.1781	180.5781	205.9781	231.3781	256.7781	282.1781
1/8	0.12500	3.1750	28.5750	53.9750	79.3750	104.7750	130.1750	155.5750	180.9750	206.3750	231.7750	257.1750	282.5750
9/64	0.14063	3.5719	28.9719	54.3719	79.7719	105.1719	130.5719	155.9719	181.3719	206.7719	232.1719	257.5719	282.9719
5/32	0.15625	3.9688	29.3688	54.7688	80.1688	105.5688	130.9688	156.3688	181.7688	207.1688	232.5688	257.9688	283.3688
11/64	0.17188	4.3656	29.7656	55.1656	80.5656	105.9656	131.3656	156.7656	182.1656	207.5656	232.9656	258.3656	283.7656
3/16	0.18750	4.7625	30.1625	55.5625	80.9625	106.3625	131.7625	157.1625	182.5625	207.9625	233.3625	258.7625	284.1625
13/64	0.20313	5.1594	30.5594	55.9594	81.3594	106.7594	132.1594	157.5594	182.9594	208.3594	233.7594	259.1594	284.5594
7/32	0.21875	5.5563	30.9563	56.3563	81.7563	107.1563	132.5563	157.9563	183.3563	208.7563	234.1563	259.5563	284.9563
15/64	0.23438	5.9531	31.3531	56.7531	82.1531	107.5531	132.9531	158.3531	183.7531	209.1531	234.5531	259.9531	285.3531
1/4	0.25000	6.3500	31.7500	57.1500	82.5500	107.9500	133.3500	158.7500	184.1500	209.5500	234.9500	260.3500	285.7500
17/64	0.26563	6.7469	32.1469	57.5469	82.9469	108.3469	133.7469	159.1469	184.5469	209.9469	235.3469	260.7469	286.1469
9/32	0.28125	7.1438	32.5438	57.9438	83.3438	108.7438	134.1438	159.5438	184.9438	210.3438	235.7438	261.1438	286.5438
19/64	0.29688	7.5406	32.9406	58.3406	83.7406	109.1406	134.5406	159.9406	185.3406	210.7406	236.1406	261.5406	286.9406
5/16	0.31250	7.9375	33.3375	58.7375	84.1375	109.5375	134.9375	160.3375	185.7375	211.1375	236.5375	261.9375	287.3375
21/64	0.32813	8.3344	33.7344	59.1344	84.5344	109.9344	135.3344	160.7344	186.1344	211.5344	236.9344	262.3344	287.7344
11/32	0.34375	8.7313	34.1313	59.5313	84.9313	110.3313	135.7313	161.1313	186.5313	211.9313	237.3313	262.7313	288.1313
23/64	0.35938	9.1281	34.5281	59.9281	85.3281	110.7281	136.1281	161.5281	186.9281	212.3281	237.7281	263.1281	288.5281
3/8	0.37500	9.5250	34.9250	60.3250	85.7250	111.1250	136.5250	161.9250	187.3250	212.7250	238.1250	263.5250	288.9250
25/64	0.39063	9.9219	35.3219	60.7219	86.1219	111.5219	136.9219	162.3219	187.7219	213.1219	238.5219	263.9219	289.3219
13/32	0.40625	10.3188	35.7188	61.1188	86.5188	111.9188	137.3188	162.7188	188.1188	213.5188	238.9188	264.3188	289.7188
27/64	0.42188	10.7156	36.1156	61.5156	86.9156	112.3156	137.7156	163.1156	188.5156	213.9156	239.3156	264.7156	290.1156
7/16	0.43750	11.1125	36.5125	61.9125	87.3125	112.7125	138.1125	163.5125	188.9125	214.3125	239.7125	265.1125	290.5125
29/64	0.45313	11.5094	36.9094	62.3094	87.7094	113.1094	138.5094	163.9094	189.3094	214.7094	240.1094	265.5094	290.9094
15/32	0.46875	11.9063	37.3063	62.7063	88.1063	113.5063	138.9063	164.3063	189.7063	215.1063	240.5063	265.9063	291.3063
31/64	0.48438	12.3031	37.7031	63.1031	88.5031	113.9031	139.3031	164.7031	190.1031	215.5031	240.9031	266.3031	291.7031
1/2	0.50000	12.7000	38.1000	63.5000	88.9000	114.3000	139.7000	165.1000	190.5000	215.9000	241.3000	266.7000	292.1000
33/64	0.51563	13.0969	38.4969	63.8969	89.2969	114.6969	140.0969	165.4969	190.8969	216.2969	241.6969	267.0969	292.4969
17/32	0.53125	13.4938	38.8938	64.2938	89.6938	115.0938	140.4938	165.8938	191.2938	216.6938	242.0938	267.4938	292.8938
35/64	0.54688	13.8906	39.2906	64.6906	90.0906	115.4906	140.8906	166.2906	191.6906	217.0906	242.4906	267.8906	293.2906
9/16	0.56250	14.2875	39.6875	65.0875	90.4875	115.8875	141.2875	166.6875	192.0875	217.4875	242.8875	268.2875	293.6875
37/64	0.57813	14.6844	40.0844	65.4844	90.8844	116.2844	141.6844	167.0844	192.4844	217.8844	243.2844	268.6844	294.0844
19/32	0.59375	15.0813	40.4813	65.8813	91.2813	116.6813	142.0813	167.4813	192.8813	218.2813	243.6813	269.0813	294.4813
39/64	0.60938	15.4781	40.8781	66.2781	91.6781	117.0781	142.4781	167.8781	193.2781	218.6781	244.0781	269.4781	294.8781
5/8	0.62500	15.8750	41.2750	66.6750	92.0750	117.4750	142.8750	168.2750	193.6750	219.0750	244.4750	269.8750	295.2750
41/64	0.64063	16.2719	41.6719	67.0719	92.4719	117.8719	143.2719	168.6719	194.0719	219.4719	244.8719	270.2719	295.6719
21/32	0.65625	16.6688	42.0688	67.4688	92.8688	118.2688	143.6688	169.0688	194.4688	219.8688	245.2688	270.6688	296.0688
43/64	0.67188	17.0656	42.4656	67.8656	93.2656	118.6656	144.0656	169.4656	194.8656	220.2656	245.6656	271.0656	296.4656
11/16	0.68750	17.4625	42.8625	68.2625	93.6625	119.0625	144.4625	169.8625	195.2625	220.6625	246.0625	271.4625	296.8625
45/64	0.70313	17.8594	43.2594	68.6594	94.0594	119.4594	144.8594	170.2594	195.6594	221.0594	246.4594	271.8594	297.2594
23/32	0.71875	18.2563	43.6563	69.0563	94.4563	119.8563	145.2563	170.6563	196.0563	221.4563	246.8563	272.2563	297.6563
47/64	0.73438	18.6531	44.0531	69.4531	94.8531	120.2531	145.6531	171.0531	196.4531	221.8531	247.2531	272.6531	298.0531
3/4	0.75000	19.0500	44.4500	69.8500	95.2500	120.6500	146.0500	171.4500	196.8500	222.2500	247.6500	273.0500	298.4500
49/64	0.76563	19.4469	44.8469	70.2469	95.6469	121.0469	146.4469	171.8469	197.2469	222.6469	248.0469	273.4469	298.8469
25/32	0.78125	19.8438	45.2438	70.6438	96.0438	121.4438	146.8438	172.2438	197.6438	223.0438	248.4438	273.8438	299.2438
51/64	0.79688	20.2406	45.6406	71.0406	96.4406	121.8406	147.2406	172.6406	198.0406	223.4406	248.8406	274.2406	299.6406
13/16	0.81250	20.6375	46.0375	71.4375	96.8375	122.2375	147.6375	173.0375	198.4375	223.8375	249.2375	274.6375	300.0375
53/64	0.82813	21.0344	46.4344	71.8344	97.2344	122.6344	148.0344	173.4344	198.8344	224.2344	249.6344	275.0344	300.4344
27/32	0.84375	21.4313	46.8313	72.2313	97.6313	123.0313	148.4313	173.8313	199.2313	224.6313	250.0313	275.4313	300.8313
55/64	0.85938	21.8281	47.2281	72.6281	98.0281	123.4281	148.8281	174.2281	199.6281	225.0281	250.4281	275.8281	301.2281
7/8	0.87500	22.2250	47.6250	73.0250	98.4250	123.8250	149.2250	174.6250	200.0250	225.4250	250.8250	276.2250	301.6250
57/64	0.89063	22.6219	48.0219	73.4219	98.8219	124.2219	149.6219	175.0219	200.4219	225.8219	251.2219	276.6219	302.0219
29/32	0.90625	23.0188	48.4188	73.8188	99.2188	124.6188	150.0188	175.4188	200.8188	226.2188	251.6188	277.0188	302.4188
59/64	0.92188	23.4156	48.8156	74.2156	99.6156	125.0156	150.4156	175.8156	201.2156	226.6156	252.0156	277.4156	302.8156
15/16	0.93750	23.8125	49.2125	74.6125	100.0125	125.4125	150.8125	176.2125	201.6125	227.0125	252.4125	277.8125	303.2125
61/64	0.95313	24.2094	49.6094	75.0094	100.4094	125.8094	151.2094	176.6094	202.0094	227.4094	252.8094	278.2094	303.6094
31/32	0.96875	24.6063	50.0063	75.4063	100.8063	126.2063	151.6063	177.0063	202.4063	227.8063	253.2063	278.6063	304.0063
63/64	0.98438	25.0031	50.4031	75.8031	101.2031	126.6031	152.0031	177.4031	202.8031	228.2031	253.6031	279.0031	304.4031

in.	dec.in.	12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"
		Millimeter(mm)											
	0	304.8000	330.2000	355.6000	381.0000	406.4000	431.8000	457.2000	482.6000	508.0000	533.4000	558.8000	584.2000
1/32	0.03125	305.5938	330.9938	356.3938	381.7938	407.1938	432.5938	457.9938	483.3938	508.7938	534.1938	559.5938	584.9938
1/16	0.06250	306.3875	331.7875	357.1875	382.5875	407.9875	433.3875	458.7875	484.1875	509.5875	534.9875	560.3875	585.7875
3/32	0.09375	307.1813	332.5813	357.9813	383.3813	408.7813	434.1813	459.5813	484.9813	510.3813	535.7813	561.1813	586.5813
1/8	0.12500	307.9750	333.3750	358.7750	384.1750	409.5750	434.9750	460.3750	485.7750	511.1750	536.5750	561.9750	587.3750
5/32	0.15625	308.7688	334.1688	359.5688	384.9688	410.3688	435.7688	461.1688	486.5688	511.9688	537.3688	562.7688	588.1688
3/16	0.18750	309.5625	334.9625	360.3625	385.7625	411.1625	436.5625	461.9625	487.3625	512.7625	538.1625	563.5625	588.9625
7/32	0.21875	310.3563	335.7563	361.1563	386.5563	411.9563	437.3563	462.7563	488.1563	513.5563	538.9563	564.3563	589.7563
1/4	0.25000	311.1500	336.5500	361.9500	387.3500	412.7500	438.1500	463.5500	488.9500	514.3500	539.7500	565.1500	590.5500
9/32	0.28125	311.9438	337.3438	362.7438	388.1438	413.5438	438.9438	464.3438	489.7438	515.1438	540.5438	565.9438	591.3438
5/16	0.31250	312.7375	338.1375	363.5375	388.9375	414.3375	439.7375	465.1375	490.5375	515.9375	541.3375	566.7375	592.1375
11/32	0.34375	313.5313	338.9313	364.3313	389.7313	415.1313	440.5313	465.9313	491.3313	516.7313	542.1313	567.5313	592.9313
3/8	0.37500	314.3250	339.7250	365.1250	390.5250	415.9250	441.3250	466.7250	492.1250	517.5250	542.9250	568.3250	593.7250
13/32	0.40625	315.1188	340.5188	365.9188	391.3188	416.7188	442.1188	467.5188	492.9188	518.3188	543.7188	569.1188	594.5188
7/16	0.43750	315.9125	341.3125	366.7125	392.1125	417.5125	442.9125	468.3125	493.7125	519.1125	544.5125	569.9125	595.3125
15/32	0.46875	316.7063	342.1063	367.5063	392.9063	418.3063	443.7063	469.1063	494.5063	519.9063	545.3063	570.7063	596.1063
1/2	0.50000	317.5000	342.9000	368.3000	393.7000	419.1000	444.5000	469.9000	495.3000	520.7000	546.1000	571.5000	596.9000
17/32	0.53125	318.2938	343.6938	369.0938	394.4938	419.8938	445.2938	470.6938	496.0938	521.4938	546.8938	572.2938	597.6938
9/16	0.56250	319.0875	344.4875	369.8875	395.2875	420.6875	446.0875	471.4875	496.8875	522.2875	547.6875	573.0875	598.4875
19/32	0.59375	319.8813	345.2813	370.6813	396.0813	421.4813	446.8813	472.2813	497.6813	523.0813	548.4813	573.8813	599.2813
5/8	0.62500	320.6750	346.0750	371.4750	396.8750	422.2750	447.6750	473.0750	498.4750	523.8750	549.2750	574.6750	600.0750
21/32	0.65625	321.4688	346.8688	372.2688	397.6688	423.0688	448.4688	473.8688	499.2688	524.6688	550.0688	575.4688	600.8688
11/16	0.68750	322.2625	347.6625	373.0625	398.4625	423.8625	449.2625	474.6625	500.0625	525.4625	550.8625	576.2625	601.6625
23/32	0.71875	323.0563	348.4563	373.8563	399.2563	424.6563	450.0563	475.4563	500.8563	526.2563	551.6563	577.0563	602.4563
3/4	0.75000	323.8500	349.2500	374.6500	400.0500	425.4500	450.8500	476.2500	501.6500	527.0500	552.4500	577.8500	603.2500
25/32	0.78125	324.6438	350.0438	375.4438	400.8438	426.2438	451.6438	477.0438	502.4438	527.8438	553.2438	578.6438	604.0438
13/16	0.81250	325.4375	350.8375	376.2375	401.6375	427.0375	452.4375	477.8375	503.2375	528.6375	554.0375	579.4375	604.8375
27/32	0.84375	326.2313	351.6313	377.0313	402.4313	427.8313	453.2313	478.6313	504.0313	529.4313	554.8313	580.2313	605.6313
7/8	0.87500	327.0250	352.4250	377.8250	403.2250	428.6250	454.0250	479.4250	504.8250	530.2250	555.6250	581.0250	606.4250
29/32	0.90625	327.8188	353.2188	378.6188	404.0188	429.4188	454.8188	480.2188	505.6188	531.0188	556.4188	581.8188	607.2188
15/16	0.93750	328.6125	354.0125	379.4125	404.8125	430.2125	455.6125	481.0125	506.4125	531.8125	557.2125	582.6125	608.0125
31/32	0.96875	329.4063	354.8063	380.2063	405.6063	431.0063	456.4063	481.8063	507.2063	532.6063	558.0063	583.4063	608.8063

Koken MAXIMUM TORQUES DIN ISO STANDARDS ANSI STANDARDS

1/4" Sq.Dr. Sockets

1/2" Sq.Dr. Sockets

3/8" Sq.Dr. Sockets

Reversible Ratchets

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