HERMES
THE TOOL COMPANY
Kompania Narzędziowa "HERMES" Sp. z o.o.
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e-mail: biuro@hermestools.eu www.hermestools.eu

Koken®

IMPACT / INDUSTRIAL

SOCKETS · STECKSCHLÜSSEL · DOUILLES

ENGLISH GERMAN FRENCH

Koken TOOL CO., LTD.

BITS, NUT SETTERS AND ADAPTORS
BITS, STECKSCHLÜSSEL KLINGEN UND VERBINDUNGSSTÜCK
EMBOUTS POUR ÉCROUS ET ADAPTATEURS
P12～24

IMPACT SOCKETS
IMPACT STECKSCHLÜSSEL
DOUILLES À CHOC
P26～96

SLEEVE-DRIVE SOCKETS
SLEEVE-DRIVE STECKSCHLÜSSEL
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SOCKETS WITH TURNABLE PLASTIC PROTECTORS
STECKSCHLÜSSEL MIT DREHBAREN SCHUTZHÜLSEN AUS KUNSTSTOFF
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INDUSTRIAL SOCKETS
STECKSCHLÜSSEL, INDUSTRIE-AUSFÜHRUNG
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TOOLS FOR CONSTRUCTION SITES
WERKZEUGE FÜR DAS BAUGEWERBE
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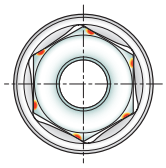
Sockets

FLAT DRIVE®

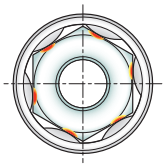


Flat Drive is designed to guarantee a flat surface contact between the socket and the bolt/nut.
The Flat contact reduces wear and allows to transmit a higher torque value.
The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

Das Flat Drive Design sorgt für die optimale Kraftübertragung zwischen den Flächen des Steckschlüssels und der Schraube. Dies erlaubt eine Übertragung von höheren Drehmomenten. Das Flat Drive System findet ebenfalls bei allen Antriebsvierkanten sowie bei 6-kant und 12-kant Profilen Verwendung.

Le profil Flat Drive garantit un contact optimal entre la douille et l'écrou. Ce contact « à plat » réduit l'usure et permet la transmission d'un couple plus élevé. Ce système Flat Drive est utilisé pour tous les carrés conducteurs ainsi que pour toutes nos douilles 6-pans et 12-pans.

SURFACE DRIVE



Surface drive sockets are designed to retain contact with the flat sides of the nut to reduce a damage on the nut/bolt.
The enlarged six corners of the opening allows for quick and easy engagement of the nut/bolt.

Surface Drive Steckschlüssel greifen die Schrauben an den Flächen der 6-Kante, dies verhindert eine Beschädigung des Schraubenkopfes.
Die vergrößerten Ecken des Steckschlüssels erleichtern das Einfädeln des Werkzeugs auf Muttern und Schrauben.

Les douilles Surface Drive sont conçues de façon à retenir les vis aux surfaces du 6 pans, afin d'éviter des dégâts sur la tête de la vis.
Les angles élargis de la douille facilitent l'enfilage des outils sur écrous et vis.

PATHFINDER®

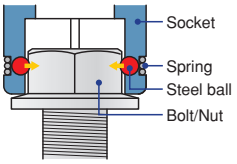
The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for using with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrspindelschrauber) ganz besonders auswirkt.

Les parois en biais du 6-pans des douilles PATHFINDER assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage procure un gain de productivité particularité appréciable dans les chaînes de montage automatiques.

NUT GRIP®

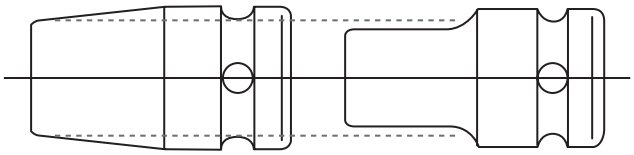
Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.



Die zwei Kugeln in der 6-kant Öffnung unserer NUT GRIP Steckschlüssel halten die Schraube sicher im Steckschlüssel. Dies erlaubt ein Arbeiten auch an schwer zugänglichen Stellen.

Les 2 billes dans l'ouverture du 6-pans de la douille retiennent l'écrou de manière sûre et efficace.

Impact Sockets (Thin Walled)



Straight shape body allows deeper access in narrow spaces. Four different lengths are available: Short, Standard, Semi-deep, and Deep. Choose the appropriate length socket for the intended job.

Die zylindrische Form dieser Steckschlüssel erlaubt ein Arbeiten auch bei engsten Platzverhältnissen. Vier verschiedene Längen sind verfügbar: kurz, Standard, mittel-lang und lang. Wählen Sie die jeweils passende Länge für Ihre Anwendung.

La forme cylindrique de cette douille permet un maniement même dans des espaces restreints. Quatre longueurs sont disponibles: courte, standard, semi-longue et longue. A vous de choisir la longueur qui correspond à votre application.

Short

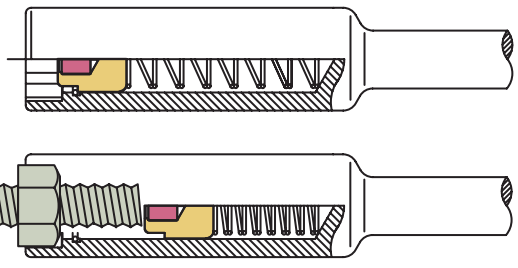
Standard

Semi-Deep

Deep

	3/8"	1/2"	3/4"	1"
Short	13401MS	14401MS	–	–
Standard	13401M	14401M	16401M	18401M
Semi-Deep	13301X	14301X	16301X	18301X
Deep	13301M	14301M	16301M	18301M

Nut Setters with Magnet, Sliding Magnet, Nut Grip



Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line work.

Unsere Steckschlüsselklingen mit Federmagnet ermöglichen den Vorteil einer Magnethalterung auch bei überstehenden Bolzen.

L'aimant coulissant sur ressort assure le maintien dans tous les cas. L'article 115G est spécialement destiné aux chaînes de montage.

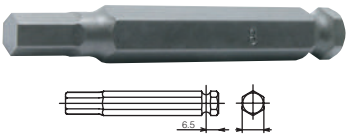
DIN 3126 E11.2 Bits and F11.2 Bit Holders

183 Series DIN 3126 E11.2 replaces 107.11 Series with 11mm 6-point shafts. The 183 Series with round shafted Bits also allow working in tapped blind holes.

Unsere neu Impact Bit-Serie 183 nach DIN3126 E11.2 ersetzt zukünftig die alte Ausführung mit 11mm 6-Kant Aufnahme. Die neuen Einsatzbits 183, mit Rundschäften, erlauben auch den Einsatz bei Sacklöchern.

Notre nouvelle série 183 Impact bit DIN3126 E11.2 remplace l'ancienne version avec 11 mm 6-pans. Les nouveaux embouts 183, avec bouts arrondis, permettent de travailler dans des trous borgnes.

107.11

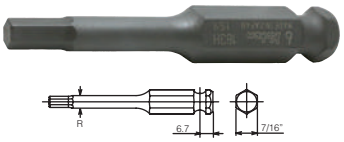


10.89~11.00

14105

11.04~11.14

183 Series (E11.2)



11.04~11.11

14134 (F11.2)

11.16~11.23

E11.2 183 Bit Series

183H-35/-75/-150	Hex
183T-35/-75/-150(T)	TORX®
183T-35/-75(IP)	TORX plus®
183X-35/-75/-150	Triple Square

F11.2 Bit Holders

3/8"	1/2"	3/4"
13134	14134	16134
13142-F11.2	14142-F11.2	—
NV13134	NV14134	—

License

TORX® / TORX plus® & LHSTIX®

TORX® / TORX plus® 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.

Durch die Fähigkeit größere Drehmomente zu übertragen sind TORX® / TORX plus® und LHSTIX® bekannt als die drei effizientesten Befestigungssysteme.

TORX® / TORX plus® et LHSTIX® sont reconnus comme étant trois systèmes de vissage particulièrement efficaces. Ils permettent en effet de transmettre des couples particulièrement élevés.

TORX® & TORX plus®

TORX®

TORX plus®

TORX® is a registered trademark of Acumentintellectualproperties, LLC.
TORX® ist ein registriertes Markenzeichen der Firma Acumentintellectualproperties, LLC.
TORX® est une marque déposée de Acumentintellectualproperties, LLC.

TORX plus® is a registered trademark of Acumentintellectualproperties, LLC.
TORX plus® ist ein registriertes Markenzeichen der Firma Acumentintellectualproperties, LLC.
TORX plus® est une marque déposée de Acumentintellectualproperties, LLC.

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LHSTIX®

LHSTIX®

Line Head Straight

LH-S series

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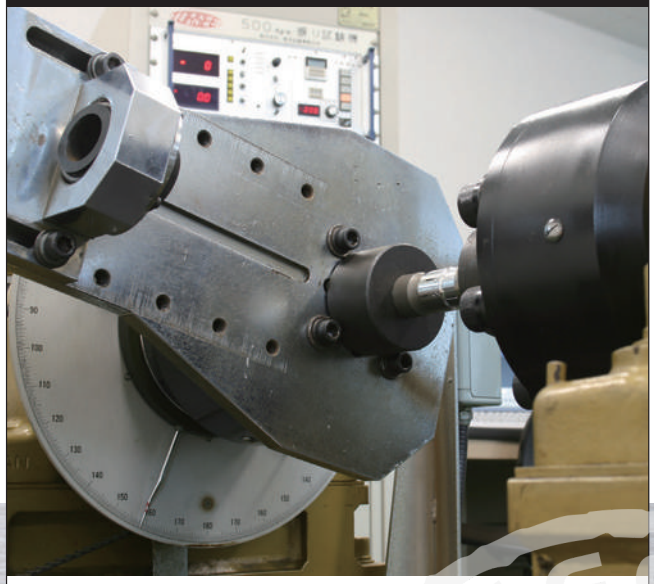
■ TEST AND LABORATORY
■ TESTLABOR
■ TEST AU LABORATOIRE

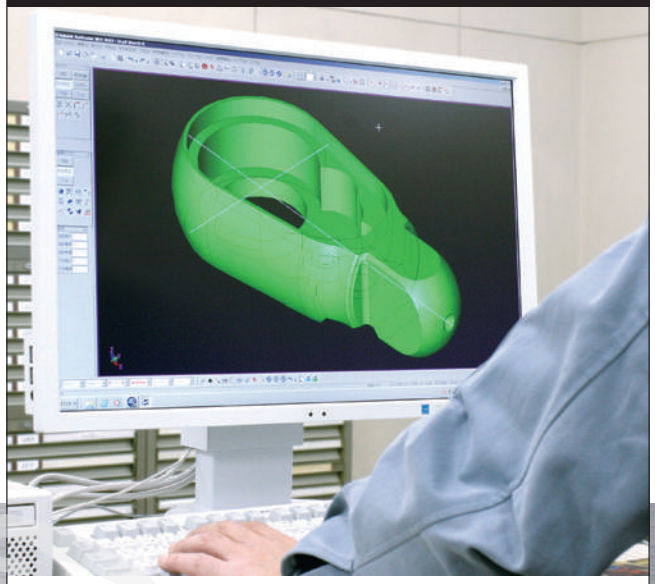


Ko-ken uses a variety of test equipment.
Strength is measured by the Static Load Test Machine that can measure torque load up to 5,000Nm. Durability is measured by the Cyclic Test Machine and corrosion resistance testing is done by the Salt Spray Test Machine. The test results are used to improve our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

Wir verfügen über die verschiedensten Testgeräte:
-Die Festigkeitseigenschaften der Werkzeuge werden mit einer statischen Drehmoment-Testmaschine, die Prüfdrehmomente bis 5.000Nm erzeugen kann, überprüft.
-Die Dauerbelastbarkeit wird mit einer Testmachine durchgeführt mit der die Werkzeuge zyklisch in langen Testreihen belastet werden.
- Der Korrosionsschutz wird regelmäßig mittels Salzsprühnebelprüfung kontrolliert.
Die gewonnenen Testergebnisse ermöglichen eine stetige Verbesserung der Standardwerkzeuge und helfen bei der Entwicklung neuer Produkte.

Ko-ken utilise plusieurs types de tests.
La résistance est mesurée par une installation de test à charge statique d'une capacité de 5.000 Nm. La durée de vie est déterminée par une machine à cycles et la résistance à la corrosion par une installation à projection de sel.
Les résultats de ces tests sont destinés à améliorer nos produits standards et à assister au développement de nouveaux produits.

■ DESIGN AND DEVELOPMENT
■ ENTWICKLUNG UND DESIGN
■ DESIGN ET DEVELOPPEMENT



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.

3D-CAD Programme helfen uns sowohl, bei der Weiterentwicklung unserer Standardwerkzeuge, als auch beim Designen neuer Produkte und beim Entwerfen von Sonderanfertigungen.
Um die Zuverlässigkeit und Funktionalität unserer Werkzeuge zur verbessern, werden ständig Versuchswerkzeuge gefertigt.

La technique CAD-3D est utilisée pour l'amélioration des produits standards, le design des nouveaux produits et la réalisation d'outils spéciaux.
Des séries d'essai sont régulièrement développées, fabriquées et testées pour améliorer l'apparence et la fonctionnalité de tous les produits Ko-ken.

■ FORGING
■ SCHMIEDEN
■ FORGEAGE

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. However, ordinary forging machines are also used for small production runs.

Zum Schmieden verwenden wir eigene Umformmaschinen.

Diese Maschinen werden zur Produktion großer Stückzahlen von Steckschlüsseln und Betätigungswerkzeugen verwendet mit einer Genauigkeit, die mit normalen Gesenkschmiede Maschinen nicht gewährleistet werden kann.

Bei kleineren Fertigungsserien werden zur Fertigung auch kleinere Gesenkschmiedemaschinen verwendet.

Des machines de formage à froid sont utilisées. Ces machines peuvent produire en masse les douilles et accessoires avec une précision supérieure à la forge conventionnelle. Toutefois, pour des petites séries, des machines à forger traditionnelles sont également utilisées.

■ TURNING
■ DREHEN
■ TOURNASAGE

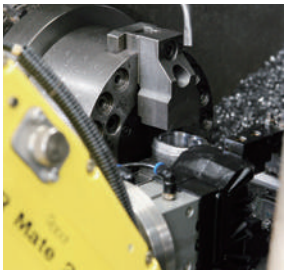
The forged steel is turned into required shapes and dimensions. The MC (Machining Center) operates with extraordinary speed and precision. The article number, size, logo, production number, and MADE IN JAPAN are marked on the products after the turning process has been completed.

Der geschmiedete Stahl wird nun auf die endgültige Form abgedreht.

Unser Maschinenzentrum arbeitet hier mit außergewöhnlicher Geschwindigkeit und Präzision.

Nach dem Drehvorgang wird das Werkzeug mit Artikelnummer, Abmessung, Logo, Produktionsnummer und MADE IN JAPAN markiert.

Après la forge, les pièces sont usinées à la bonne dimension par tournage. Les centres d'usinage travaillent avec une précision et une vitesse extraordinaire.
Le numéro d'article, la dimension, le logo Ko-ken, un numéro de production ainsi que la mention « Made in Japan » sont gravés sur le produit après tournage.



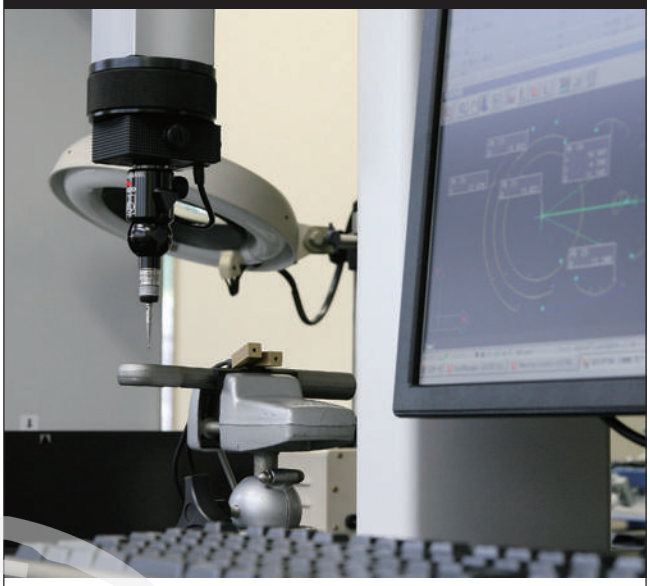
■ HEAT TREATMENT
■ HÄRTEN
■ DURETE

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.

Um die optimale Stabilität und Festigkeit der Werkzeuge zu erreichen ist der Härtungsprozess der Werkzeuge von höchster Wichtigkeit.
Die hohe Genauigkeit von Temperatur- und Dauer der Wärmebehandlung werden durch sehr genaue Regeleinrichtungen in den Härteöfen erreicht.

Pour la résistance et la dureté de l'outil, un traitement thermique adapté est indispensable. Les températures et la dureté de traitement sont très précisément contrôlées.

■ INSPECTION
■ MESSEN UND PRÜFEN
■ CONTRÔLE



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

Unsere Produkte werden periodisch nach jedem Produktionsprozess überprüft.
Hierzu verwenden wir sehr genaue 3D Messgeräte.

Nos produits sont contrôlés périodiquement à chaque étape de leur fabrication.
Des instruments de mesure en 3D, très précis sont employés pour la vérification des dimensions.

Koken SAFETY ADVISER
Koken SICHERHEITSRATGEBER
MESURES DE SÉCURITÉ Koken

General
Allegemeines
Généralités

(a) Make sure you use the right type socket, whose opening fit the nut.

Verwenden Sie immer den richtigen Steckschlüssel und überzeugen Sie sich davon, ob er auch auf die Mutter passt.

Utilisez toujours la bonne clé et assurez-vous qu'elle est rigoureusement adaptée à l'écrou.

(b) For use on electric or air IMPACT Wrenches select IMPACT Sockets only.

Auf elektrischen oder pneumatischen Schlagschraubern dürfen nur hoch belastbare IMPACT-Steckschlüssel und Zubehörteile gesteckt werden.

Sur des vis à fixer par machines à chocs pneumatiques ou électriques n'utilisez que des clés à douille IMPACT et des accessoires IMPACT capables de résister à une haute sollicitation.

(c) When using nut runners or IMPACT Wrenches wear safety goggles.

Tragen Sie bei der Anwendung von Schraubern stets eine Schutzbrille.

En opérant avec des visseuses et des machines à chocs, portez toujours des lunettes de protection.

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

Plastik-oder Gummigriffe stellen keinen Isolierschutz dar.

Les poignées de plastique ou de caoutchouc ne garantissent aucune isolation électrique.

(e) Never substitute a HAND Socket for a INDUSTRIAL Socket or an IMPACT Socket, or a INDUSTRIAL Socket for an IMPACT Socket.

Nehmen Sie deshalb niemals anstelle eines INDUSTRIE-oder IMPACT-Werkzeuges ein HAND-Werkzeug oder anstatt eines IMPACT-Werkzeuges ein INDUSTRIE-Werkzeug.

Ne vous servez donc jamais d'un outil à main au lieu d'un outil INDUSTRIEL ou IMPACT ou d'un outil INDUSTRIEL au lieu d'un outil IMPACT.

(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.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch, und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Céci pour éviter ruptures et accidents.

(g) Make sure to lock the impact sockets on driving tools with Pin / O-Ring or C-Ring.

Verwenden Sie Impact Steckschlüssel nie ohne Sicherungsring und Stift oder alternativ mittels unserer C-Ringe.

Ne jamais utiliser de douille à choc sans sécurité. (Anneau et goupille ou crochet en C)

Sockets
Steckschlüssel
Douilles

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

Steckschlüssel mit Haarrissen, abgestossenen Kanten oder mit anderen Verbrauchserscheinungen sind umgehend zu ersetzen.

Les clés qui présentent des fissures capillaires, des arêtes émousées ou autres signes d'usure doivent être immédiatement changées.

Extension Bars
Verlängerungen
Rallonges

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

Das Zusammenstecken von mehreren kurzen Verlängerungen als Ersatz für eine in der richtigen Länge ist unbedingt zu vermeiden.

Il faut absolument éviter d'utiliser plusieurs rallonges courtes au lieu d'une seule ayant la bonne longueur.

Adaptors
Verbindungsstücke
Réducteurs

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.

Reduzierstücke sind mit Vernunft einzusetzen. Beachten Sie, dass bei der Verwendung von Reduzierstücken hohe Drehmomentwerte ausgelöst werden nämlich dadurch, dass grössere Griffe auf kleinere Steckschlüssel gesetzt werden. Bleiben Sie jeweils innerhalb der Sicherheitsgrenzen.

Les réducteurs doivent être utilisés avec modération. Il est à considérer qu'avec les réducteurs on obtient un couple de serrage élevé du fait que des poignées plus grandes sont appliquées sur des clés à douille plus petites. Ne dépassez pas les limites de sécurité.

Warranty

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

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.

WERKZEUGE-VON ÜBERZEUGENDER QUALITÄT

GARANTIE

Koken TOOL CO.,LTD. Shizuoka, Japan, garantiert Ihnen die einwandfreie Qualität und Ausführung ihrer Produkte. Jedes Werkzeug der Marke Koken ist für Höchstleistungen konstruiert und wird vor Verlassen der Fabrik sorgfältig geprüft. Koken TOOL CO.,LTD. repariert oder ersetzt über ihre Händler unter Ausschluss jeglicher weitergehenden Haftung jedes fehlerhafte Koken Produkt kostenlos.

OUTILLAGE-D'UNE QUALITE CONVAINQUANTE

GARANTIE

La fabrique Koken TOOL CO.,LTD. Shizuoka, Japon, garantit la qualité irréprochable et le traitement absolument impeccable des outils portant la marque Koken. Chaque outil Koken quitant la fabrique est contrôlé soigneusement. La fabrique s'engage à réparer ou remplacer gratuitement tout défaut de matiére ou de fabrication par l'intermédiaire de ses distributeurs, à l'exception d'une responsabilité étendue.

Specifications or design of any product in this catalogue are subject to change without notice.

Wir behalten uns das Recht vor, jedes in diesem Katalog gezeigte Werkzeug, auch ohne vorherige Ankündigung, in Ausführung und Design ändern zu dürfen.

Nous nous réservons le droit de modifier les modèles et les dimensions des outils présentés dans ce catalogue et ce sans autre notification préalable.

ISO9001

ISO 9001
Management System Certificate

Certificate Number : JQA-1028

Organization :
KO-KEN TOOL CO., LTD.
656 NAKAHO, 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 :2008 / JIS Q 9001 :2008

Registration Date : November 6, 1995
Last Renewal Date : January 9, 2016

Expiry Date : September 14, 2018

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

JAPAN QUALITY ASSURANCE ORGANIZATION

ISO 9001
Appendix

Certificate Number : JQA-1028 1 / 1

Organization :
KO-KEN TOOL CO., LTD.

Scope of Registration:
THE DESIGN / DEVELOPMENT AND MANUFACTURE OF SOCKET WRENCH

Registration Date : November 6, 1995
Last Renewal Date : January 9, 2016

Expiry Date : September 14, 2018

NORIAKI KOBAYASHI
PRESIDENT

JAPAN QUALITY ASSURANCE ORGANIZATION

Registered Trademarks

Koken®

工研®

CO-KEN®

Koken TOOLS®

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®

Koken TOOL CO., LTD.®

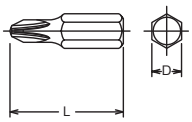
HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

BITS, NUT SETTERS AND ADAPTORS
BITS, STECKSCHLÜSSEL KLINGEN UND VERBINDUNGSSTÜCK
EMBOUTS POUR ÉCROUS ET ADAPTATEURS

DIN3126 C6.3 ●1/4”

108P-25/-32/-50

PH Bits
PH Bits
Embouts, PH



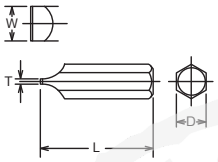
108P-25 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10

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

Slotted Bits
Schlitz Bits
Embouts, fente

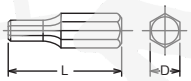


108S-25	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5×3	6.35	25	3	10
4	0.6×4	6.35	25	3	10
4.5	0.6×4.5	6.35	25	4	10
5	0.8×5	6.35	25	5	10
5.5	0.8×5.5	6.35	25	5	10
6	1.0×6	6.35	25	5	10
8	1.2×8	6.35	25	6	10

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
Sechskant Bits
Embouts, 6 pans creux

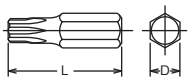


108H-25 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10

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

108T-25 (T)

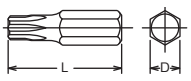
TORX® Bits
TORX® Bits
Embouts, TORX®



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

108T-25 (TH)

Tamper-Resistant TORX® Bits
Tamper-Resistant TORX® Bits
Embouts TORX®, Tamper-Resistant

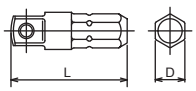


108T-25 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	6	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10
T40H	6.35	25	6	10

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

108A

Adaptor
Verbindungsstück
Adaptateur



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

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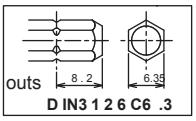
TORX® ist ein registriertes Markenzeichen der Firma Acument Intellectual Properties, LLC.
TORX® est une marque déposée de Acument Intellectual Properties, LLC.

	□	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12139	1/4"	11	13	26	15	10	*1
13139	3/8"	11	19	30	32	10	*2
14139	1/2"	11	25	38	62	10	*3

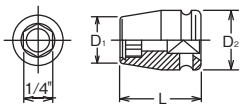
*1 Pin/O-Ring=1200A/B
*2 C-Ring=1301C,Pin/O-Ring=1301A/B
*3 C-Ring=1401C,Pin/O-Ring=1401A/B

➡P104-105

For DIN3126C6.3B its
Für DIN3126C6.3B its
Pour DIN3126C6.3 Embouts



D6.3



12139

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

13139

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

14139

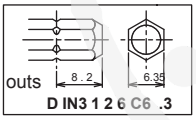
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

	□	D1 (mm)	D2 (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

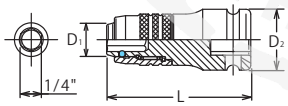
*1 C-Ring=1301C,Pin/O-Ring=1301A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B

➡P104-105

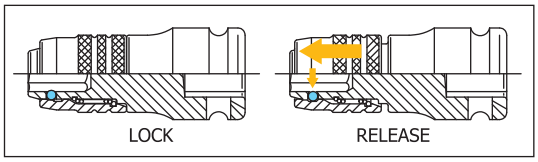
For DIN3126C6.3B its
Für DIN3126C6.3B its
Pour DIN3126C6.3 Embouts



D6.3



Lock & Quick Release



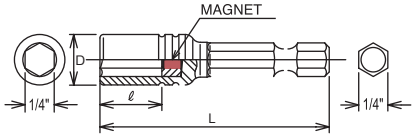
13142-D6.3

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

14142-D6.3

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
180M-50	11	13.5	50	15	10



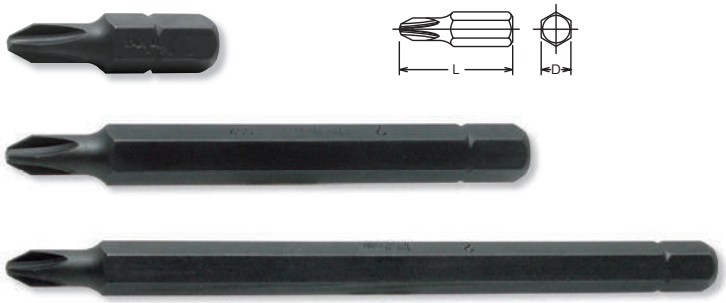
180M-50

Bit Holder with Magnet
Klingenhalter mit Magnet
Porte-embouts avec aimant

DIN3126 C8 ⬢ 5/16”

100P-32/-80/-125

PH Bits
PH Bits
Embouts, PH



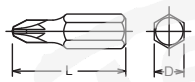
100P-32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

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

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

100P-32 (PZ)

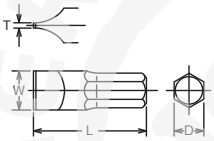
PZ Bits
PZ Bits
Embouts, PZ



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

100S-32/-80

Slotted Bits
Schlitz Bits
Embouts, fente

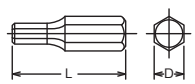


100S-32	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 × 6	8	32	10	10
7	1 × 7	8	32	11	10
8	1.2× 8	8	32	12	10
9	1.6× 9	8	32	12	10
10	1.6×10	8	32	13	10
11	1.6×11	8	32	15	10
12	2 ×12	8	32	18	10
14	2 ×14	8	32	21	10

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

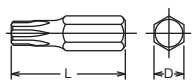
Hex Bits
Sechskant Bits
Embouts, 6 pans creux



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
10	8	32	16	10
12	8	32	23	10
14	8	32	29	10

100T-32 (T)

TORX® Bits
TORX® Bits
Embouts, 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	9	10
T27	8	32	10	10
T30	8	32	10	10
T40	8	32	11	10
T45	8	32	12	10
T50	8	32	13	10
T55	8	32	16	10

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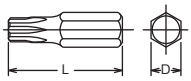
100T-32 (TH)

Tamper-Resistant TORX® Bits
Tamper-Resistant TORX® Bits
Embouts TORX®, Tamper-Resistant

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	9	10
T27H	8	32	10	10
T30H	8	32	10	10
T40H	8	32	11	10
T45H	8	32	12	10
T50H	8	32	13	10
T55H	8	32	16	10

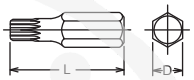
Tamper Resistant TORX® Bits have less strength due to special design.
Make sure to use it correctly.



100X-32 (XZN)

XZN Bits
XZN Bits
Embouts, 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



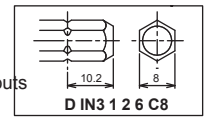
12140

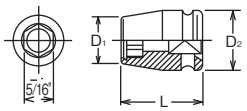
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

		D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
12140	1/4"	14	13	~~26~~	15	10	*1
13140	3/8"	14	19	30	32	10	*2
14140	1/2"	14	25	38	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
➔P104-105

For DIN3126C 8Bits
Für DIN3126C 8Bits
Pour DIN3126C 8Embouts





13140

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

14140

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

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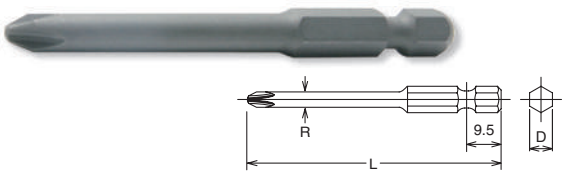
DIN3126 E6.3 1/4”

121P-50/-70/-100/-150

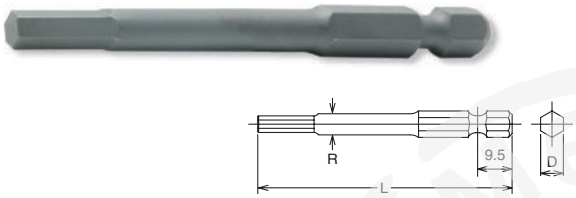
PH Bits
PH Bits
Embouts, PH



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

121H-50/-70/-100/-150

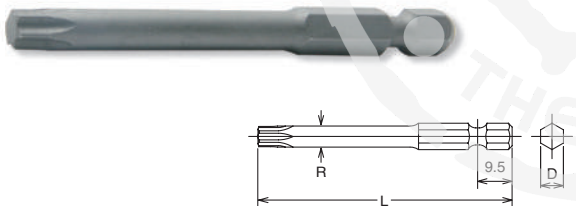
Hex Bits
Sechskant Bits
Embouts, 6 pans creux



121H-50 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2.5	6.35	3.0	50	12	10
3	6.35	3.5	50	12	10
4	6.35	4.5	50	12	10
5	6.35	5.6	50	13	10
6	6.35	–	50	14	10

121T-50/-70/-100/-150 (T)

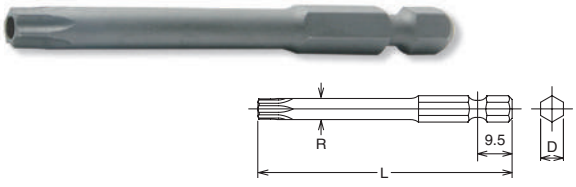
TORX® Bits
TORX® Bits
Embouts, TORX®



121T-50 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.0	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/-100 (TH)

Tamper-Resistant TORX® Bits
Tamper-Resistant TORX® Bits
Embouts TORX®, Tamper-Resistant



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

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

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

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

121H-70 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2.5	6.35	4.0	70	15	10
3	6.35	4.0	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.)
2.5	6.35	4.0	100	23	10
3	6.35	4.0	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.)
3	6.35	4.5	150	37	10
4	6.35	5.0	150	37	10
5	6.35	6.0	150	38	10
6	6.35	–	150	39	10

121T-70 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	70	16	10
T15	6.35	3.5	70	16	10
T20	6.35	4.1	70	16	10
T25	6.35	4.6	70	16	10
T27	6.35	5.2	70	17	10
T30	6.35	5.7	70	17	10
T40	6.35	–	70	18	10

121T-100 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	100	24	10
T15	6.35	4.0	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.)
T15	6.35	4.0	150	37	10
T20	6.35	4.5	150	37	10
T25	6.35	5.0	150	37	10
T27	6.35	5.6	150	37	10
T30	6.35	6.0	150	38	10
T40	6.35	–	150	39	10

121T-70 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
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.)
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

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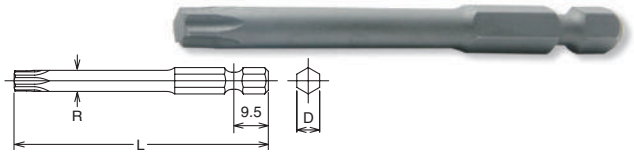
121T-50/-70 (IP)

TORX PLUS® Bits
TORX PLUS® Bits
Embouts TORX PLUS®

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

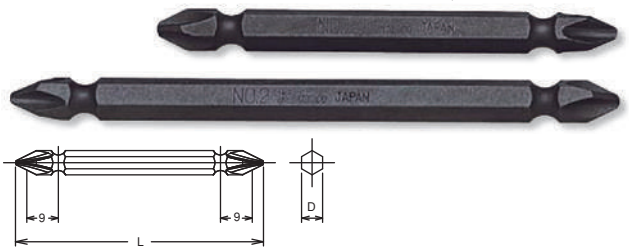


123P-75/-100

Double ended Bits, PH
Doppelseitige bits, PH
Embouts double face, PH

123P-75	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10

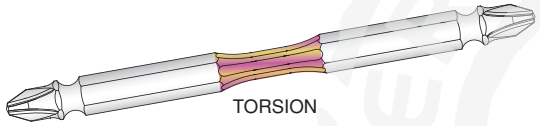
123P-100	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10

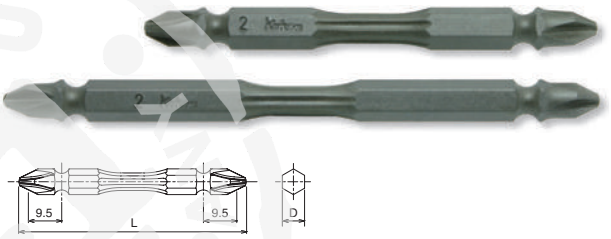


123PT-75/-100

Double ended Torsion Bits, PH
Doppelseitige Torsionsbits, PH
Embouts torsion double face, PH

123PT (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10

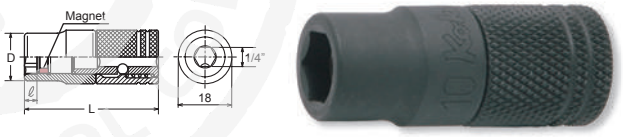




165LM

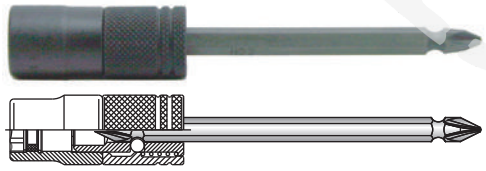
Slide socket with Magnet
Gleitsteckschlüssel mit Magnet
Douille coulissante avec aimant

165LM-45 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	13.5	3.5	45	55	10
10	16.5	4.2	45	58	10
12	18.5	5.6	45	65	10
14	21.5	6.4	45	70	10

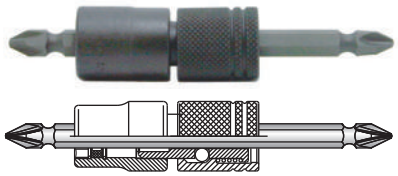


Slide the socket by pulling holder, and pull back the socket to lock on the bit groove.
Ring magnet holds a bolt or nut for easy work.

Nut Setter



PH Bit

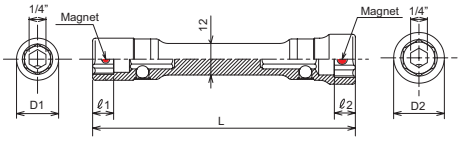


165BM-80/-100

Double sided Socket with Magnets
Doppelseitiger Steckschlüssel mit Magnet
Douille à double fonctions avec aimaint

165BM-80 (mm)	D1 (mm)	D2 (mm)	L (mm)	ℓ1 (mm)	ℓ2 (mm)	(g)	(pcs.)
10×12	16	19.1	80	8	8	95	10
10×13	16	20.5	80	8	8	100	10

165BM-100 (mm)	D1 (mm)	D2 (mm)	L (mm)	ℓ1 (mm)	ℓ2 (mm)	(g)	(pcs.)
8×10	13	16	100	6	8	72	10
10×12	16	19.1	100	8	8	105	10
10×14	16	21.5	100	8	10	110	10
12×14	19.1	21.5	100	8	10	135	10



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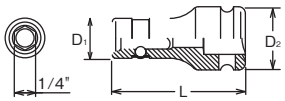
DIN3126 E6.3 ●1/4”

12137E

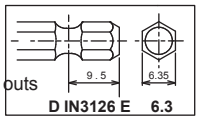
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



		D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12137E	1/4"	12	13	36	22	10	*1
13137E	3/8"	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 ➔P104-105
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

For DIN3126E6.3B its
Für DIN3126E6.3B its
Pour DIN3126E6.3 Embouts



F6.3

12137E, 13137E and 14147E can be used with various 1/4" bits, DIN 3126-C6.3, DIN 3126-E6.3 and Double ended type.

Die neuen Bithalter können für alle 1/4" Bits DIN 3126-C6.3, DIN 3126-E6.3 und für doppelseitige Bits verwendet werden.

Ces nouveaux porte embouts peuvent être utilisés avec tous les embouts 1/4" DIN 3126 E-6.3 et DIN 3126 C6.3

13137E

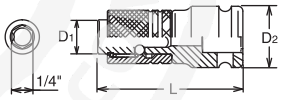
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

14137E

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

12142-F6.3

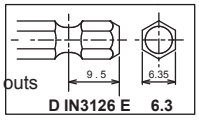
Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)



		D1 (mm)	D2 (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

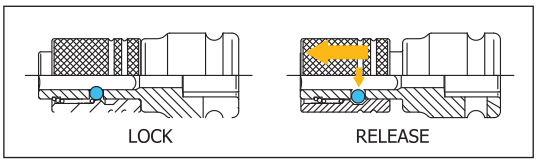
*1 Pin/O-Ring=1200A/B
*2 C-Ring=1301C, Pin/O-Ring=1301A/B ➔P104-105
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

For DIN3126E6.3B its
Für DIN3126E6.3B its
Pour DIN3126E6.3 Embouts



F6.3

Lock & Quick Release



13142-F6.3

Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)

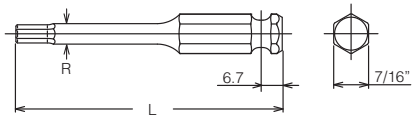
14142-F6.3

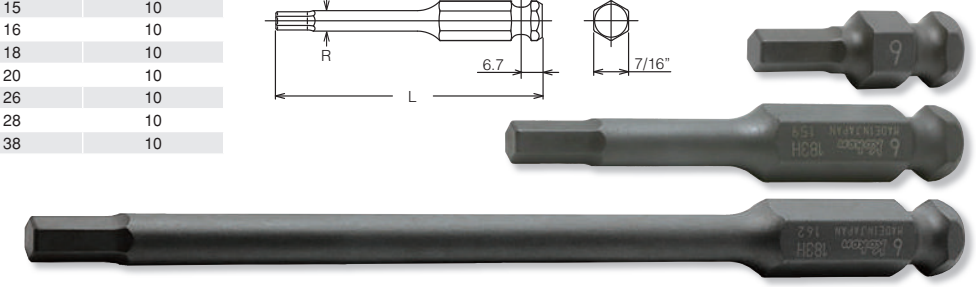
Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)

7/16" DIN3126 E11.2

183H-35/-75/-150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux





	183H-35 (inch)	L (mm)	(g)	(pcs.)
New	3/16	35	15	10
New	7/32	35	16	10
New	1/4	35	18	10
New	5/16	35	20	10
New	3/8	35	26	10
New	7/16	35	28	10
New	1/2	35	38	10

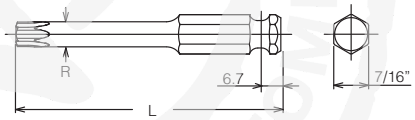
	183H-35 (mm)	L (mm)	(g)	(pcs.)
	3	35	15	10
	4	35	15	10
	5	35	15	10
	6	35	18	10
New	7	35	19	10
	8	35	20	10
	10	35	26	10
New	11	35	28	10
	12	35	30	10
	14	35	35	10
New	16	35	47	10
New	17	35	50	10
New	18	35	53	10
New	19	35	56	10

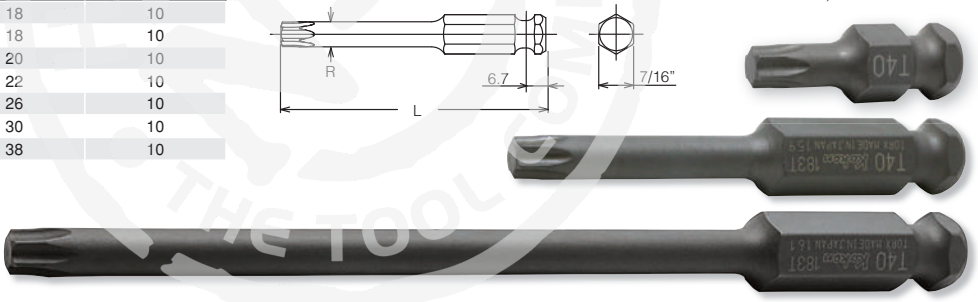
	183H-75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
	3	75	6.0	34	10
	4	75	6.0	35	10
	5	75	6.5	36	10
	6	75	7.5	39	10
New	7	75	8.5	44	10
	8	75	9.5	47	10
	10	75	–	57	10
New	11	75	–	60	10
	12	75	–	65	10
	14	75	–	79	10

183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6.0	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	–	118	10
12	150	–	136	10

183T-35/-75/-150 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®





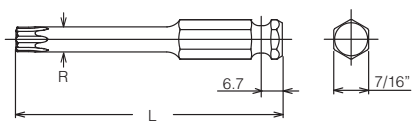
	183T-35 (T)	L (mm)	(g)	(pcs.)
New	T25	35	18	10
	T30	35	18	10
	T40	35	20	10
	T45	35	22	10
	T50	35	26	10
	T55	35	30	10
	T60	35	38	10

183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	75	6.0	35	10
T40	75	6.9	37	10
T45	75	8.0	41	10
T50	75	9.0	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6.0	50	10
T40	150	6.9	58	10
T45	150	8.0	70	10
T50	150	9.0	82	10
T55	150	11.4	113	10

183T-35/-75 (IP)

TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®



	183T-35 (IP)	L (mm)	(g)	(pcs.)
	30IP	35	18	10
	40IP	35	20	10
	45IP	35	22	10
	50IP	35	26	10
	55IP	35	30	10
	60IP	35	38	10

183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6.0	35	10
40IP	75	6.8	37	10
45IP	75	8.0	41	10
50IP	75	9.0	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

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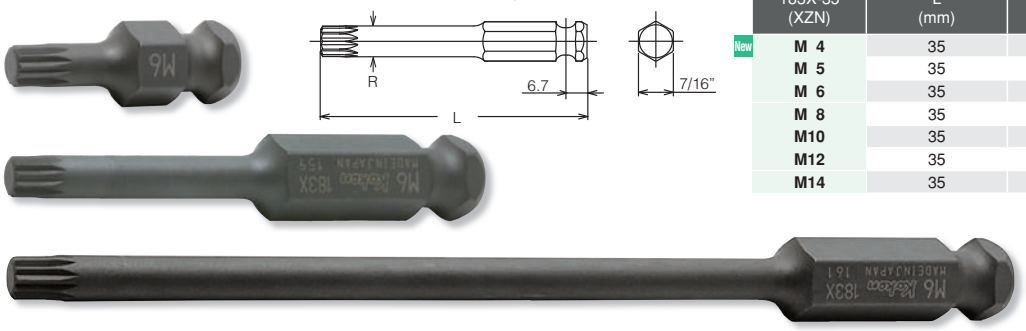
183X-35/-75/-150 (XZN)

XZN Bits
XZN Bits
Embouts, XZN



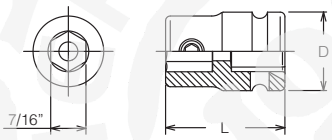
183X-35 (XZN)	L (mm)	(g)	(pcs.)
New M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

183X-75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
New M 4	75	6.0	34	10
M 5	75	6.0	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6.0	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10

13134
14134
16134

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

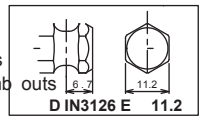


		D (mm)	L (mm)	(g)	(pcs.)	
13134	3/8"	22	32	70	10	*1
14134	1/2"	25	38	90	10	*2
16134	3/4"	44	52	200	2	*3

*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

P104-105

For DIN3126E1 1.2B its
Für DIN3126E1 1.2B its
Pour DIN3126E1 1.2 Embouts

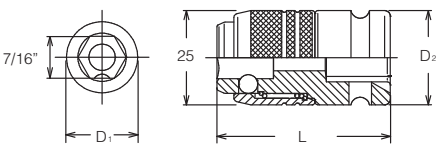


F11.2

Replacement Screw : M8×5, ⬢ 4mm
Ersatzschraube : M8×5, ⬢ 4mm
Vis de remplacement : M8×5, ⬢ 4mm

13142-F11.2
14142-F11.2

Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)

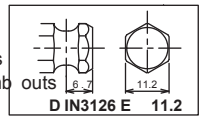


		D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	3/8"	18.9	22	46	116	10	*1
14142-F11.2	1/2"	18.9	25	46	207	10	*2

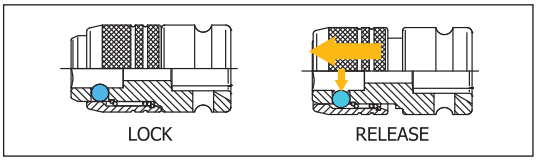
*1 C-Ring=1302C,Pin/O-Ring=1302A/B
*2 C-Ring=1401C,Pin/O-Ring=1401A/B

➡P104-105

For DIN3126E1 1.2B its
Für DIN3126E1 1.2B its
Pour DIN3126E1 1.2 Embouts

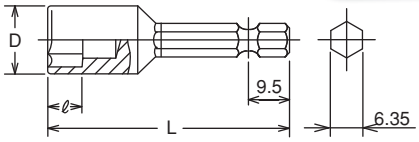


F11.2



113

Nut Setters
Steckschlüssel Klingen
Embouts pour écrous



113 (mm)	D (mm)	ℓ (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 (inch)	D (mm)	ℓ (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

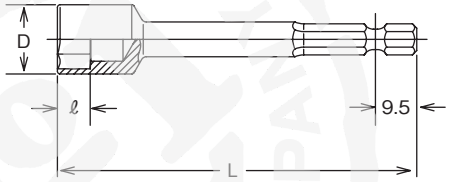
113 (E)

Nut Setters, TORX®
Steckschlüssel Klingen, TORX®
Embouts pour écrous, TORX®

113 (E)	D (mm)	ℓ (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

113-75/-100/-150/-200/-250

Nut Setters
Steckschlüssel Klingen
Embouts pour écrous



113-75 (mm)	D (mm)	ℓ (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)	ℓ (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

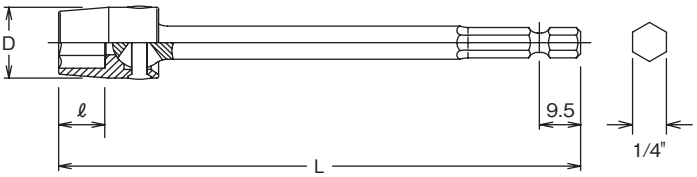
113-150 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	150	59	10
8	12.7	6	150	60	10
10	14.5	7	150	64	10
12	17	8	150	70	10
13	18	8	150	76	10
14	19	9	150	78	10

113-200 (mm)	D (mm)	ℓ (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)	ℓ (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

113UN-100/-150/-200

6-point Universal Joint Nut Setters
6-kant Steckschlüsselklingen mit Gelenk
Douilles 6-pans universelles à embout



113UN-100 (mm)	D (mm)	ℓ (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

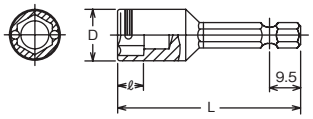
113UN-150 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10

113UN-200 (mm)	D (mm)	ℓ (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

TORX® is a registered trademark of AcumentIntellectualProperties, LLC.
TORX® ist ein registriertes Markenzeichen der Firma AcumentIntellectualProperties, LLC.
TORX® est une marque déposée de AcumentIntellectualProperties, LLC.

113-50 (2B)

Nut Setters, with 2 Balls
Steckschlüssel Klingen, mit 2-facher Kugelhalterung
Douilles à billes de retenue
Nut Grip®

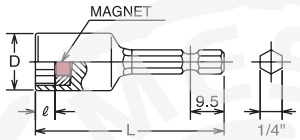


113-50 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7(2B)	11	5	50	20	10
8(2B)	12	6	50	21	10
10(2B)	14.2	7	50	26	10
13(2B)	18	8	50	31	10

113-50 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
3/8(2B)	14.2	7	50	26	10

115

Nut Setters with Magnet
Steckschlüssel Klingen mit Magnet
Embouts avec aimant pour écrous

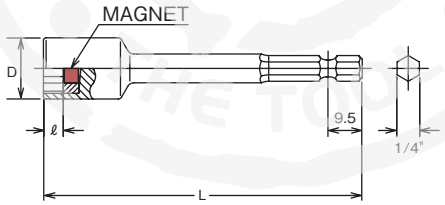


115 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

115 (inch)	D (mm)	ℓ (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
Steckschlüssel Klingen mit Magnet
Embouts avec aimant pour écrous



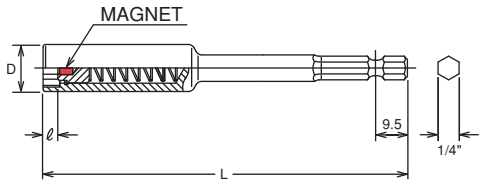
115-75 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	75	32	10
8	12.7	3.5	75	33	10
10	14.5	4.2	75	38	10
12	17	5.6	75	46	10
13	18	6	75	49	10
14	19	6.4	75	52	10

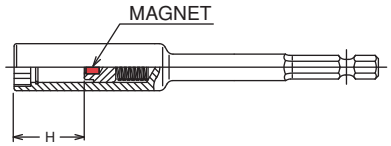
115-100 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	100	41	10
8	12.7	3.5	100	42	10
10	14.5	4.2	100	50	10
12	17	5.6	100	58	10
13	18	6	100	62	10
14	19	6.4	100	65	10

115-150 (mm)	D (mm)	ℓ (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)	ℓ (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)	ℓ (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





115G-75/-100/-150/-200

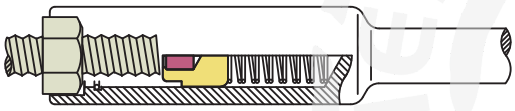
Nut Setters with sliding Magnet
Steckschlüssel Klingen mit versenkbarem Magnet
Embouts avec aimant, glissant pour écrous

115G-75 (mm)	D (mm)	ℓ (mm)	H (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)	ℓ (mm)	H (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)	ℓ (mm)	H (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)	ℓ (mm)	H (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



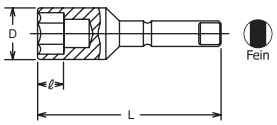
Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line work.

Die Steckschlüsselklinge mit versenkbarem Magnet bietet die Funktion eines Haltemagneten und genügend Freiraum für überstehende Bolzen. Dieses Werkzeug eignet sich vor allem für Montagearbeiten.

L'embout avec aimant glissant offre une fonction d'aimant et laisse assez d'espace pour des goujons surmontés. L'objet 115G a été conçu spécialement pour le travail d'assemblage.

118

Nut Setters
Steckschlüssel Klingen
Embouts pour écrous

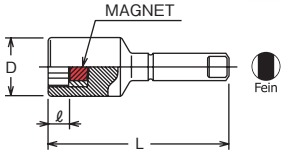


118 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	16	10
6	10	5	50	19	10
7	11	5	50	21	10
8	12	6	50	21	10
10	14.2	7	50	34	10
12	17	8	50	41	10
13	18	8	50	46	10

118 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	10	5	50	19	10
5/16	12	6	50	21	10
3/8	14.2	7	50	34	10
1/2	18	8	50	46	10

119

Nut Setters with Magnet
Steckschlüssel Klingen mit Magnet
Embouts avec aimant pour écrous

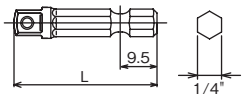


119 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	17	10
6	10	2.4	50	20	10
7	11	2.8	50	22	10
8	12	3.5	50	23	10
10	14.2	4.2	50	30	10
12	17	5.6	50	42	10
13	18	6	50	52	10

119 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	10	1.8	50	20	10
5/16	12	3.5	50	23	10
3/8	14.2	4.2	50	30	10

110-35B/-50B/-100B/-150B -35P/-50P/-100P/-150P

Adaptors
Verbindungsstücke
Adaptateurs

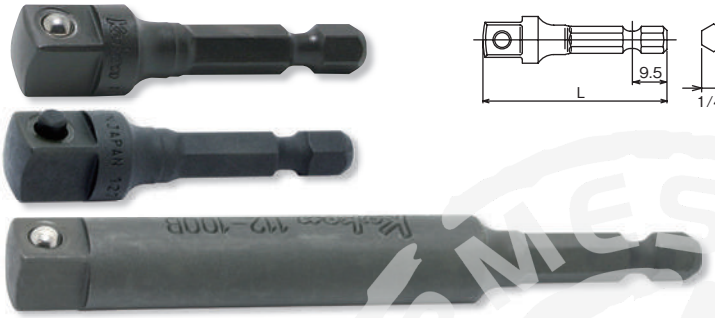


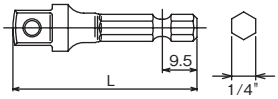
110	⍁	TYPE	L (mm)	(g)	(pcs.)
35B	1/4"	Ball	35	9	10
35P		Pin	35	9	10
50B		Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	34	10
100P		Pin	100	34	10
150B		Ball	150	54	10
150P		Pin	150	54	10

DIN 3126 Form E 6.3

112-50B/-100B/-150B -50P/-100P/-150P

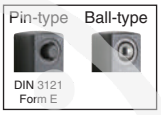
Adaptors
Verbindungsstücke
Adaptateurs





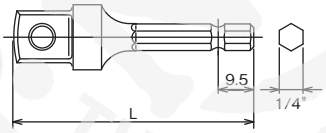
112	⍁	TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	22	10
50P		Pin	50	22	10
100B		Ball	100	71	10
100P		Pin	100	71	10
150B		Ball	150	121	10
150P		Pin	150	121	10

DIN 3126 Form E 6.3



135E-60B/-60P

Adaptor
Verbindungsstück
Adaptateurs

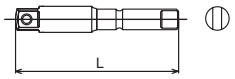


135E	⍁	TYPE	L (mm)	(g)	(pcs.)
60B	1/2"	Ball	60	46	10
60P		Pin	60	46	10

DIN 3126 Form E 6.3

117-50B/-100B -50P/-100P

Adaptors
Verbindungsstücke
Adaptateurs

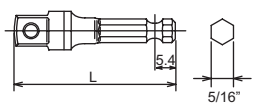


117	⍁	TYPE	L (mm)	(g)	(pcs.)
50B	1/4"	Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	71	10
100P		Pin	100	71	10

DIN 3126 Form G7

120-50B/-50P

Adaptor
Verbindungsstück
Adaptateurs

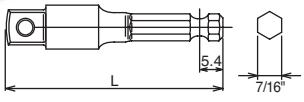


120	⍁	TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	27	10
50P		Pin	50	27	10

DIN 3126 Form E 8

186-75P

Adaptor
Verbindungsstück
Adaptateurs



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

DIN 3126 Form E 11.2

IMPACT

SOCKETS
STECKSCHLÜSSEL
DOUILLES

1/4”

3/8”

1/2”

5/8”

3/4”

1”

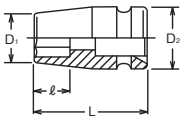
1-1/2”

2-1/2”

3-1/2”

12400M / 12400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



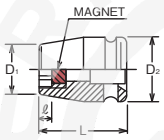
12400A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
5/32	7.5	13	4	23	14	10	*1
3/16	8.1	13	4	23	14	10	*1
New **7/32**	9.4	13	4	23	16	10	*1
1/4	10	13	5	23	14	10	*1
9/32	11.3	13	5	23	14	10	*1
5/16	12.5	13	6	23	14	10	*1
11/32	13.8	13	7	23	14	10	*1
3/8	15	13	7	23	15	10	*1
7/16	16.3	13	8	23	18	10	*1
1/2	18.8	13	8	23	19	10	*1
9/16	20	13	9	23	20	10	*1

*1 Pin/O-Ring=1200A/B P105

12400M (mm)	D1 (mm)	D2 (mm)	ℓ (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

12400MG / 12400AG

6-point Sockets with Magnet
6-kant Steckschlüssel mit Magnet
Douilles 6-pans avec aimant



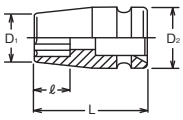
12400AG (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
3/16	8.1	13	2.1	23	13	10	*1
1/4	10	13	2.4	23	16	10	*1
5/16	12.5	13	3.5	23	17	10	*1
11/32	13.8	13	3.8	23	18	10	*1
3/8	15	13	4.2	23	18	10	*1
7/16	16.3	13	4.9	23	21	10	*1
1/2	18.8	13	6	25	21	10	*1
9/16	20	13	6.4	25	20	10	*1

*1 Pin/O-Ring=1200A/B P105

12400MG (mm)	D1 (mm)	D2 (mm)	ℓ (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

12410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



12410M (mm)	D1 (mm)	D2 (mm)	ℓ (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 P105

SURFACE DRIVE

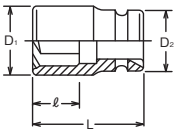
Surface drive sockets are designed to retain contact with the flat sides of the nut to reduce a damage on the nut/bolt.
The enlarged six corners of the opening allows for quick and easy engagement of the nut/bolt.

Surface Drive Steckschlüssel greifen die Schrauben an den Flächen der 6-Kante, dies verhindert eine Beschädigung des Schraubenkopfes.
Die vergrößerten Ecken des Steckschlüssels erleichtern das Einfädeln des Werkzeugs auf Muttern und Schrauben.

Les douilles Surface Drive sont conçues de façon à retenir les vis aux surfaces du 6 pans, afin d’éviter des dégâts sur la tête de la vis.
Les angles élargis de la douille facilitent l’enfilage des outils sur écrous et vis.

12465M

Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder



12465M (mm)	D1 (mm)	D2 (mm)	ℓ (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 P105

PATHFINDER®

The beveled flats of the 6-points opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for using 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.

Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrspindelschrauber) ganz besonders auswirkt.

Les parois en biais des douilles en 6-pans Pathfinder assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage, engendre une productivité supérieure dans les châines de montage automatiques.

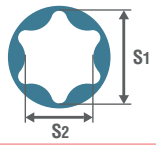
12425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®

12425 (E)	D1 (mm)	D2 (mm)	ℓ (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 P105

TORX® (E)



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

12460M
12460A

For Self-Tapping Screws
Für selbstschneidende Schrauben
Pour vis auto-taraudeuses

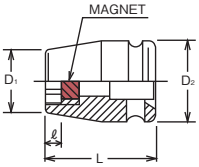
12460M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

12460A (inch)	D1 (mm)	D2 (mm)	ℓ (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 P105

12460MG
12460AG

With Magnet for Self-Tapping Screws
mit Magnet für selbstschneidende Schrauben
avec aimant pour vis auto-taraudeuses



12460MG (mm)	D1 (mm)	D2 (mm)	ℓ (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
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

12460AG (inch)	D1 (mm)	D2 (mm)	ℓ (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 P105

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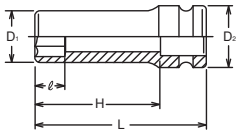
TORX® ist ein registriertes Markenzeichen der Firma Acument Intellectual Properties, LLC.
TORX® est une marque déposée de Acument Intellectual Properties, LLC.

12300M

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans

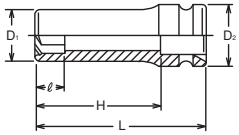


12300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10	13	6	38	48	26	10	*1
7	11.3	13	7	38	48	30	10	*1
8	12.5	13	8	38	48	32	10	*1
10	15	13	10	37	48	34	10	*1
11	16.3	13	11	37	48	46	10	*1
12	17.5	13	12	37	48	49	10	*1
13	18.8	13	13	37	48	52	10	*1
14	20	13	14	36	48	57	10	*1

*1 Pin/O-Ring=1200A/B ➔P105

12365M

Pathfinder Sockets, deep
Pathfinder Steckschlüssel, lang
Douilles longues, Pathfinder

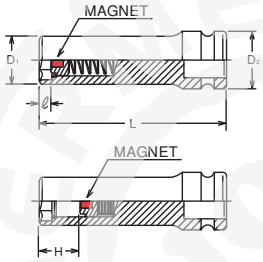


12365M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

*1 Pin/O-Ring=1200A/B ➔P105

12300G

Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissant pour écrous

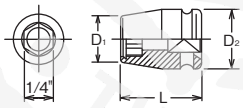


12300G (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

*1 Pin/O-Ring=1200A/B ➔P105

12139

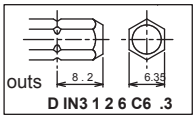
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12139-1/4	11	13	26	15	10	*1

*1 Pin/O-Ring=1200A/B ➔P105

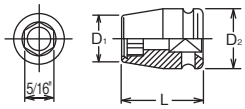
For DIN3126C6.3B its
Für DIN3126C6.3B its
Pour DIN3126C6.3Emb outs



D6.33

12140

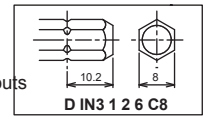
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12140-5/16	14	13	26	15	10	*1

*1 Pin/O-Ring=1200A/B ➔P105

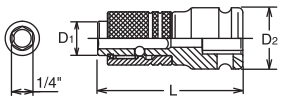
For DIN3126C8B its
Für DIN3126C8B its
Pour DIN3126C8Emb outs



D8

12142-F6.3

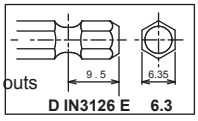
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12142-F6.3	16.5	13	36	22	10	*1

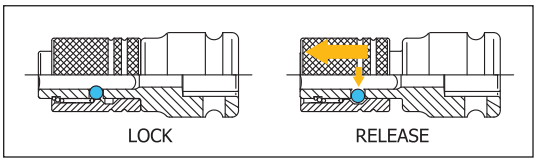
*1 Pin/O-Ring=1200A/B ➔P105

For DIN3126E6.3B its
Für DIN3126E6.3B its
Pour DIN3126E6.3Emb outs



F6.3

Lock & Quick Release



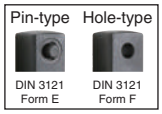
12760-55P/-75P/-100P
12760-55/-75/-100

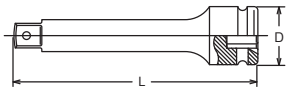
Extension Bars
Verlängerungen
Rallonges

12760-P	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
55P	Pin	13	55	26	10	*1
75P	Pin	13	75	45	10	*1
100P	Pin	13	100	50	10	*1

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

*1 Pin/O-Ring=1200A/B ➡P105



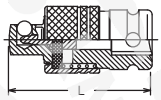


12222AL

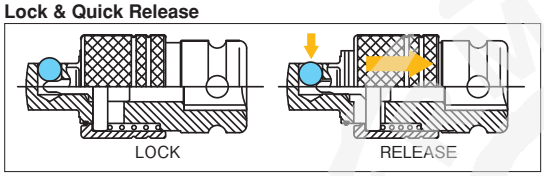
Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück
Adaptateur autoserrant

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

*1 Pin/O-Ring=1200A/B P105



Lock & Quick Release

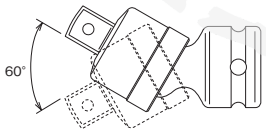


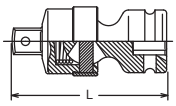
12770-P
12770

Universal Joint
Gelenk-Einsatz
Cardan universel

	TYPE	L (mm)	(g)	(pcs.)	
12770-P	Pin	39	30	10	*1
12770	Hole	39	30	10	*1

*1 Pin/O-Ring=1200A/B P105



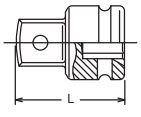


12233A-P
12233A

Adaptor
Verbindungsstück
Augmentateur

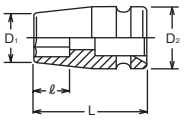
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
12233A-P	Pin	1/4"	3/8"	22	15	10	*1
12233A	Hole	1/4"	3/8"	22	15	10	*1

*1 Pin/O-Ring=1200A/B P105



13400M / 13400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



13400A (inch)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

13400M (mm)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

13405M / 13405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans

13405M (mm)	D1 (mm)	D2 (mm)	ℓ (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
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
17	24.5	22	12	32	60	10	*2
19	27	22	12	32	67	10	*2

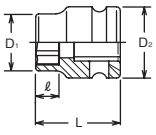
13405A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	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
➡P104-105

13401MS

6-point short sockets, Thin Walled
6-kant Steckschlüssel kurz, dünnwandig
Douilles 6-pans courtes, a paroi mince

thin



13401MS (mm)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

RS13401MS/5

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

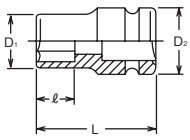
thin

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

13401M
13401A

6-point Socket, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans

thin



13401M (mm)	D1 (mm)	D2 (mm)	ℓ (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
➔P104-105

13401A (inch)	D1 (mm)	D2 (mm)	ℓ (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
➔P104-105

RS13401M/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

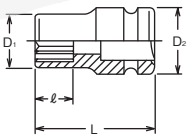
thin

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
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 12-pans

thin



13406M (mm)	D1 (mm)	D2 (mm)	ℓ (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

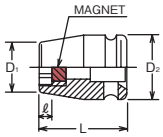
*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➔P104-105

13406A (inch)	D1 (mm)	D2 (mm)	ℓ (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
➔P104-105

13400MG / 13400AG

6-point Sockets with Magnet
6-kant Steckschlüssel mit Magnet
Douilles 6-pans avec aimant



13400AG (inch)	D1 (mm)	D2 (mm)	ℓ (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
➔P104-105

13400MG (mm)	D1 (mm)	D2 (mm)	ℓ (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
➔P104-105

13410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

13410M (mm)	D1 (mm)	D2 (mm)	ℓ (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
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
➔P104-105

13465M

Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder

13465M (mm)	D1 (mm)	D2 (mm)	ℓ (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
➔P104-105

PATHFINDER®

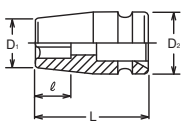
The beveled flats of the 6-points opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for using with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrspindelschrauber) ganz besonders auswirkt.

Les parois en biais des douilles en 6-pans Pathfinder assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage, engendre une productivité supérieure dans les châines de montage automatiques.

13425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



13425 (E)	D1 (mm)	D2 (mm)	ℓ (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
P104-105

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® ist ein registriertes Markenzeichen der Firma Acument Intellectual Properties, LLC.
TORX® est une marque déposée de Acument Intellectual Properties, LLC.

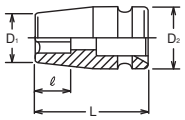
13425-EPL

TORXPLUS® Sockets
TORXPLUS® Steckschlüssel
Douilles TORXPLUS®

TORXplus®

13425 (EPL)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8EPL	12	19	5.2	32	44	10	*1
10EPL	13.3	19	6.2	32	44	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105



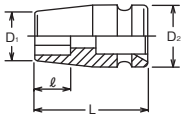
13460M / 13460A

For Self-Tapping Screws
Für selbstschneidende Schrauben
Pour vis auto-taraudeuses

13460M (mm)	D1 (mm)	D2 (mm)	ℓ (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
13	20.3	22	10	32	60	10	*2

13460A (inch)	D1 (mm)	D2 (mm)	ℓ (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 P104-105



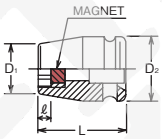
13460MG
13460AG

Sockets with magnets for Self-Tapping Screws
Steckschlüssel mit Magnet für selbstschneidende Schrauben
Douilles avec aimant pour vis auto-taraudeuses

13460MG (mm)	D1 (mm)	D2 (mm)	ℓ (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)	ℓ (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 P104-105

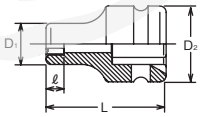


13401LH

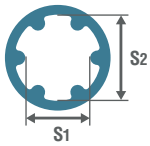
LHS Sockets
Steckschlüssel mit LHS Profil
Douilles au profil LHS

13401LH (LH-S)	D1 (mm)	D2 (mm)	ℓ (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 P104-105



LHSTIX®



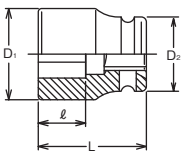
LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S1	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S2	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

13400-WN

Weld Nut Sockets
Steckschlüssel für Schweissmuttern
Douilles pour écrou à souder

13400-WN	D1 (mm)	D2 (mm)	ℓ (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 P104-105



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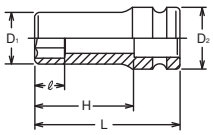
13301X

6-point Semi-Deep Socket, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans

thin



13301X (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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
➡P104-105

RS13301X/9

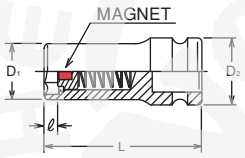
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

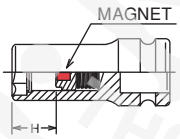
thin

RS13301X/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		710

13300XG

Impact semi-deep socket with Sliding Magnet
Impact Steckschlüssel mittel lang mit versenkbarem Magnet
Douilles semi-longues avec aimant, glissant pour écrous



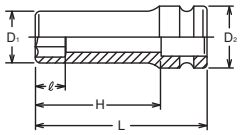


13300XG (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 7	12	19	3.5	19	50	52	10	*1
8	13.3	19	4	20.5	50	55	10	*1
10	15.8	19	4.5	20	50	62	10	*1
11	17	19	5	20	50	69	10	*1
12	18.3	19	6	20	50	73	10	*1
13	19.5	22	6.5	19	50	93	10	*2
14	20.8	22	7	18	50	98	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P104-105

13300M / 13300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



13300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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

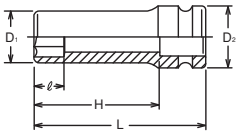
13300A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	24.5	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
➡P104-105

13301M
13301A

6-point Deep Socket, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans

thin



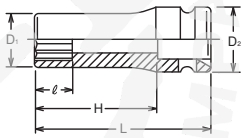
13301M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10	18.5	6	66.5	80	65	10	*1
7	11	18.5	7	66.5	80	66	10	*1
8	12.3	18.5	8	66.5	80	68	10	*1
9	13.5	18.5	9	66.5	80	70	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	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

13301A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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
➡P104-105

13305M

12-point Sockets, deep
12-kant Steckschlüssel, lang
Douilles longues, 12-pans

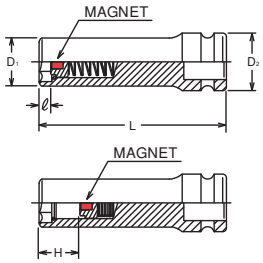


13305M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	66.5	80	82	10	*1
10	15.8	19	10	66.5	80	94	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
17	24.5	22	17	65.5	80	168	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P104-105

13300G

Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissant pour écrous

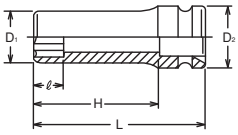


13300G (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B
➡P104-105

13310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

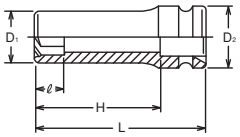


13310M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
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
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
➡P104-105

13365M

Pathfinder Sockets, deep
Pathfinder Steckschlüssel, lang
Douilles longues, Pathfinder

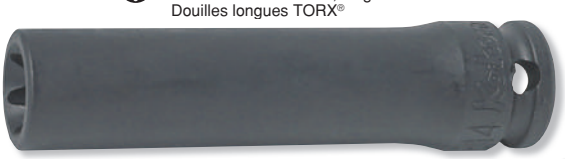


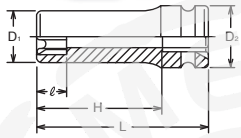
13365M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	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
➡P104-105

13325

TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



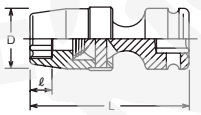


13325 (E)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 8	11.7	19	7	66.5	80	80	10	*1
E10	12.2	19	8.2	66.5	80	85	10	*1
E12	14.2	19	9.3	66.5	80	90	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	110	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
P104-105

13440M / 13440A

Universal Sockets
Gelenk-Einsätze
Douilles universelles



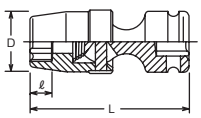
13440M (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.8	5	57	115	10	*1
11	17	6	57	115	10	*1
12	18.3	6	57	115	10	*1
13	19.5	6	57	115	10	*1
14	20.8	7	59	120	10	*1
15	22	7	59	120	10	*1
16	23.3	8	59	120	10	*1
17	24.5	8	59	120	10	*1
18	25.8	9	61	126	10	*1
19	27	10	61	130	10	*1
20	29.5	10	61	135	10	*1
21	30.7	14	66	175	10	*1
22	32	13	66	185	10	*1
24	34.5	13	68	190	10	*1

13440A (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
3/8	15.8	5	57	115	10	*1
7/16	17	6	57	115	10	*1
1/2	19.5	6	57	115	10	*1
9/16	20.8	7	59	120	10	*1
5/8	23.3	8	59	120	10	*1
11/16	24.5	8	59	120	10	*1
3/4	27	10	61	130	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B
P104-105

13440T

TORX® Universal Sockets
TORX® Gelenk-Einsätze
Douilles universelles TORX®

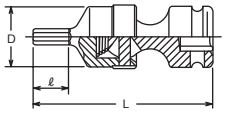


13440T (E)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
E10	13.3	8.2	58	115	10	*1
E12	15.8	9.3	58	115	10	*1
E14	17	10.6	58	115	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B
P104-105

13430M

Universal Inhex Sockets
Gelenk-Einsätze für Schrauben mit Innensechskant
Douilles universelles 6-pans mâles



13430M (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
5	24	15	74	120	10	*1
6	24	15	74	131	10	*1
8	24	20	74	136	10	*1
10	24	20	74	141	10	*1
17	24	7	53	150	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B
P104-105

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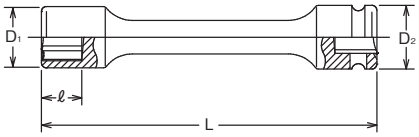
13145M-100/-150/-200/-250

Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée



13145M-150 (mm)	D1 (mm)	D2 (mm)	ℓ (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)	ℓ (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

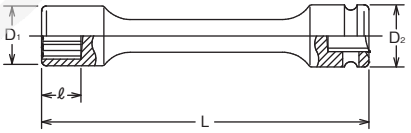
13145M-250 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	250	167	1	*1
8	13.3	19	8	250	172	1	*1
10	15.8	19	10	250	182	1	*1
12	18.3	19	12	250	190	1	*1
13	19.5	19	13	250	199	1	*1
14	20.8	19	14	250	208	1	*1
15	22	19	15	250	217	1	*1
17	24.5	19	17	250	225	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105

13145M-100 (mm)	D1 (mm)	D2 (mm)	ℓ (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-100 (12P)/-150 (12P)/-200 (12P)

Extra long 12-Point Sockets
Extra lange 12-kant Steckschlüssel
Douilles, série allongée 12 pans



13145M-100 (12P) (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	100	91	1	*1
12	18.3	19	12	100	100	1	*1

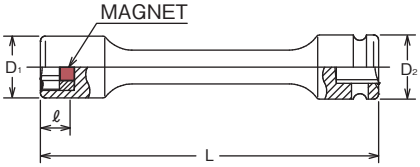
13145M-150 (12P) (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1

13145M-200 (12P) (mm)	D1 (mm)	D2 (mm)	ℓ (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 P104-105

13145MG-100/-150/-200

Extra Long Socket with Magnet
Schaftsteckschlüssel mit Magnet
Douilles, série allongée, avec aimant



13145MG-100 (mm)	D1 (mm)	D2 (mm)	ℓ (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)	ℓ (mm)	L (mm)	(g)	(pce.)	
New 8	13.3	19	3.5	150	117	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

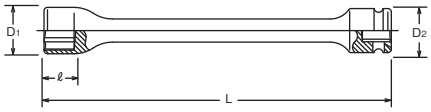
13145MG-200 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	4.2	200	182	1	*1
12	18.3	19	5.6	200	190	1	*1
13	19.5	19	6	200	208	1	*1
14	20.8	19	6.4	200	225	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105

13145A-150

Extra Long Socket
Schaftsteckschlüssel
Douilles, série allongée

thin

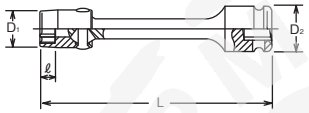


13145A-150 (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
9/16(D20)	20	19	13	150	130	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105

13146M-150/-200/-250

Extra Long Universal Sockets
Schaftsteckschlüssel mit Gelenk
Douilles, articulées, série allongée



13146M-150 (mm)	D1 (mm)	D2 (mm)	ℓ (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

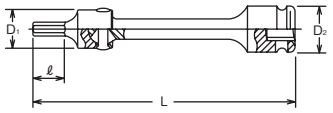
13146M-200 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
8	12	19	6	200	159	1	*1
10	14.3	19	7	200	162	1	*1
12	18	19	8	200	164	1	*1
13	19.3	19	8.5	200	163	1	*1
14	20	19	9	200	163	1	*1

13146M-250 (mm)	D1 (mm)	D2 (mm)	ℓ (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 P104-105

13147M-150/-200

Extra Long Universal Inhex Sockets
Schaftsteckschlüssel mit Aussensechskant Gelenk
Douilles, articulées, à 6-pans mâle, série allongée



13147M-150 (mm)	D1 (mm)	D2 (mm)	ℓ (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)	ℓ (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

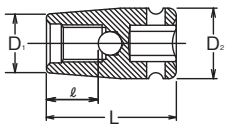
*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105

13103M

Impact Stud Bolt Setters
Impact Stehbolzensetzer
Monte-goujons Impact

13103M (mm)	D_1 (mm)	D_2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
5(0.8)	9.5	19	8	32	39	10	*1
6(1.0)	10.8	19	9	32	41	10	*1
7(1.0)	12.5	19	10	32	44	10	*1
8(1.25)	13.5	19	10.5	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

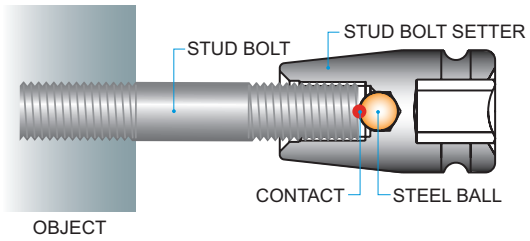
*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105



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.

Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf den Stahlbolzen, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

Douilles spéciales pour monter les goujons.
Le goujon est en contact avec une bille d’acier pour l’empêcher d’adhérer à la douille.
Après avoir posé le goujon, tourner dans le sens antihorlogique pour le retirer

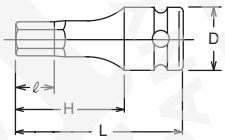


13012M-52

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux

13012M-52 (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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 ➡P104-105



RS13012M/8-L52

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS13012M/8-L52	8 Pieces Set/Rail 200mm	(g)
4, 5, 6, 7, 8, 10, 12, 14		492

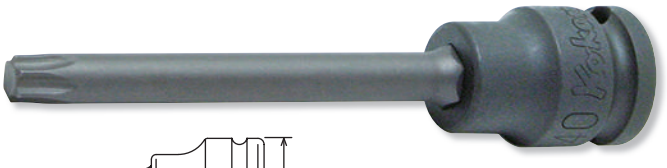
13025-50/-90

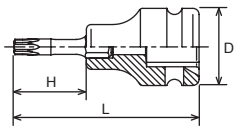
TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®

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

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 ➡P104-105





RS13025/8-L50

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS13025/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		380

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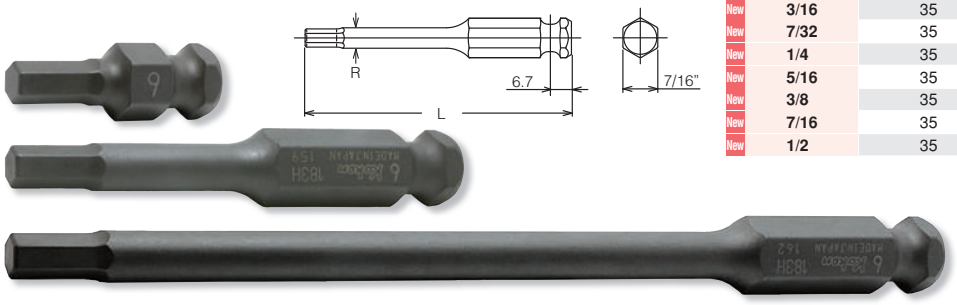
183H-35/-75/-150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux



183H-35 (inch)	L (mm)	(g)	(pcs.)
New 3/16	35	15	10
New 7/32	35	16	10
New 1/4	35	18	10
New 5/16	35	20	10
New 3/8	35	26	10
New 7/16	35	28	10
New 1/2	35	38	10

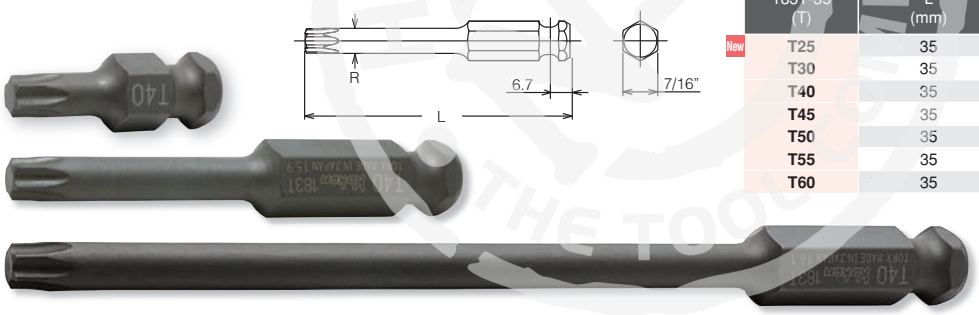
183H-35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
New 7	35	19	10
8	35	20	10
10	35	26	10
New 11	35	28	10
12	35	30	10
14	35	35	10
New 16	35	47	10
New 17	35	50	10
New 18	35	53	10
New 19	35	56	10

183H-75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6.0	34	10
4	75	6.0	35	10
5	75	6.5	36	10
6	75	7.5	39	10
New 7	75	8.5	44	10
8	75	9.5	47	10
10	75	–	57	10
New 11	75	–	60	10
12	75	–	65	10
14	75	–	79	10

183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6.0	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	–	118	10
12	150	–	136	10

183T-35/-75/-150 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®



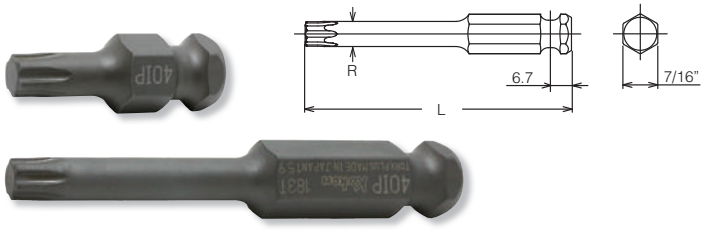
183T-35 (T)	L (mm)	(g)	(pcs.)
New T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	30	10
T60	35	38	10

183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6.0	50	10
T40	150	6.9	58	10
T45	150	8.0	70	10
T50	150	9.0	82	10
T55	150	11.4	113	10

183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	75	6.0	35	10
T40	75	6.9	37	10
T45	75	8.0	41	10
T50	75	9.0	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T-35/-75 (IP)

TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®



183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6.0	35	10
40IP	75	6.8	37	10
45IP	75	8.0	41	10
50IP	75	9.0	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

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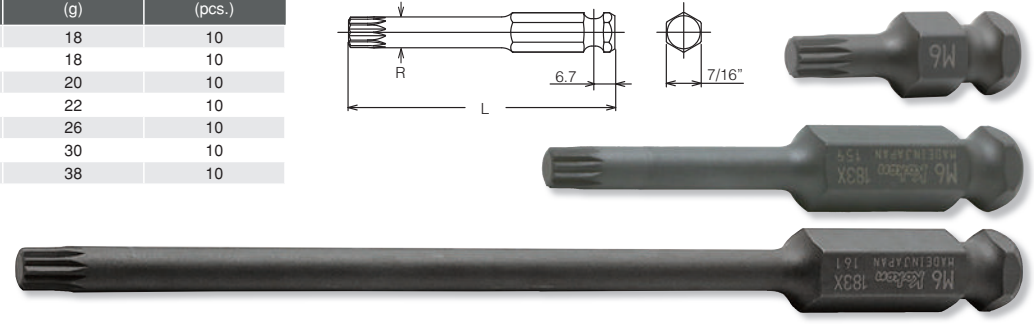
183X-35/-75/-150 (XZN)

XZN Bits
XZN Bits
Embouts, XZN

183X-35 (XZN)	L (mm)	(g)	(pcs.)
New 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.)
New M 4	75	6.0	34	10
M 5	75	6.0	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6.0	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10

13134

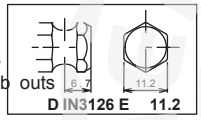
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

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

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

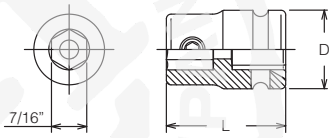
P104-105

For DIN3126E1 1.2B its
Für DIN3126E1 1.2B its
Pour DIN3126E1 1.2Emb outs



F11.2

Replacement Screw : M8×5, ⬢ 4mm
Ersatzschraube : M8×5, ⬢ 4mm
Vis de remplacement : M8×5, ⬢ 4mm



13142-F11.2

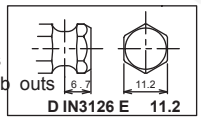
Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	18.9	22	46	116	10	*1

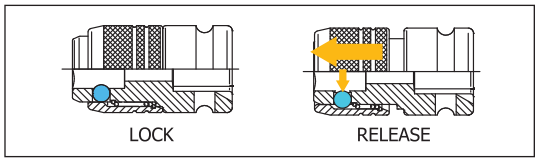
*1 C-Ring=1302C,Pin/O-Ring=1302A/B

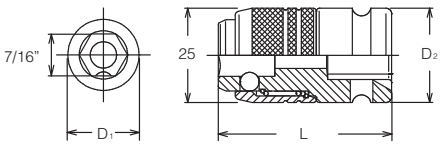
P104-105

For DIN3126E1 1.2B its
Für DIN3126E1 1.2B its
Pour DIN3126E1 1.2Emb outs



F11.2



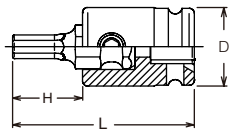


13134M-52/-92

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux

	13134M-52/-92 (mm)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	L=52/92 (pcs.)	
New	3	22	20.6	52	92	6.0	85	104	10	*1
New	4	22	20.6	52	92	6.0	85	105	10	*1
New	5	22	20.6	52	92	6.5	85	106	10	*1
New	6	22	20.6	52	92	7.5	88	109	10	*1
New	8	22	20.6	52	92	9.5	90	117	10	*1
New	10	22	20.6	52	92	–	96	127	10	*1
New	12	22	20.6	52	92	–	100	135	10	*1
New	14	22	20.6	52	92	–	105	149	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➡P104-105

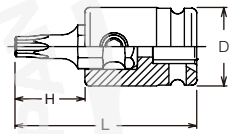


13134T-52/-92 (T)

Bit Holder complete with TORX® Bit
Klingenhalter, komplett mit TORX® Klinge
Porte embouts avec bit TORX®

	13134T-52/-92 (T)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	L=52/92 (pcs.)	
New	T30	22	20.6	52	92	6.0	88	105	10	*1
New	T40	22	20.6	52	92	6.9	90	107	10	*1
New	T45	22	20.6	52	92	8.0	92	111	10	*1
New	T50	22	20.6	52	92	9.0	96	115	10	*1
New	T55	22	20.6	52	92	11.4	100	125	10	*1
New	T60	22	20.6	52	92	13.5	108	137	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➡P104-105

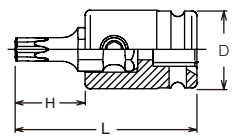


13134T-52/-92 (IP)

Bit Holder complete with TORXPLUS® Bit
Klingenhalter, komplett mit TORXPLUS® Klinge
Porte embouts avec bit TORXPLUS®

	13134T-52/-92 (IP)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	L=52/92 (pcs.)	
New	30IP	22	20.6	52	92	6.0	88	105	10	*1
New	40IP	22	20.6	52	92	6.8	90	107	10	*1
New	45IP	22	20.6	52	92	8.0	92	111	10	*1
New	50IP	22	20.6	52	92	9.0	96	115	10	*1
New	55IP	22	20.6	52	92	11.4	100	126	10	*1
New	60IP	22	20.6	52	92	13.5	108	139	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➡P104-105

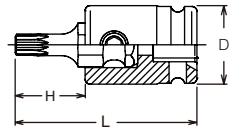


13134X-52/-92 (XZN)

Bit Holder complete with XZN Bit
Klingenhalter, komplett mit XZN Klinge
Porte embouts avec bit XZN

	13134X-52/-92 (XZN)	D (mm)	H (mm)	L (mm)	L (mm)	R (mm)	L=52 (g)	L=92 (g)	L=52/92 (pcs.)	
New	M 5	22	20.6	52	92	6.0	88	104	10	*1
New	M 6	22	20.6	52	92	6.2	90	106	10	*1
New	M 8	22	20.6	52	92	7.4	92	109	10	*1
New	M10	22	20.6	52	92	9.8	96	124	10	*1
New	M12	22	20.6	52	92	11.7	100	129	10	*1
New	M14	22	20.6	52	92	13.5	108	139	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B ➡P104-105



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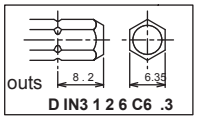
	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13139-1/4	11	19	30	32	10	*1

*1 C-Ring=1301C,Pin/O-Ring=1301A/B P104-105

For DIN 3126C 6.3B its
Für DIN 3126C 6.3B its
Pour DIN 3126C 6.3 Embouts

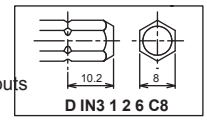


D6.33

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13140-5/16	14	19	30	32	10	*1

*1 C-Ring=1301C,Pin/O-Ring=1301A/B P104-105

For DIN 3126C 8B its
Für DIN 3126C 8B its
Pour DIN 3126C 8 Embouts

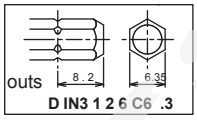


D8

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-D6.3	16	19	45	60	10	*1

*1 C-Ring=1301C,Pin/O-Ring=1301A/B P104-105

For DIN 3126C 6.3B its
Für DIN 3126C 6.3B its
Pour DIN 3126C 6.3 Embouts

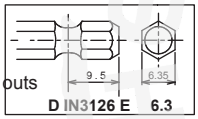


D6.33

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-F6.3	16.5	19	45	60	10	*1

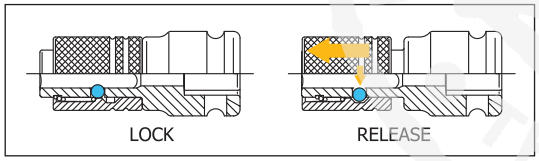
*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105

For DIN 3126E6 .3B its
Für DIN 3126E6 .3B its
Pour DIN 3126E6 .3 Embouts



F6.3

Lock & Quick Release



13760-P (mm)	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
50P	Pin	22	50	70	10	*1
75P	Pin	22	75	95	10	*1
100P	Pin	22	100	115	10	*1
125P	Pin	22	125	140	10	*1
150P	Pin	22	150	165	10	*1
200P	Pin	22	200	215	10	*1
250P	Pin	22	250	260	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B P104-105

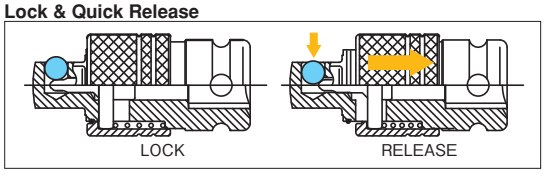
13760 (mm)	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
75	Hole	22	75	95	10	*1
100	Hole	22	100	120	10	*1
125	Hole	22	125	141	5	*1
150	Hole	22	150	165	5	*1
200	Hole	22	200	210	5	*1
250	Hole	22	250	260	5	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B P104-105

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

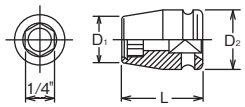
*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105

Lock & Quick Release



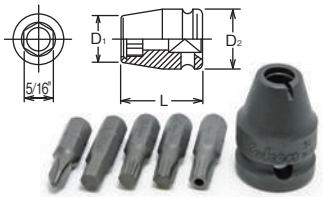
13139

Bit Holder
Klingenhalter
Porte-embout



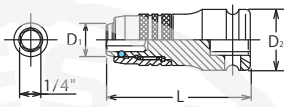
13140

Bit Holder
Klingenhalter
Porte-embout



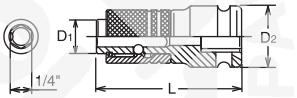
13142-D6.3

Impact Bit Holder (Quick Release)
Impact Kingenhalter (Schnellwechselfutter)
Porte embout Impact (mandrin autoserrant)



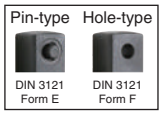
13142-F6.3

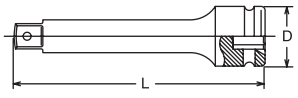
Impact Bit Holder (Quick Release)
Impact Kingenhalter (Schnellwechselfutter)
Porte embout Impact (mandrin autoserrant)



13760-50P/-75P/-100P/-125P/-150P/-200P/-250P
13760-75/-100/-125/-150/-200/-250

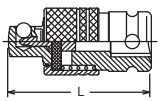
Extension Bars
Verlängerungen
Rallonges





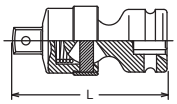
13333AL

Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



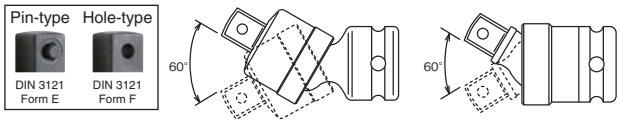
13770-P
13770

Universal Joint
Gelenk-Einsatz
Cardan universel



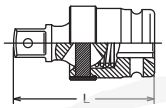
	TYPE	L (mm)	(g)	(pcs.)	
13770-P	Pin	56	110	10	*1
13770	Hole	56	110	10	*1
13771-P	Pin	48	92	10	*1
13771	Hole	48	92	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B P104-105



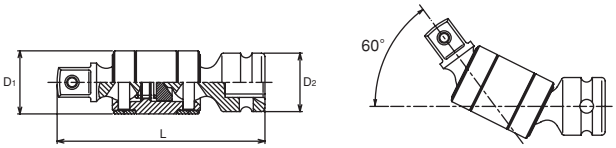
13771-P
13771

Universal Joint
Gelenk-Einsatz
Cardan universel



13772-P

Universal Double Joint
Doppelgelenk-Einsatz
Cardan universel double



	TYPE	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13772-P	Pin	22	19	75	120	5	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105

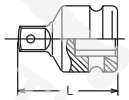
Make sure sockets hold bolts or nuts before operation.

Vergewissern Sie sich vor dem Gebrauch, dass der Steckschlüssel die Schraube sicher umfasst hat.

Avant la manipulation, il est nécessaire de s’ assurer que la douille renferme parfaitement la vis.

13322A-P
13322A

Adaptor
Verbindungsstück
Réducteur ⚠



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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105

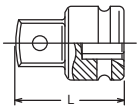
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

13344A-P
13344A

Adaptor
Verbindungsstück
Augmentateur



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
13344A-P	Pin	3/8"	1/2"	32.5	53	10	*1
13344A	Hole	3/8"	1/2"	32.5	53	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B P104-105

13241M

Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

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	

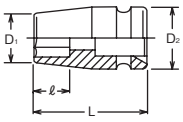
13242M

Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

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	

14400M / 14400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



14400M (mm)	D1 (mm)	D2 (mm)	ℓ (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
New 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
➡P104-105

14400A (inch)	D1 (mm)	D2 (mm)	ℓ (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
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
➡P104-105

14405M / 14405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans

14405M (mm)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

14405A (inch)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

RS14405M/11

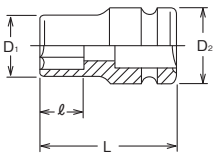
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS14405M/11	11 Pieces Set/Rail 300mm	(g)
9,10,11,12,13,14,15,16,17,18,19		1,250

14401M
14401A

6-point Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans

thin



14401A (inch)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

14401M (mm)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

RS14401M/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

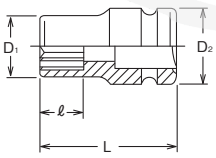
thin

RS14401M/10	10 Pieces Set/Rail 300mm	(g)
	10, 12, 13, 14, 17, 19, 21, 22, 24, 27	1,010

14406M
14406A

12-point Sockets, Thin Walled
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 12-pans

thin



14406A (inch)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

14406M (mm)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

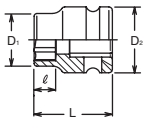
14401MS

6-point short sockets, Thin Walled
6-kant Steckschlüssel kurz, dünnwandig
Douilles 6-pans courtes, à paroi mince

thin

14401MS (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
14	20.5	24	10	29	50	10	*1
17	24.2	29	10	29	85	10	*2
19	26.7	29	10	29	85	10	*2
22	30.5	29	10	29	90	10	*2
24	33	29	10	29	90	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105



RS14401MS/5

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

thin

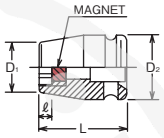
RS14401MS/5	5 Pieces Set/Rail 150mm	(g)
14, 17, 19, 22, 24		420

14400MG

6-point Sockets with Magnet
6-kant Steckschlüssel mit Magnet
Douilles 6-pans avec aimant

14400MG (mm)	D1 (mm)	D2 (mm)	ℓ (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	13.5	38	165	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105

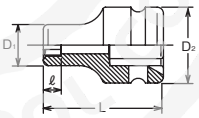


14401LH

LHS Sockets
Steckschlüssel mit LHS Profil
Douilles au profil LHS

14401LH (LH-S)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

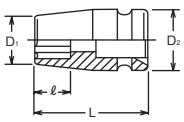


14410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

14410M (mm)	D1 (mm)	D2 (mm)	ℓ (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	285	5	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105



SURFACE DRIVE

Surface drive sockets are designed to retain contact with the flat sides of the nut to reduce a damage on the nut/bolt.
The enlarged six corners of the opening allows for quick and easy engagement of the nut/bolt.

Surface Drive Steckschlüssel greifen die Schrauben an den Flächen der 6-Kante, dies verhindert eine Beschädigung des Schraubenkopfes.
Die vergrößerten Ecken des Steckschlüssels erleichtern das Einfädeln des Werkzeugs auf Muttern und Schrauben.

Les douilles Surface Drive sont conçues de façon à retenir les vis aux surfaces du 6 pans, afin d'éviter des dégâts sur la tête de la vis.
Les angles élargis de la douille facilitent l'enfilage des outils sur écrous et vis.

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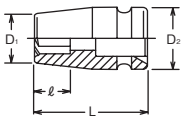
14465M

Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder



14465M (mm)	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

PATHFINDER®

The beveled flats of the 6-points opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for using 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.

Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrspindelschrauber) ganz besonders auswirkt.

Les parois en biais des douilles en 6-pans Pathfinder assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage, engendre une productivité supérieure dans les châines de montage automatiques.

14415M

Double 4-point Socket
Doppelvierkant Steckschlüssel
Douilles 4-pans, doubles

14415M (mm)	D1 (mm)	D2 (mm)	ℓ (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

*1 C-Ring=1402C, Pin/O-Ring=1402A/B
P104-105

14425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®

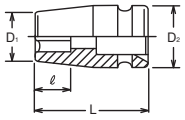
14425 (E)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	38	89	10	*1
E20	24.2	30	14.4	38	134	10	*2
E22	26.2	30	15.5	40	140	10	*2
E24	28.2	30	17	40	138	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105

14425-EPL

TORXPLUS® Sockets
TORXPLUS® Steckschlüssel
Douilles TORXPLUS®

TORXplus®

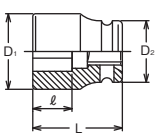


14425 (EPL)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10EPL	14.5	25	6.2	38	86	10	*1
12EPL	17	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	20.7	25	9.1	38	88	10	*1
18EPL	22	25	10.2	40	90	10	*1
20EPL	24.5	30	11.2	40	135	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105

14400-WN

Weld Nut Sockets
Steckschlüssel für Schweissmuttern
Douille pour écrou à souder



14400-WN	D1 (mm)	D2 (mm)	ℓ (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
➡P104-105

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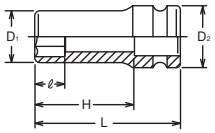
14301X

6-point Semi-Deep Socket, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans

thin



14301X (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	42	60	72	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
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
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
➡P104-105

RS14301X/10

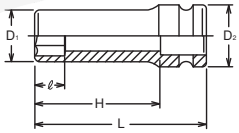
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

thin

RS14301X/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,585

14300M / 14300A

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



14300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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	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
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	640	2	*2
41	55.7	30	38	60	85	690	2	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105

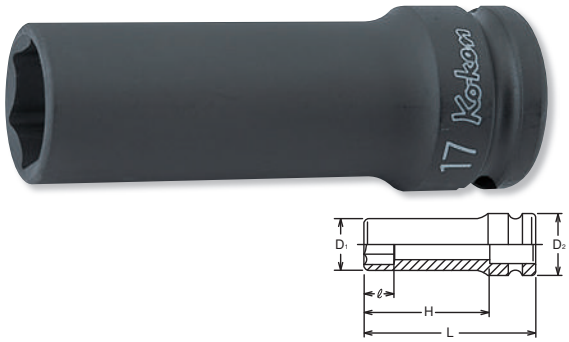
14300A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	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
➡P104-105

14301M / 14301A

6-point Deep Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans

thin



14301A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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
New 1. 1/8	39.2	29	29	63	85	349	10	*2

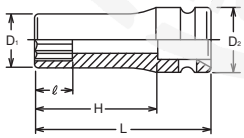
*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105

14301M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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
New 38	50.5	29	38	61	85	508	2	*2
New 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
➡P104-105

14305M

12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues 12-pans



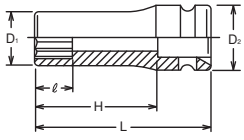
14305M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	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
24	34.5	30	24	65	85	329	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	28	64	85	390	10	*2
30	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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105

14306M

12-point Deep Sockets, Thin Walled
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 12-pans

thin



14306M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 8	13	24	8	62	80	88	10	*1
10	15.5	24	10	62	80	98	10	*1
New 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
New 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

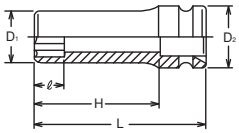
*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105

14310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

14310M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	450	10	*2
31	43.2	30	31	63	85	505	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
➡P104-105

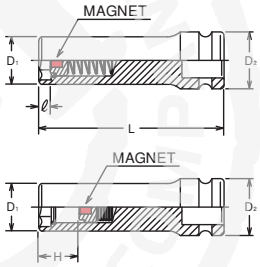


14300G

Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissant pour écrous

14300G (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	4.5	26	80	139	10	*1
12	19.5	25	6	26	80	165	10	*1
13	20.7	25	6.5	25	80	185	10	*1
14	22	25	7	24	80	189	10	*1
15	23.2	30	7	24	80	240	10	*2
16	24.5	30	7.5	26.5	80	270	10	*2
17	25.7	30	8	26.5	80	272	10	*2
18	27	30	8.5	26.5	80	290	10	*2
19	28.2	30	9	27.5	80	308	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105

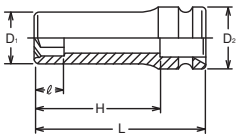


14365M

Pathfinder Sockets, deep
Pathfinder Steckschlüssel, lang
Douilles longues, Pathfinder

14365M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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
➡P104-105

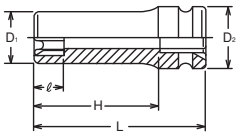


14325

TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®

14325 (E)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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
➡P104-105



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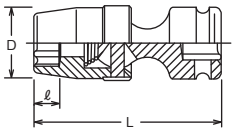
TORX® ist ein registriertes Markenzeichen der Firma Acument Intellectual Properties, LLC.
TORX® est une marque déposée de Acument Intellectual Properties, LLC.

14440M / 14440A

Universal Sockets
Gelenk-Einsätze
Douilles universelles



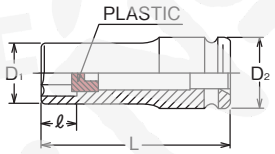
14440M (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
13	20.7	6	67.5	210	10	*1
14	22	7	69.5	210	10	*1
15	23.2	7	69.5	210	10	*1
16	24.5	8	69.5	206	10	*1
17	25.7	8	69.5	220	10	*1
18	27	9	69.5	218	10	*1
19	28.2	10	73.5	260	10	*1
20	29.5	10	73.5	270	10	*1
21	30.7	11	73.5	280	10	*1
22	32	13	73.5	290	10	*1
24	34.5	14	73.5	300	10	*1

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

*1 C-Ring=1402C, Pin/O-Ring=1402A/B P104-105

14113J

Impact Sockets with Plastic Stops for Hub Cap Screws
Impact Steckschlüssel mit Plastik-Anschlag für Zier-Radmuttern
Douilles Impact avec arrêt en plastique, pour écrous de roue décoratifs

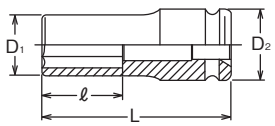


14113J (mm)	D_1 (mm)	D_2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	25.7	30	14	80	251	10	*1
19	28.2	30	16	80	286	10	*1
21	30.7	30	20	80	309	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B P104-105

14113M

Impact Socket for Hub Cap Crews, with extra deep 6-point
Impact Steckschlüssel für Zier-Radmuttern, mit extra tiefem 6-Kant
Pour écrous de roue décoratifs

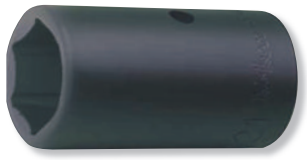


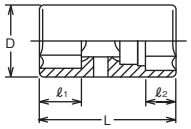
14113M (mm)	D_1 (mm)	D_2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	25.7	30	34	80	230	10	*1
19	28.2	30	38	80	262	10	*1
21	30.7	30	42	80	285	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B P104-105

14118M

Wheel Nut Sockets, Double Ended
Radmuttern Steckschlüssel, doppelseitig
Douilles pour écrous de roue á ouvertures doubles



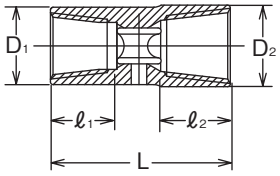


14118M (mm)	D (mm)	ℓ_1 (mm)	ℓ_2 (mm)	L (mm)	(g)	(pcs.)
17×19	28	15.5	13	48	150	10
19×21	31	17.5	13	57	177	10
19×22	31	17.5	15	57	187	10

14124

Lock Nut Busters (Double Ended)
Felgenschloss-Knacker, doppelseitig
Douilles taraudées à ouvertures doubles pour dévisser les écrous ou goujons de roue antivols.

14124 (mm)	D_1 (mm)	D_2 (mm)	ℓ_1 (mm)	ℓ_2 (mm)	L (mm)	(g)	(pcs.)
21×24.5	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
Felgenschloss-Knacker, doppelseitig im Satz
Jeu de douilles taraudées à ouvertures doubles pour dévisser les écrous ou goujons de roue antivols.

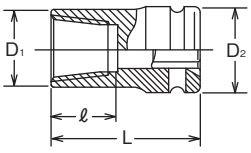
14124/3	3 Pieces Set/=580g
CARDBOARD BOX:W125×H91×T43mm	
Sockets	Accessory
14124 21×24.5 26×27.5	14760-75B

14124

Lock Nut Busters
Felgenschloss-Knacker
Douilles taraudées pour dévisser les écrous ou goujons de roue antivols.

14124 (mm)	D_1 (mm)	D_2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	20.5	25	15	50	83	10	*1
18	21	25	15	50	83	10	*1
18.5	23	25	15	50	95	10	*1
19	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
➡P104-105



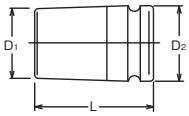
RS14124/7

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS14124/7	7 Pieces Set/Rail 250mm	(g)
	18, 18.5, 19, 21, 24.5, 26, 27.5	980

14100M / 14100A

Impact Screw and Stud Pullers
Impact Stehbolzendreher
Extracteurs de goujons Impact



14100M (mm)	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
6	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)	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
1/4	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
➡P104-105

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

Der neue Körper mit sechs Walzenmulden verteilt den Druck auf den Käfig und die Walzen weitaus vorteilhafter.

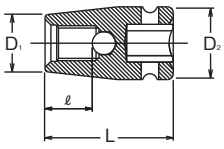
La forme hexagonale du corps améliore les tolérances.
Elle répartit l'effort de façon plus uniforme sur la cage et les rouleaux.

Tolerance

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		

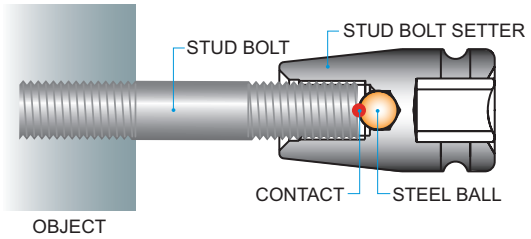
14103M

Impact Stud Bolt Setters
Impact Stehbolzensetzer
Monte-goujons Impact



14103M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6(1.0)	12	25	10	38	75	10	*1
7(1.0)	13.2	25	11.4	38	78	10	*1
8(1.25)	14.5	25	11.5	38	81	10	*1
10(1.25)	17	25	13.5	44	106	10	*1
10(1.5)	17	25	13.5	44	106	10	*1
12(1.25)	19.5	25	15.5	44	107	10	*1
12(1.75)	19.5	25	15.5	44	107	10	*1
14(1.5)	22	25	18.2	48	128	10	*1
14(2.0)	22	25	18.2	48	128	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
P104-105



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.

Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf den Stahlbolzen, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

Douilles spéciales pour monter les goujons.
Le goujon est en contact avec une bille d'acier pour l'empêcher d'adhérer à la douille.
Après avoir posé le goujon, tourner dans le sens antihorlogique pour le retirer

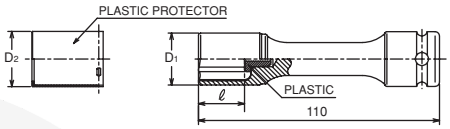
14145PM-110

Wheel Nut Sockets Set
Radmuttern Steckschlüssel im Satz
Douilles pour écrous de roue

thin

14145PM-110 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	Shaft Color	(g)	(pcs.)	
17	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 P104-105



14201M	3 Pieces Set/=690g
CARDBOARD BOX:W125×H95×T34mm	
Sockets	
14145PM.110 Impact Wheel Nut Sockets 17, 19, 21	

14201M

Wheel Nut Sockets Set
Radmuttern Steckschlüssel im Satz
Douilles pour écrous de roue

thin

PLASTIC PROTECTOR
KUNSTSTOFF HÜLSE
PROTECTION EN PLASTIQUE

A detachable plastic protector is fi tted 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.

Zum Schutz empfi ndlicher Leichtmetallfelgen ist eine drehbare und abnehmbare Kunststoff Hülse an dem Steckschlüssel montiert. Die aufgedruckten Markierungen am Werkzeugschaft zeigen außerdem ob das Werkzeug steht oder rotiert.

La douille est pourvue d'un insert en plastique détachable. Il sert à prévenir tout dommage aux jantes lors de l'utilisation des douilles.
Le marquage sur la tige rend l'identifi cation des douilles très facile.

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.**

EXTRA THIN WALL
EXTRA DÜNNWANDIG
PAROIS EXTRA MINCES

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 identifi cation easy.
-Plastic insert helps prevent damaged to wheel nut.

Speziell entwickelt für die Montage von Radmuttern
- Die Länge von 110mm erlaubt es mit diesem Steckschlüssel auch extra tiefe Radmuttern zu erreichen.
- Dieser Steckschlüssel ist ideal für Radmuttern von Aluminiumfelgen, da gerade dort der Platz zwischen Schraube und Felge äußerst gering ist.
- Durch die farbige Markierung; blau(17mm), Rot(19mm), Gelb(21mm) und Weiß(22mm) wird die Erkennung des passenden Werkzeugs erleichtert.
- Der Plastikanschlag schont die Radmutter vor Beschädigungen.

Douilles spécialement conçues pour les écrous de roue :
- La longueur de 110mm permet d'atteindre les écrous enfoncés profondément.
- Idéales pour les écrous des jantes en aluminium où le passage est souvent étroit
- Les corps de couleurs différentes facilitent l'identifi cation : bleu (17mm), rouge (19mm), jaune (21mm) et blanc (22mm)
- Les inserts en plastique évitent de détériorer les jantes.

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

14145A-150

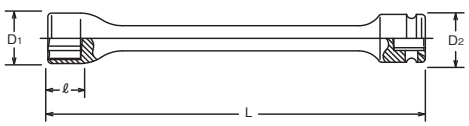
Extra Long Socket
Schaftsteckschlüssel
Douilles, série allongée

thin

14145A-150 (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
9/16(D20)	20	25	13	150	200	1	*1

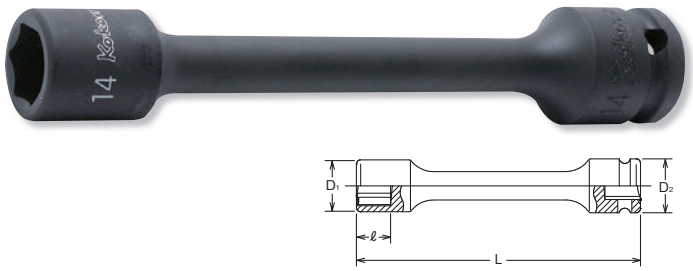
*1 C-Ring=1401C, Pin/O-Ring=1401A/B P104-105

For Land Rover Prop Shaft



14145M-100/-150/-200/-250

Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée



14145M-100 (mm)	D1 (mm)	D2 (mm)	ℓ (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)	ℓ (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)	ℓ (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

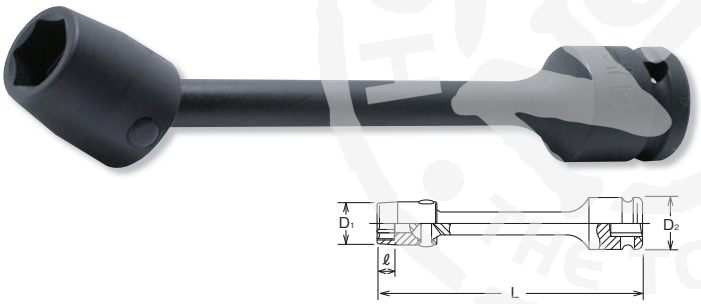
*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔P104-105

14145M-250 (mm)	D1 (mm)	D2 (mm)	ℓ (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 ➔P104-105

14146M-150/-200/-250

Extra Long Universal Sockets
Schaftsteckschlüssel mit Gelenk
Douilles, articulées, série allongée



14146M-150 (mm)	D1 (mm)	D2 (mm)	ℓ (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)	ℓ (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

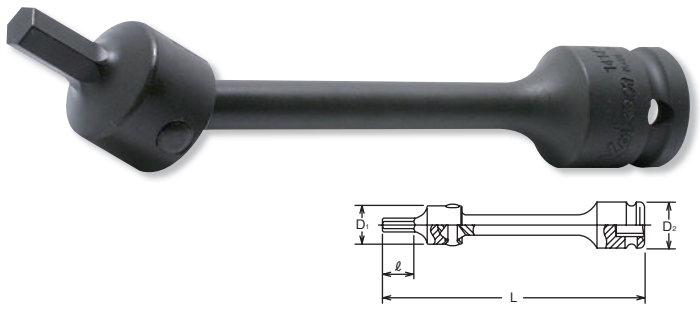
*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔P104-105

14146M-250 (mm)	D1 (mm)	D2 (mm)	ℓ (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 ➔P104-105

14147M-150/-200

Extra Long Universal Inhex Sockets
Schaftsteckschlüssel mit Aussensechskant Gelenk
Douilles, articulées, à 6-pans mâle, série allongée



14147M-150 (mm)	D1 (mm)	D2 (mm)	ℓ (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

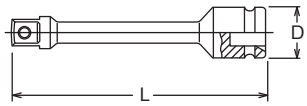
14147M-200 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	200	244	1	*1
8	25	25	15	200	249	1	*1
10	25	25	15	200	254	1	*1
12	25	25	15	200	261	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➔P104-105

14112-P

Torsion Extension Bars (for tightening only)
Torsionsstab-Verlängerungen (nur zum Anziehen)
Barres de torsion (pour serrage seulement)

14112-P (Nm)	D (mm)	L (mm)	(g)	(pce.)	
90Nm	25	208	206	1	*1
95Nm	25	202	200	1	*1
100Nm	25	196	198	1	*1
110Nm	25	213	220	1	*1
120Nm	25	201	219	1	*1
130Nm	25	205	225	1	*1
140Nm	25	205	230	1	*1
150Nm	25	195	250	1	*1
170Nm	25	195	257	1	*1

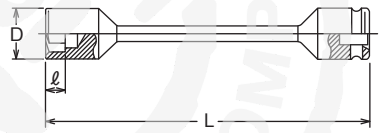


*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P104-105

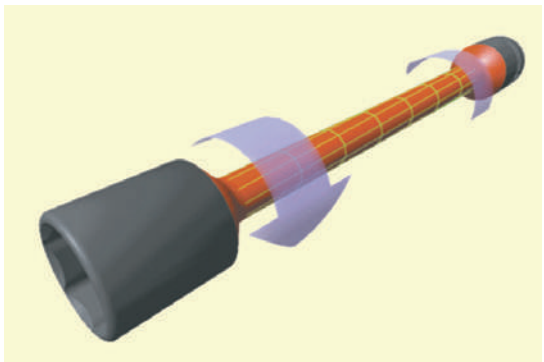
14101M

Torsion Bars (for tightening only)
Torsionsstäbe (nur zum Anziehen)
Barres de torsion (pour serrage seulement)

14101M (mm×Nm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
14× 95Nm	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 P104-105



As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/ Torsionsstab mittels eines Drehmomentschlüssels.

Etant donné que le couple peut varier selon modèle, la capacité ou l’état de la clé à choc, le contrôle de la combinaison clé à choc/barre par clé dynamométrique est indispensable.

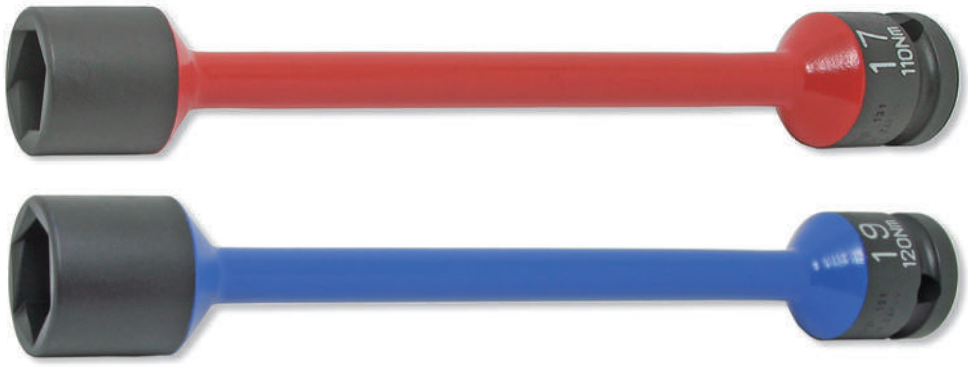
How to use Torsion Bar:
1. Use with a 1/2” Sq. Dr. Pneumatic impact wrench.
2. Set air pressure 0.6MPa, and set impact wrench dial Medium range.
3. Chose a suitable Torsion bar according to wheel nut size and indicated tightening torque.
4. Attach the torsion bar to impact wrench and apply load.
5. Check 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.

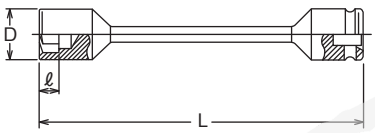
Anwendung der Torsionsstäbe:
1. Verwendung mit Druckluft-Schlagschraubern mit 1/2” Anschlussvierkant.
2. Stellen Sie den Druck auf 6 Bar ein, und wählen Sie die mittlere Einstellung am Schlagschrauber.
3. Wählen Sie den passenden Torsionsstab (Kombination aus Schlüsselweite der Radschraube und Drehmoment) aus, und befestigen ihn am Gerät.
4. Ziehen Sie nun die Radmutter an, bis sich der Torsionsstab nicht weiter dreht.
5. Überprüfen Sie das Anzugsmoment mit dem Drehmomentschlüssel.
6. Passen Sie den Luftdruck bzw. die Einstellung am Schrauber dem Resultat der Drehmomentüberprüfung (Punkt 5.) an.
7. Ziehen Sie nun alle Radschrauben diagonal an.

Conseils d´utilisation:
1. A utiliser avec une visseuse à chocs pneumatique en carré entraînant 1/2”.
2. Choisissez comme pression d’air 0.6HPa et ensuite la position moyenne de la visseuse.
3. Prenez une barre de torsion correspondant à l’ouverture du 6-pans de la vis ainsi qu’au couple nécessaire.
4. Serrez la vis jusqu’à l’arrêt de la barre de torsion.
5. Contrôlez le couple avec une clé dynamométrique.
6. Ajustez pression et/ou couple selon le résultat du contrôle sous 5.
7. Serrez toutes les vis en diagonale.

14101MP

Torsion Bars (for tightening only)
Torsionsstäbe (nur zum Anziehen)
Barres de torsion (pour serrage seulement)





14101MP (mm×Nm)	D (mm)	ℓ (mm)	L (mm)	Shaft Color	(pcs.)	
17× 95Nm	25.7	12	214		10	*1
17×110Nm	25.7	12	204		10	*1
17×120Nm	25.7	12	200		10	*1
19× 90Nm	28.2	13	259		10	*1
19×100Nm	28.2	13	233		10	*1
19×120Nm	28.2	13	203		10	*1
19×140Nm	28.2	13	199		10	*1
21×100Nm	30.7	14	214		10	*1
21×120Nm	30.7	14	203		10	*1
22×150Nm	30.7	14	220		10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P104-105

As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/Torsionsstab mittels eines Drehmomentschlüssels.

Etant donné que le couple peut varier selon modèle, la capacité ou l'état de la clé à choc, le contrôle de la combinaison clé à choc/barre par clé dynamométrique est indispensable.

14101MP-M/8

Metal-Wall-Hanger for Workshops
Werkstatt-Wandhänger (Metall)
Support métallique d'atelier

14101MP-M/8 8 Pieces Set/⚠=2,300g
HANGER

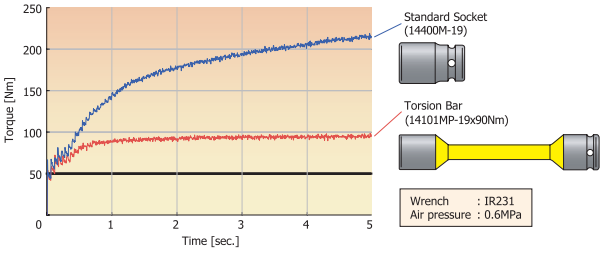
Torsion Bar

14101MP Impact Torsion Bars
17×95Nm, 17×110Nm, 17×120Nm,
19×90Nm, 19×100Nm, 19×120Nm, 19×140Nm, 21×100Nm

Torsion Bars
- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Color coded shafts make size identification easy.

Torsionsstäbe
- Zur Montage von Radmuttern mit dem Schlagschrauber.
- Schützt die Radmutter vor zu hohen Anzugsmomenten.
- Die Farbmarkierung erleichtert das Erkennen des passenden Werkzeugs.

Barres de torsion
- Pour le montage d'écrous de roue avec visseuse à chocs.
- Protège l'écroue d'un serrage à couple excessif.
- La colorisation des barres facilite l'identification des tailles.

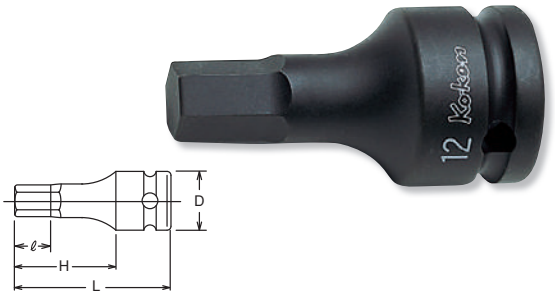


14012M-60

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux

14012M-60 (mm)	D (mm)	ℓ (mm)	H (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
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 ➡P104-105



RS14012M/10-L60

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS14012M/10-L60	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,300

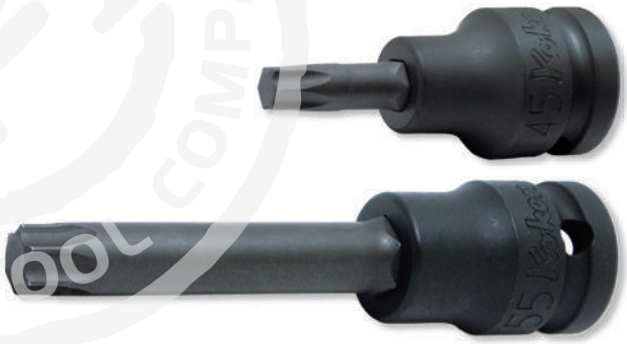
14025-60/-100

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®

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

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B ➡P104-105



RS14025/6-L60

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

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

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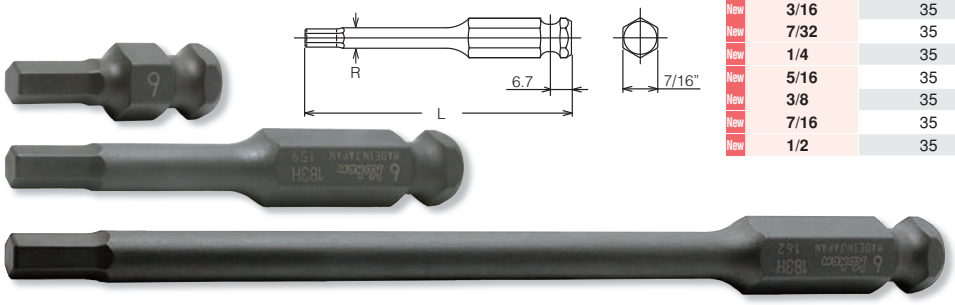
183H-35/-75/-150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux



	183H-35 (inch)	L (mm)	(g)	(pcs.)
New	3/16	35	15	10
New	7/32	35	16	10
New	1/4	35	18	10
New	5/16	35	20	10
New	3/8	35	26	10
New	7/16	35	28	10
New	1/2	35	38	10

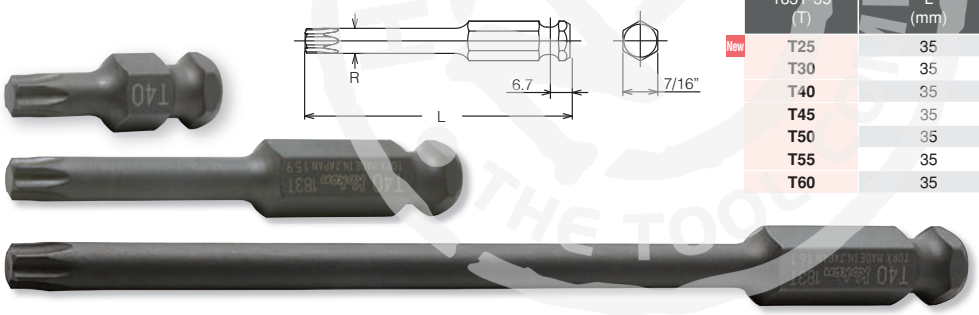
183H-35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
New 7	35	19	10
8	35	20	10
10	35	26	10
New 11	35	28	10
12	35	30	10
14	35	35	10
New 16	35	47	10
New 17	35	50	10
New 18	35	53	10
New 19	35	56	10

183H-75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6.0	34	10
4	75	6.0	35	10
5	75	6.5	36	10
6	75	7.5	39	10
New 7	75	8.5	44	10
8	75	9.5	47	10
10	75	–	57	10
New 11	75	–	60	10
12	75	–	65	10
14	75	–	79	10

183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6.0	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	–	118	10
12	150	–	136	10

183T-35/-75/-150 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®



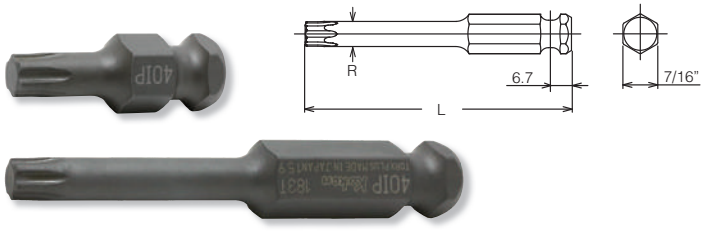
	183T-35 (T)	L (mm)	(g)	(pcs.)
New	T25	35	18	10
	T30	35	18	10
	T40	35	20	10
	T45	35	22	10
	T50	35	26	10
	T55	35	30	10
	T60	35	38	10

183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6.0	50	10
T40	150	6.9	58	10
T45	150	8.0	70	10
T50	150	9.0	82	10
T55	150	11.4	113	10

183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	75	6.0	35	10
T40	75	6.9	37	10
T45	75	8.0	41	10
T50	75	9.0	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T-35/-75 (IP)

TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®



183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6.0	35	10
40IP	75	6.8	37	10
45IP	75	8.0	41	10
50IP	75	9.0	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

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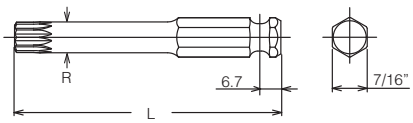
183X-35/-75/-150 (XZN)

XZN Bits
XZN Bits
Embouts, XZN

183X-35 (XZN)	L (mm)	(g)	(pcs.)
New 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.)
New M 4	75	6.0	34	10
M 5	75	6.0	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6.0	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10

14134

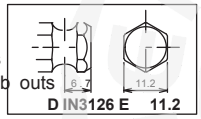
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

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

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

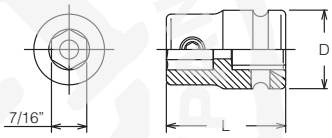
P104-105

For DIN3126E1 1.2B its
Für DIN3126E1 1.2B its
Pour DIN3126E1 1.2Embouts



F11.2

Replacement Screw : M8×5, ⬢ 4mm
Ersatzschraube : M8×5, ⬢ 4mm
Vis de remplacement : M8×5, ⬢ 4mm



14142-F11.2

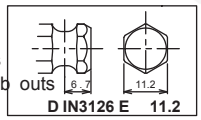
Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14142-F11.2	18.9	25	46	207	10	*1

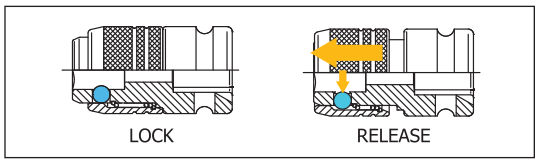
*1 C-Ring=1401C,Pin/O-Ring=1401A/B

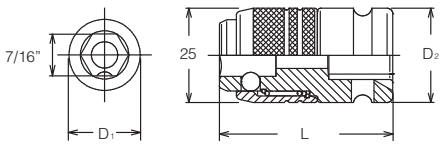
P104-105

For DIN3126E1 1.2B its
Für DIN3126E1 1.2B its
Pour DIN3126E1 1.2Embouts



F11.2



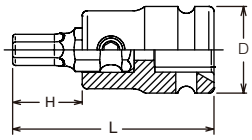


14134M-58/-98

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux

	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.)	
New	3	25	20.6	58	98	6.0	105	124	10	5	*1
New	4	25	20.6	58	98	6.0	105	125	10	5	*1
New	5	25	20.6	58	98	6.5	105	126	10	5	*1
New	6	25	20.6	58	98	7.5	108	129	10	5	*1
New	8	25	20.6	58	98	9.5	110	137	10	5	*1
New	10	25	20.6	58	98	–	116	147	10	5	*1
New	12	25	20.6	58	98	–	120	155	10	5	*1
New	14	25	20.6	58	98	–	125	169	10	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P104-105

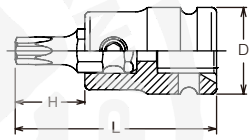


14134T-58/-98 (T)

Bit Holder complete with TORX® Bit
Klingenhalter, komplett mit TORX® Klinge
Porte embouts avec bit 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.)	
New	T30	25	20.6	58	98	6.0	108	125	10	5	*1
New	T40	25	20.6	58	98	6.9	110	127	10	5	*1
New	T45	25	20.6	58	98	8.0	112	131	10	5	*1
New	T50	25	20.6	58	98	9.0	116	135	10	5	*1
New	T55	25	20.6	58	98	11.4	120	145	10	5	*1
New	T60	25	20.6	58	98	13.5	128	157	10	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P104-105

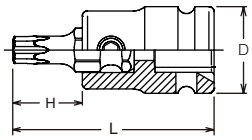


14134T-58/-98 (IP)

Bit Holder complete with TORXPLUS® Bit
Klingenhalter, komplett mit TORXPLUS® Klinge
Porte embouts avec bit 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.)	
New	30IP	25	20.6	58	98	6.0	108	125	10	5	*1
New	40IP	25	20.6	58	98	6.8	110	127	10	5	*1
New	45IP	25	20.6	58	98	8.0	112	131	10	5	*1
New	50IP	25	20.6	58	98	9.0	116	135	10	5	*1
New	55IP	25	20.6	58	98	11.4	120	146	10	5	*1
New	60IP	25	20.6	58	98	13.5	128	159	10	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P104-105

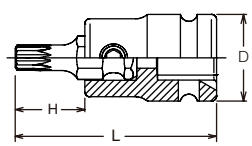


14134X-58/-98 (XZN)

Bit Holder complete with XZN Bit
Klingenhalter, komplett mit XZN Klinge
Porte embouts avec bit 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.)	
New	M5	25	20.6	58	98	6.0	108	124	10	5	*1
New	M6	25	20.6	58	98	6.2	110	126	10	5	*1
New	M8	25	20.6	58	98	7.4	112	129	10	5	*1
New	M10	25	20.6	58	98	9.8	116	144	10	5	*1
New	M12	25	20.6	58	98	11.7	120	149	10	5	*1
New	M14	25	20.6	58	98	13.5	128	159	10	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B ➡P104-105



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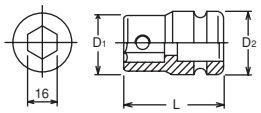
14106

Bit Holder
Klingenhalter
Porte-embouts

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14106	28	30	43	160	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B P104-105

Replacement Screw : M6×8, ⬢ 3mm
Ersatzschraube : M6×8, ⬢ 3mm
Vis de remplacement : M6×8, ⬢ 3mm

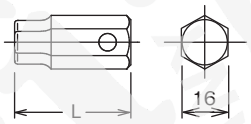


107-16

Bits for Inhex screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans mâles creux

107-16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

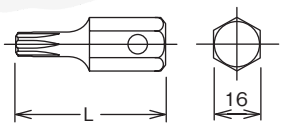
107-16 (inch)	L (mm)	(g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10



107-16 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®

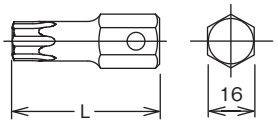
107-16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10



107-16 (IP)

TORXPLUS® Bits
TORXPLUS® Klingen
Embouts TORXPLUS®

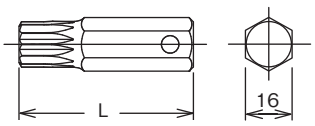
107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10



107-16 (XZN)

Bits XZN
Klingen XZN
Embouts de vissage, XZN

107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10



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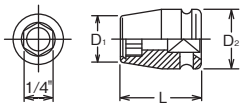
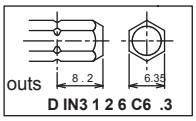
14139 Bit Holder / Klingenhalter / Porte-embouts



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14139-1/4	11	25	38	62	10	*1

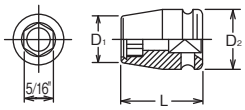
*1 C-Ring=1401C,Pin/O-Ring=1401A/B P104-105

For DIN 3126C 6.3B its
Für DIN 3126C 6.3B its
Pour DIN 3126C 6.3 Embouts



D6.33

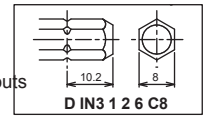
14140 Bit Holder / Klingenhalter / Porte-embouts



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14140-5/16	14	25	38	62	10	*1

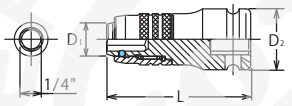
*1 C-Ring=1401C,Pin/O-Ring=1401A/B P104-105

For DIN 3126C 8B its
Für DIN 3126C 8B its
Pour DIN 3126C 8Embouts



D8

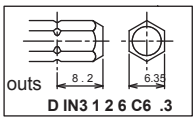
14142-D6.3 Bit Holder (Quick Release) / Kingenhalter (Schnellwechselfutter) / Porte embouts (mandrin autoserrant)



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14142-D6.3	16	25	55	97	10	*1

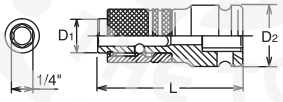
*1 C-Ring=1401C,Pin/O-Ring=1401A/B P104-105

For DIN 3126C 6.3B its
Für DIN 3126C 6.3B its
Pour DIN 3126C 6.3 Embouts



D6.33

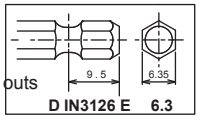
14142-F6.3 Bit Holder (Quick Release) / Kingenhalter (Schnellwechselfutter) / Porte embouts (mandrin autoserrant)



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14142-F6.3	16.5	25	55	100	10	*1

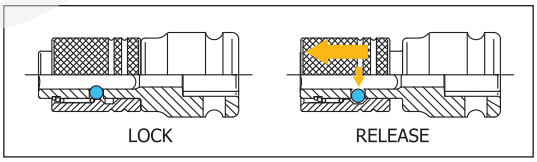
*1 C-Ring=1401C,Pin/O-Ring=1401A/B P104-105

For DIN 3126E6 .3B its
Für DIN 3126E6 .3B its
Pour DIN 3126E6 .3Embouts



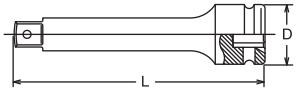
F6.3

Lock & Quick Release



14760-50P/-75P/-100P/-125P/-150P/-175P/-200P/-250P
14760-50/-75/-100/-125/-150/-175/-200/-250

Extension Bars / Verlängerungen / Rallonges



14760-P	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
50P	Pin	30	50	150	10	*1
75P	Pin	30	75	188	10	*1
100P	Pin	30	100	240	10	*1
125P	Pin	30	125	275	5	*1
150P	Pin	30	150	300	5	*1
175P	Pin	30	175	358	5	*1
200P	Pin	30	200	405	5	*1
250P	Pin	30	250	480	1	*1

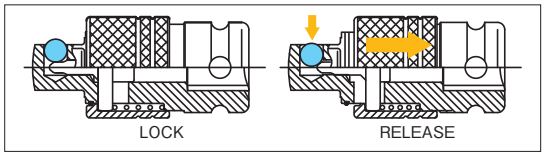
14760	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
50	Hole	30	50	150	10	*1
75	Hole	30	75	188	10	*1
100	Hole	30	100	240	10	*1
125	Hole	30	125	275	5	*1
150	Hole	30	150	300	5	*1
175	Hole	30	175	358	5	*1
200	Hole	30	200	405	5	*1
250	Hole	30	250	480	1	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B P104-105

	L (mm)	(g)	(pcs.)	
14444AL	60	128	5	*1

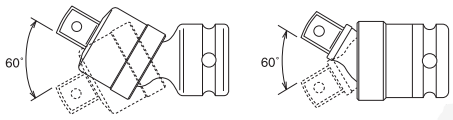
*1 C-Ring=1401C, Pin/O-Ring=1401A/B P104-105

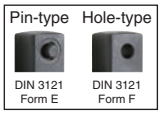
Lock & Quick Release



	TYPE	L (mm)	(g)	(pcs.)	
14770-P	Pin	74	210	5	*1
14770	Hole	74	210	5	*1
14771-P	Pin	65	198	5	*1
14771	Hole	65	198	5	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B P104-105





	TYPE	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14772-P	Pin	27	25	90	230	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B P104-105

Make sure sockets hold bolts or nuts before operation.

Vergewissern Sie sich vor dem Gebrauch, dass der Steckschlüssel die Schraube sicher umfasst hat.

Avant la manipulation, il est nécessaire de s’assurer que la douille renferme parfaitement la vis.

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B P104-105

⚠ 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.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

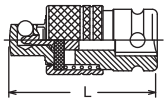
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14455A	Hole	1/2”	5/8”	42	135	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B P104-105

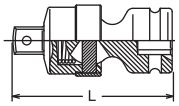
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466A	Hole	1/2”	3/4”	44	146	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B P104-105

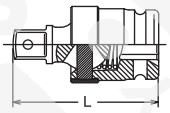
14444AL
Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



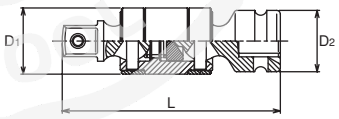
14770-P
14770
Universal Joint
Gelenk-Einsatz
Cardan universel

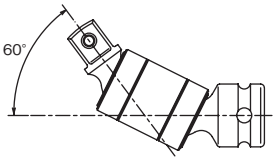


14771-P
14771
Universal Joint
Gelenk-Einsatz
Cardan universel



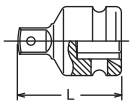
14772-P
Universal Double Joint
Doppelgelenk-Einsatz
Cardan universel double



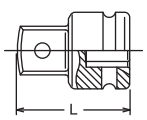


14433A-P
14433A
Adaptor
Verbindungsstück
Réducteur

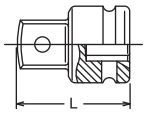
No Warranty
Keine Garantie
Sans Garantie ⚠



14455A
Adaptor
Verbindungsstück
Augmentateur



14466A
Adaptor
Verbindungsstück
Augmentateur



14209M

Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles

New 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 Sets
Steckschlüssel Sätze
Jeu de clés à douilles

New 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 Sets
Steckschlüssel Sätze
Jeu de clés à douilles

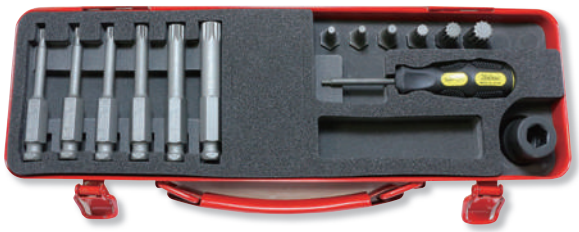
New 14210T — 14 Pieces Set/⚠=1,080g

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 Sets
Steckschlüssel Sätze
Jeu de clés à douilles



New 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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TORX® ist ein registriertes Markenzeichen der Firma Acument Intellectual Properties, LLC.
TORX® est une marque déposée de Acument Intellectual Properties, LLC.

14207M
Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

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
Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

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-00
14241M-05
Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

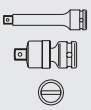
14241M-00	13 Pieces Set/=2,000g
METAL CASE:W196×H100×T45mm	
Sockets	
14400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27	

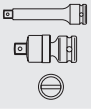
14241M-05	13 Pieces Set/=2,000g
METAL CASE:W196×H100×T45mm	
Sockets	
14405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27	

14242M
Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

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-00
14245M-05
Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

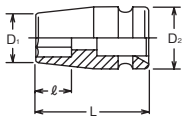
14245M-00	18 Pieces Set/=2,250g	
METAL CASE:W310×H90×T48mm		
Sockets	Accessories	
14400M 6-pt. Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27		**14760-125P** **14770-P** **1401A, 1402A** **1401B, 1402B**

14245M-05	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		**14760-125P** **14770-P** **1401A, 1402A** **1401B, 1402B**

5/8”

15400M

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



15400M (mm)	D1 (mm)	D2 (mm)	ℓ (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 P105

15410M

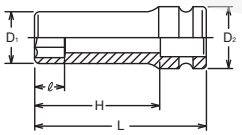
Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

15410M (mm)	D1 (mm)	D2 (mm)	ℓ (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 P105

15300M

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans

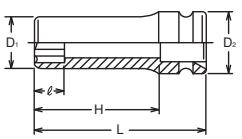


15300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=1500A/B P105

15310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive



15310M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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 P105

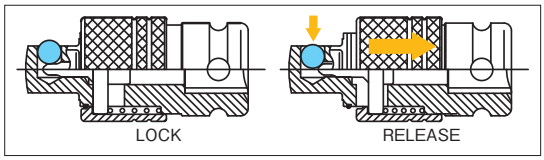
15555AL

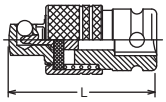
Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück (Quick Release)
Adaptateur (Quick Release)

	L (mm)	(g)	(pce.)	
15555AL	70	310	1	*1

*1 Pin/O-Ring=1500A/B P105

Lock & Quick Release



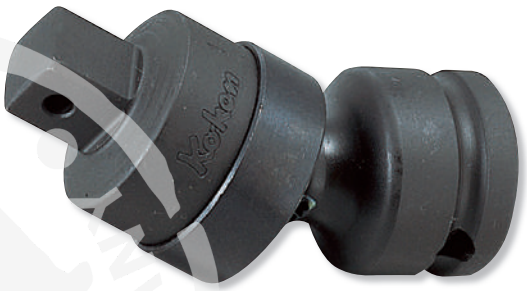


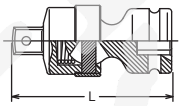
15770

Universal Joint
Gelenk-Einsatz
Cardan universel

	L (mm)	(g)	(pce.)	
15770	88	420	1	*1

*1 Pin/O-Ring=1500A/B P105





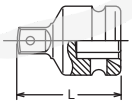
15544A-P
15544A

Adaptor
Verbindungsstück
Réducteur

No Warranty
Keine Garantie
Sans Garantie

	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15544A-P	Pin	5/8"	1/2"	46	165	1	*1
15544A	Hole	5/8"	1/2"	46	165	1	*1

*1 Pin/O-Ring=1500A/B ➡P105



⚠ 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.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

Pin-type Hole-type

DIN 3121 Form E

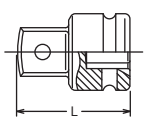
DIN 3121 Form F

15566A

Adaptor
Verbindungsstück
Augmentateur

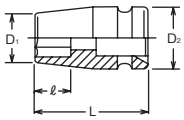
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15566A	Hole	5/8"	3/4"	48	200	1	*1

*1 Pin/O-Ring=1500A/B P105



16400M / 16400A

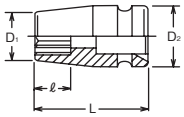
6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



16400A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
New 5/8	28.8	44	11	50	366	5	*1
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 9/16	58.8	44	20	57	598	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1.13/16	66.3	44	23	62	755	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
1.15/16	70	54	23	62	912	2	*2
2	72.5	54	30	62	969	2	*2
2. 1/16	73.8	54	29	62	1011	2	*2
2. 1/8	76.3	54	29	62	1035	2	*2
2. 3/16	77.5	54	29	62	1056	2	*2
2. 1/4	80	54	32	65	1126	2	*2
2. 5/16	81.3	54	31	65	1163	2	*2
2. 3/8	83.8	54	31	65	1215	2	*2

16405M / 16405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



16405A (inch)	D1 (mm)	D2 (mm)	ℓ (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

16400M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
New 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
➡P104-105

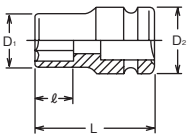
16405M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	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
➡P104-105

16401M
16401A

6-point Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans

thin



	16401M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
New	16	26.8	43	11	50	287	5	*1
	17	28	43	12	50	300	5	*1
	18	29.3	43	13	50	300	5	*1
	19	30.5	43	13	50	300	5	*1
	20	31.8	43	14	50	302	5	*1
	21	33	43	15	50	305	5	*1
	22	34.3	43	15	50	310	5	*1
	23	35.5	43	16	50	315	5	*1
	24	36.8	43	16	50	325	5	*1
	25	38	43	16	50	326	5	*1
	26	39.3	43	16	50	330	5	*1
	27	40.5	43	16	50	340	5	*1
	28	41.8	43	16	50	345	5	*1
	29	43	43	18	53	355	5	*1
	30	44.3	43	18	53	365	5	*1
	31	45.5	43	18	53	375	5	*1
	32	46.8	43	19	53	385	5	*1
	33	48	43	20	55	395	5	*1
	34	49.3	43	20	55	420	5	*1
	35	50.5	43	20	55	430	5	*1
	36	51.8	43	20	55	440	5	*1
	37	53	43	20	55	460	2	*1
	38	54.3	43	20	57	472	2	*1
	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
	44	61.8	43	23	62	670	2	*1
	46	64.3	43	23	62	710	2	*1

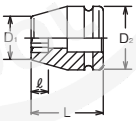
*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16401A (inch)	D1 (mm)	D2 (mm)	ℓ (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 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

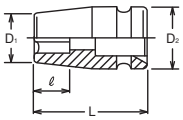


	16410M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
New	16	28.8	44	11	50	367	5	*1
New	17	30	44	12	50	355	5	*1
New	18	31.3	44	13	50	372	5	*1
New	19	32.5	44	13	50	360	5	*1
New	21	35	44	15	50	374	5	*1
New	22	36.3	44	15	50	373	5	*1
New	24	38.8	44	16	50	370	5	*1
New	27	42.5	44	16	50	375	5	*1
New	30	46.3	44	18	53	410	5	*1
New	32	48.8	44	19	53	428	5	*1
New	33	50	44	20	55	470	5	*1
New	36	53.8	44	20	55	498	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16425

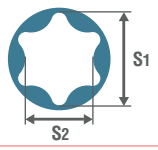
TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



16425 (E)	D1 (mm)	D2 (mm)	ℓ (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

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

TORX® (E)



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

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16425-EPL

TORXPLUS® Sockets
TORXPLUS® Steckschlüssel
Douilles TORXPLUS®

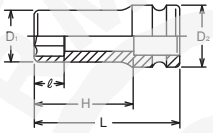
16425 (EPL)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	55	427	5	*1
32EPL	40	44	16.1	62	488	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16301X

6-point Semi-Deep Sockets, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans

thin

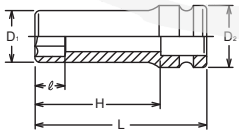


16301X (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	28	43	17	49	75	370	2	*1
18	29.3	43	18	49	75	380	2	*1
19	30.5	43	19	49	75	393	2	*1
20	31.8	43	20	49	75	400	2	*1
21	33	43	21	49	75	408	2	*1
22	34.3	43	22	49	75	418	2	*1
23	35.5	43	23	49	75	425	2	*1
24	36.8	43	24	49	75	435	2	*1
25	38	43	25	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	550	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 P104-105

16300M / 16300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



16300A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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 P104-105

16300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New **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
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
50	71.3	54	61	–	100	1469	2	*2
55	77.5	54	59	–	100	1620	2	*2

*1 C-Ring=1600C, Pin/O-Ring=1601A/B
*2 C-Ring=1801C, Pin/O-Ring=1602A/B P104-105

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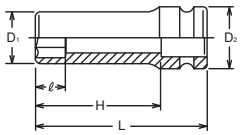


	16301M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	16	26.8	43	16	74	100	435	2	*1
	17	28	43	17	74	100	470	2	*1
	18	29.3	43	18	74	100	475	2	*1
	19	30.5	43	19	74	100	480	2	*1
	20	31.8	43	20	74	100	491	2	*1
	21	33	43	21	74	100	505	2	*1
	22	34.3	43	22	74	100	528	2	*1
	23	35.5	43	23	74	100	542	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	750	2	*1
	34	49.3	43	34	72	100	772	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
New	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
New	50	69.2	53	62	–	100	1328	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

	16305M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
	14	26.3	44	14	74	100	500	2	*1
New	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
	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

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

	16310M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	16	28.8	44	16	74	100	524	2	*1
New	17	30	44	17	74	100	544	2	*1
New	18	31.3	44	18	74	100	642	2	*1
New	19	32.5	44	19	74	100	655	2	*1
New	21	35	44	21	74	100	700	2	*1
New	22	36.3	44	22	74	100	700	2	*1
New	24	38.8	44	24	74	100	705	2	*1
New	27	42.5	44	27	73	100	710	2	*1
New	30	46.3	44	30	73	100	840	2	*1
New	32	48.8	44	32	72	100	875	2	*1
New	33	50	44	33	72	100	920	2	*1
New	36	53.8	44	34	71	100	960	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16301M
16301A

6-point Deep Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans

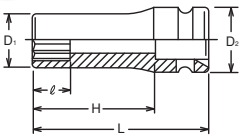
thin

	16301A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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
New	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 P104-105

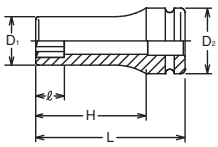
16305M

12-point Sockets, deep
12-kant Steckschlüssel, lang
Douilles longues, 12-pans



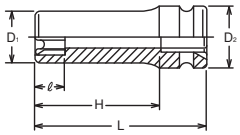
16310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive



16325

TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®

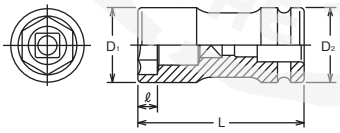


16325 (E)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	74	100	520	2	*1
E20	28.8	44	14.4	74	100	560	2	*1
E22	31.3	44	15.5	74	100	600	2	*1
E24	32.5	44	17	74	100	630	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16316M / 16316A

Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière



16316M (mm×mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
35×17	52	44	10	90	865	1	*1
38×20	56	44	13	100	952	1	*1
41×19	59	44	12	100	1037	1	*1
41×21	59	44	15	100	963	1	*1

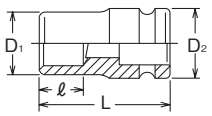
*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16316A (inch×inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
1.1/2×13/16	56	44	13	100	940	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16317M / 16317A

Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière



16317M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
17	40	44	22.5	67	485	1	*1
19	40	44	22.5	67	462	1	*1
20	44	44	22.5	67	517	1	*1
21	44	44	22.5	67	489	1	*1
22	44	44	22.5	67	482	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16317A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
13/16	44	44	22.5	67	489	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

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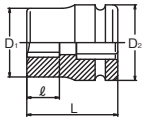
PW6

Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière

PW6 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	40	44	19	53	433	5	*1
19	40	44	19	53	419	5	*1
20	44	44	21	55	483	5	*1
21	44	44	23	57	491	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105



16101M

Torsion Bars (for tightening only)
Torsionsstäbe (nur zum Anziehen)
Barres de torsion (pour serrage seulement)

16101M (mm×Nm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
24×180Nm	38.8	24	235	850	1	*1
27×450Nm	42.5	27	280	1236	1	*1
32×600Nm	48.8	32	280	1370	1	*1
33×600Nm	50	33	280	1370	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

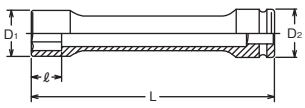
As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/ Torsionsstab mittels eines Drehmomentschlüssels.

Etant donné que le couple peut varier selon modèle, la capacité ou l'état de la clé à choc, le contrôle de la combinaison clé à choc/barre par clé dynamométrique est indispensable.

16102M-270/-400

Extra long Sockets for wheel Nuts
Extra lange Steckschlüssel für Radmuttern
Douilles extra-longues pour écrous de roue



16102M-270 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
24	38.8	44	24	270	1034	1	*1
27	42.5	44	27	270	1088	1	*1
30	46.3	44	30	270	1144	1	*1
32	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

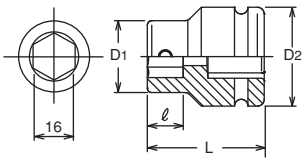
*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16102M-400 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
24	38.8	44	24	400	1430	1	*1
27	42.5	44	27	400	1460	1	*1
30	46.3	44	30	400	1510	1	*1
32	48.8	44	32	400	1530	1	*1
33	50	44	32	400	1530	1	*1
36	53.8	44	32	400	2180	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16106

Bit Holder
Klingenhalter
Porte-embout



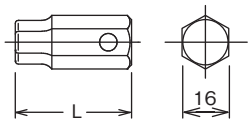
	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
16106	32	44	16	52	370	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

Replacement Screw : M6×10, ⬢ 3mm
Ersatzschraube : M6×10, ⬢ 3mm
Vis de remplacement : M6×10, ⬢ 3mm

107-16

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux

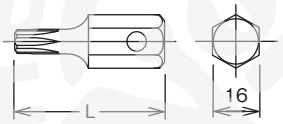


107-16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107-16 (inch)	L (mm)	(g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107-16 (T)

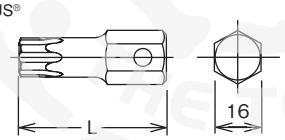
TORX® Bits
TORX® Klingen
Embouts, TORX®



107-16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16 (IP)

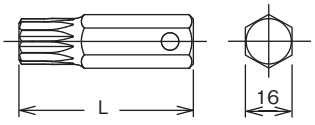
TORXPLUS® Bits
TORXPLUS® Klingen
Embouts TORXPLUS®



107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)

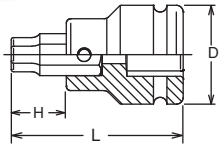
Bits XZN
Klingen XZN
Embouts de vissage, XZN



107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

16106-16

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux



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 P104-105

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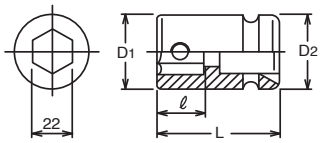
16107

Bit Holder
Klingenhalter
Porte embouts

	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
16107	44	44	22	60	530	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

Replacement Screw : M8×14, ⬢ 4mm
Ersatzschraube : M8×14, ⬢ 4mm
Vis de remplacement : M8×14, ⬢ 4mm

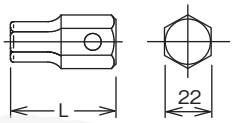


107-22

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux

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

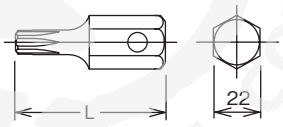
107-22 (inch)	L (mm)	(g)	(pcs.)
5/8	50	120	10
3/4	50	140	10
7/8	50	162	10
1	50	190	10
1. 1/4	55	243	10



107-22 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®

107-22 (T)	L (mm)	(g)	(pcs.)
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

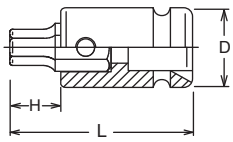


16107-22

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux

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 P104-105



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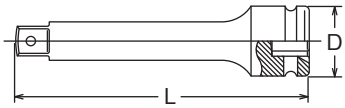
3/4”

16760-150/-175/-200/-250/-330

Extension Bars
Verlängerungen
Rallonges

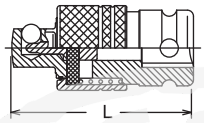


16760	D (mm)	L (mm)	(g)	(pce.)	
150	44	150	775	1	*1
175	44	175	870	1	*1
200	44	200	955	1	*1
250	44	250	1150	1	*1
330	44	330	1460	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16666AL

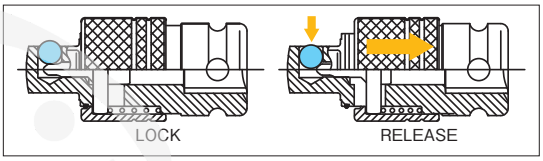
Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



	L (mm)	(g)	(pcs.)	
16666AL	75	660	2	*1

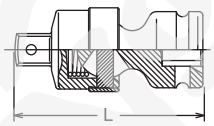
*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

Lock & Quick Release



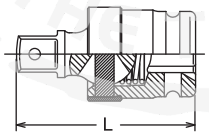
16770

Universal Joint
Gelenk-Einsatz
Cardan universel



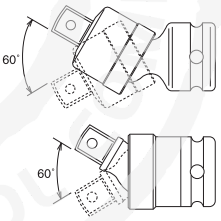
16771

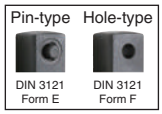
Universal Joint
Gelenk-Einsatz
Cardan universel



	L (mm)	(g)	(pce.)	
16770	106	790	1	*1
16771	95	720	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

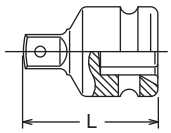




16644A-P
16644A
16655A

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16644A-P	Pin	3/4"	1/2"	54	310	5	*1
16644A	Hole	3/4"	1/2"	54	310	5	*1

	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
16655A	Hole	3/4"	5/8"	55.5	336	5	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

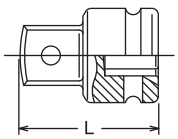
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

16688A

Adaptor
Verbindungsstück
Augmentateur



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
16688A	Hole	3/4"	1"	62	435	1	*1
16688A-250	Hole	3/4"	1"	250	1400	1	*1
16688A-330	Hole	3/4"	1"	330	1880	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

16201M-00 / 16201A-00

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

16201M-00	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-00	11 Pieces Set/⚖=6,000g
METAL CASE:W320×H110×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

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

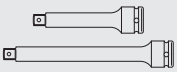
thin

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:W320×H110×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	

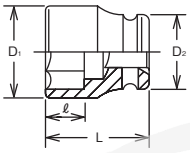
16245M

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

16245M	17 Pieces Set/⚖=12,000g	
METAL CASE:W590×H127×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
6-kant Steckschlüssel
Douilles 6-pans



18400M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	586	2	*1
19	35.3	54	13	57	590	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	54	36	70	997	2	*1
48	71.5	54	35	70	990	2	*1
50	74	54	35	70	1065	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
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
65	92.8	54	38	75	1630	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
75	105.3	86	37	80	2675	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
➔P104-105

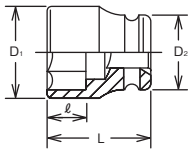
18400A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	12	57	579	2	*1
3/4	35.3	54	13	57	590	2	*1
13/16	37.8	54	15	57	605	2	*1
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/16	45.3	54	16	57	627	2	*1
New 1. 3/32	46.5	54	16	57	642	2	*1
1. 1/8	47.8	54	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
New 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	57.3	54	21	62	735	2	*1
New 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
New 3. 3/4	130.3	86	43	100	4377	1	*2
New 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
➔P104-105

18401M
18401A

6-point Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans

thin



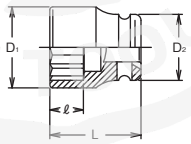
18401M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	12	57	481	2	*1
19	32.3	53	13	57	492	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
27	42.3	53	16	57	540	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
41	59.8	53	25	66	740	2	*1
46	66	53	29	70	900	2	*1
50	71	53	35	70	940	2	*1

18401A (inch)	D1 (mm)	D2 (mm)	ℓ (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 P104-105

18405M / 18405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



18405M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
27	45.3	54	16	57	607	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	690	2	*1
35	55.3	54	21	62	690	2	*1
36	56.5	54	21	62	692	2	*1
38	59	54	25	66	700	2	*1
40	61.5	54	25	66	830	2	*1
41	62.8	54	25	66	905	2	*1
46	69	54	29	70	990	2	*1
50	74	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

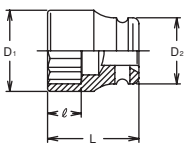
18405A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	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 P104-105

18405M (D)

Sockets for Cardan Shafts
Steckschlüssel für Gelenkwellen
Douilles pour arbres à cardan

No Warranty
Keine Garantie
Sans Garantie



18405M (D) (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
50(D68)	68	54	35	70	890	2	*1
55(D76)	76	54	39	75	1130	2	*1
65(D87)	87	54	38	75	1344	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

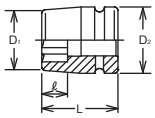
Items in this catalogue marked ⚠ can be loaded to torque values which may cause breakage.In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

18410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

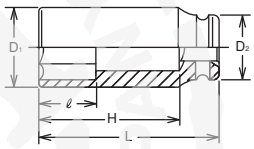


	18410M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
New	24	41.5	54	16	57	627	2	*1
New	27	45.3	54	16	57	627	2	*1
New	30	49	54	21	62	657	2	*1
New	32	51.5	54	21	62	685	2	*1
New	33	52.8	54	21	62	685	2	*1
New	36	56.5	54	21	62	712	2	*1
New	41	62.8	54	25	66	850	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

18300M / 18300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles 6-pans, longues



18300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	35.3	54	19	77	108	1010	2	*1
21	37.8	54	21	77	108	1010	2	*1
22	39	54	22	77	108	1010	2	*1
23	40.3	54	23	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	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 P104-105

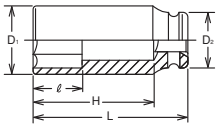
18300A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	17	77	108	978	2	*1
3/4	35.3	54	19	77	108	1010	2	*1
7/8	39	54	22	77	108	1010	2	*1
15/16	41.5	54	24	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	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 P104-105

18301X

6-point Semi-Deep Sockets, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans

thin



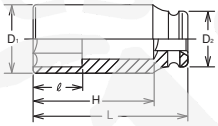
18301X (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	53	33	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 P104-105

18301M
18301A

6-point Deep Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans

thin



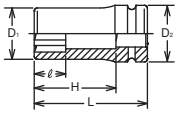
18301M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	77	108	692	2	*1
18	31	53	18	77	108	710	2	*1
19	32.3	53	19	77	108	725	2	*1
20	33.5	53	20	77	108	740	2	*1
21	34.8	53	21	77	108	750	2	*1
22	36	53	22	77	108	770	2	*1
23	37.3	53	23	77	108	780	2	*1
24	38.5	53	24	77	108	800	2	*1
26	41	53	26	77	108	830	2	*1
27	42.3	53	27	77	108	860	2	*1
29	44.8	53	29	77	108	880	2	*1
30	46	53	30	77	108	910	2	*1
32	48.5	53	32	77	108	970	2	*1
33	49.8	53	33	77	108	980	2	*1
34	51	53	34	77	108	980	2	*1
35	52.3	53	35	77	108	986	2	*1
36	53.5	53	36	76	108	992	2	*1
38	56	53	38	76	108	1025	2	*1
39	57.3	53	38	76	108	1130	2	*1
41	59.8	53	38	75	108	1213	2	*1
43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	53	38	–	108	1520	2	*1
New 55	77.3	53	62	–	108	1735	2	*1
New 60	83.5	53	59	–	108	1985	2	*1
New 65	89.8	53	56	–	108	2090	2	*1

18301A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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
New 1	39.8	53	25	77	108	828	2	*1
1 1/16	42.3	53	27	77	108	860	2	*1
New 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
New 1 9/32	49.8	53	33	77	108	997	2	*1
New 1 5/16	51	53	34	77	108	1014	2	*1
1 3/8	52.3	53	35	77	108	986	2	*1
1 1/2	56	53	38	76	108	1025	2	*1
1 5/8	59.8	53	38	75	108	1213	2	*1
New 1.11/16	62.3	53	38	74	108	1285	2	*1
1.13/16	66	53	38	74	108	1400	2	*1
New 2	72.3	53	65	–	108	1545	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

18310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

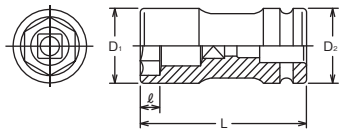


18310M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 24	41.5	54	24	77	108	1060	2	*1
New 27	45.3	54	27	77	108	1125	2	*1
New 30	49	54	30	77	108	1179	2	*1
New 32	51.5	54	32	77	108	1200	2	*1
New 33	52.8	54	33	77	108	1200	2	*1
New 36	56.5	54	36	76	108	1280	2	*1
New 41	62.8	54	38	75	108	1450	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

18316M
18316A

Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière



18316M (mmxmm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
35×17	52	54	10	108	1153	1	*1
38×20	56	54	13	108	1133	1	*1
41×19	59	54	12	108	1200	1	*1
41×21	59	54	15	108	1155	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

18316A (inchxinch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
1.1/2x13/16	59	54	13	108	1120	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

PW8P/4
PW8P

Socket set of Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern, im Satz
Jeu de douilles spéciales pour écrous de roué arrière

PW8P/4 4 Pieces Set/⚖=4,250g
CARDBOARD BOX:W240×H95×T70mm

Sockets

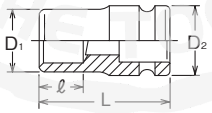
PW8P Impact Rear Wheel Nut Sockets
35×17, 38×20, 41×19, 41×21

PW8P (mmxmm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	Shaft Color	(pcs.)	
35×17	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 P104-105

18317M / 18317A

Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière



18317M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
17	40	54	22.5	72	682	1	*1
17.5	40	54	22.5	72	677	1	*1
19	43	54	22.5	72	705	1	*1
20	45	54	22.5	72	723	1	*1
20.5	45	54	22.5	72	723	1	*1
21	45	54	22.5	72	703	1	*1
22	45	54	22.5	72	696	1	*1

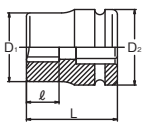
*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

18317A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
13/16	45	54	22.5	72	703	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

PW8

Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière

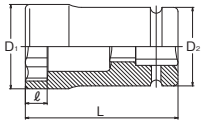


PW8 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	40	54	19	60	621	2	*1
19	43	54	19	60	648	2	*1
20	45	54	21	62	687	2	*1
21	45	54	23	64	696	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

PW8L

Rear Wheel Nut Socket (long)
Steckschlüssel für Hinterradmuttern, lang
Douilles spéciales pour écrous de roué arrière longue

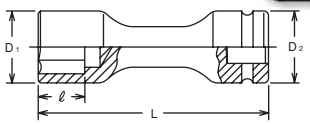


PW8L (mmxmm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
41×21	58	54	15	105	1263	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

18104M

Special Sockets for Spring Clamps
Steckschlüssel für Federbrieden
Douilles pour brides de ressorts



18104M (mm)	D1 (mm)	D2 (mm)	ℓ (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 P104-105

18101M

Torsion Bars (for tightening only)
Torsionsstäbe (nur zum Anziehen)
Barres de torsion (pour serrage seulement)

18101M (mm×Nm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
24×350Nm	43.5	24	300	1380	1	*1
27×350Nm	47	27	300	1401	1	*1
27×450Nm	47	27	300	1579	1	*1
30×500Nm	51	30	300	1563	1	*1
32×450Nm	53.5	32	300	1600	1	*1
32×550Nm	53.5	32	300	1602	1	*1
32×600Nm	53.5	32	300	1602	1	*1
32×700Nm	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 P104-105

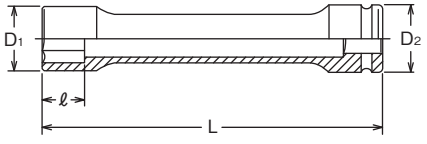
As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/ Torsionsstab mittels eines Drehmomentschlüssels.

Etant donné que le couple peut varier selon modèle, la capacité ou l'état de la clé à choc, le contrôle de la combinaison clé à choc/barre par clé dynamométrique est indispensable.

18102M-270/-400

Extra long Sockets for wheel Nuts
Extra lange Steckschlüssel für Radmuttern
Douilles extra-longues pour écrous de roue



18102M-270 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
23	37.3	54	23	270	1627	1	*1
24	38.5	54	24	270	1628	1	*1
26	41	54	26	270	1667	1	*1
27	42.3	54	27	270	1680	1	*1
29	44.8	54	29	270	1680	1	*1
30	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

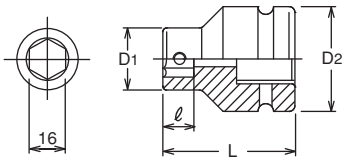
*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

18102M-400 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
23	37.3	54	23	400	1865	1	*1
24	38.5	54	24	400	1869	1	*1
26	41	54	26	400	1925	1	*1
27	42.3	54	27	400	2272	1	*1
29	44.8	54	29	400	2278	1	*1
30	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 P104-105

18106

Bit Holder
Klingenhalter
Porte embouts



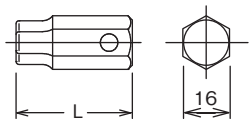
	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
18106	32	54	16	68	640	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

Replacement Screw : M6×10, ⬢ 3mm
Ersatzschraube : M6×10, ⬢ 3mm
Vis de remplacement : M6×10, ⬢ 3mm

107-16

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux

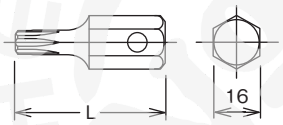


107-16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

107-16 (inch)	L (mm)	(g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107-16 (T)

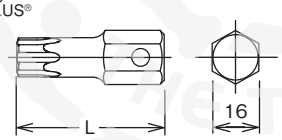
TORX® Bits
TORX® Klingen
Embouts, TORX®



107-16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16 (IP)

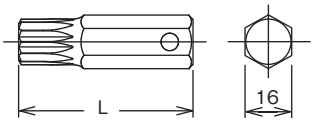
TORXPLUS® Bits
TORXPLUS® Klingen
Embouts TORXPLUS®



107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)

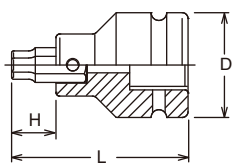
Bits XZN
Klingen XZN
Embouts de vissage, XZN



107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

18106-16

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux



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 ➔P104-105

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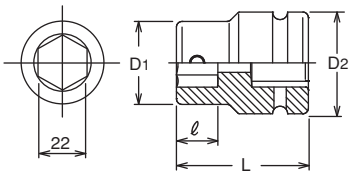
	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
18107	44	54	22	70	770	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

Replacement Screw : M8×14, ⬢ 4mm
Ersatzschraube : M8×14, ⬢ 4mm
Vis de remplacement : M8×14, ⬢ 4mm

18107

Bit Holder
Klingenhalter
Porte embouts

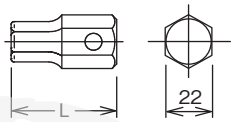


107-22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

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

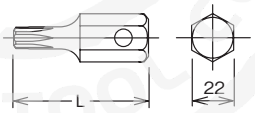
Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux



107-22 (T)	L (mm)	(g)	(pcs.)
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107-22 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®

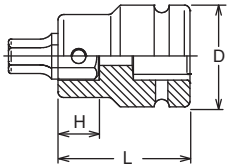


18107-22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	54	28	98	910	2	*1
22	54	28	98	932	2	*1
24	54	28	98	946	2	*1
27	54	28	98	986	2	*1
30	54	28	98	1008	2	*1
32	54	28	103	1029	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

18107-22

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux



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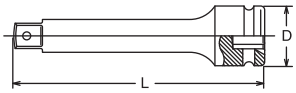
18760-175/-200/-250/-330

Extension Bars
Verlängerungen
Rallonges

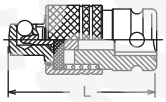


18760	D (mm)	L (mm)	(g)	(pce.)	
175	54	175	1400	1	*1
200	54	200	1580	1	*1
250	54	250	1885	1	*1
330	54	330	2380	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

18888AL

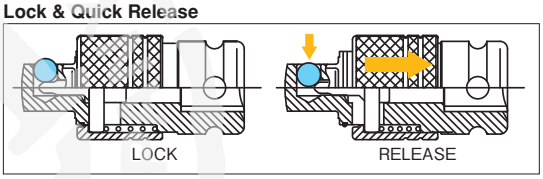
Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



	L (mm)	(g)	(pcs.)	
18888AL	95	980	2	*1

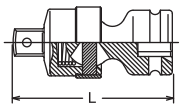
*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

Lock & Quick Release



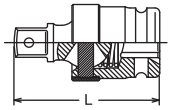
18770

Universal Joint
Gelenk-Einsatz
Cardan universel



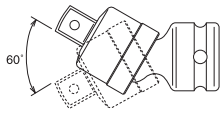
18771

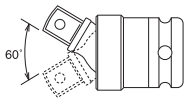
Universal Joint
Gelenk-Einsatz
Cardan universel



	L (mm)	(g)	(pce.)	
18770	127	1210	1	*1
18771	115	1210	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105





18866A
Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie

18866A-200

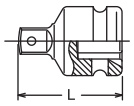
	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pce.)	
18866A	1"	3/4"	66.5	580	1	*1
18866A-200	1"	3/4"	200	1100	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105

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.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

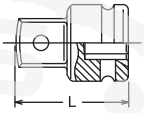
Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.



18877A
Adaptor
Verbindungsstück
Augmentateur

	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pce.)	
18877A	1"	1.1/2"	80	935	1	*1

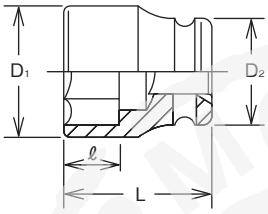
*1 C-Ring=1801C, Pin/O-Ring=1801A/B P104-105



1-1/2”

17400M / 17400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



17400M (mm)	D1 (mm)	D2 (mm)	ℓ (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)	ℓ (mm)	L (mm)	(g)	(pce.)	
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5500	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2
4. 7/8	173	127	67	136	13000	1	*2
5	180	127	69	140	14200	1	*2
5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
6. 1/2	205	127	94	175	17500	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B
*2 Pin/O-Ring=1702A/B

➡P104-105

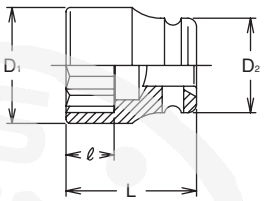
17405M / 17405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans

17405M (mm)	D1 (mm)	D2 (mm)	ℓ (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
New **95**	135	127	52	112	7660	1	*1
New **100**	140	127	53	115	7700	1	*1

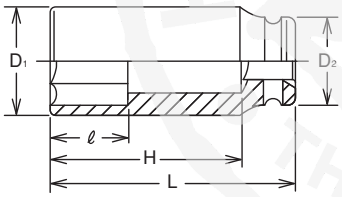
17405A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	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
New **2.13/16**	105	86	55	105	3670	1	*1
New **2.15/16**	108	86	56	105	3700	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B P104-105



17300M / 17300A

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



17300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pce.)	
New **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 P104-105

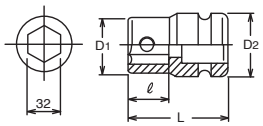
17300A (inch)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pce.)	
1. 5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1. 3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1. 7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	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 P104-105

1-1/2”

17108

Bit Holder
Klingenhalter
Porte-embouts



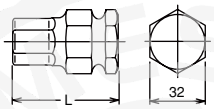
	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
17108	60	86	30	85	2200	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B P104-105

Replacement Screw : M8×14, ⬢ 4mm
Ersatzschraube : M8×14, ⬢ 4mm
Vis de remplacement : M8×14, ⬢ 4mm

107-32

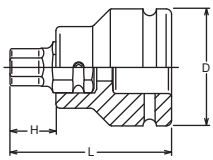
Bit for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans mâle creux



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

17108-32

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux



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 P104-105

17760-175/-250/-330

Extension Bars
Verlängerungen
Rallonges

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

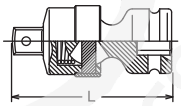
*1 C-Ring=1700C, Pin/O-Ring=1701A/B P104-105

17770

Universal Joint
Gelenk-Einsatz
Cardan universel

	L (mm)	(g)	(pce.)	
17770	200	4700	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B P104-105



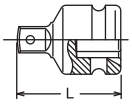
17788A ⚠

Adaptor
Verbindungsstück
Réducteur

No Warranty
Keine Garantie
Sans Garantie

	□ (sq.)	■ (sq.)	L (mm)	(g)	(pce.)	
17788A	1.1/2"	1"	98	2600	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B P104-105



⚠ 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.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

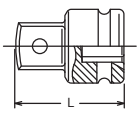
Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

17799A

Adaptor
Verbindungsstück
Augmentateur

	□ (sq.)	■ (sq.)	L (mm)	(g)	(pce.)	
17799A	1.1/2"	2.1/2"	115	3790	1	*1

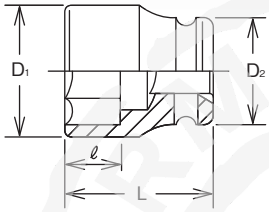
*1 C-Ring=1700C, Pin/O-Ring=1701A/B P104-105



2-1/2”

19400M / 19400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



19400M (mm)	D1 (mm)	D2 (mm)	ℓ (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)	ℓ (mm)	L (mm)	(g)	(pce.)	
New	**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
New	**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
➔P105

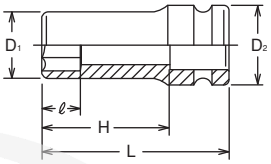
2-1/2”

19300M

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans

19300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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
➡P105



19760-250/-500

Extension Bars
Verlängerungen
Rallonges

19760	D (mm)	L (mm)	(g)	(pce.)	
250	127	250	17800	1	*1
500	127	500	27800	1	*1

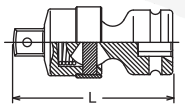
*1 Pin/O-Ring=1901A/B
P105

19770

Universal Joint
Gelenk-Einsatz
Cardan universel

	L (mm)	(g)	(pce.)	
19770	303	21360	1	*1

*1 Pin/O-Ring=1901A/B
P105



19977A

Adaptor
Verbindungsstück
Réducteur

No Warranty
Keine Garantie
Sans Garantie ⚠

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
19977A	2.1/2"	1.1/2"	145	7210	1	*1

*1 Pin/O-Ring=1901A/B
P105

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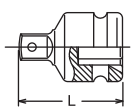
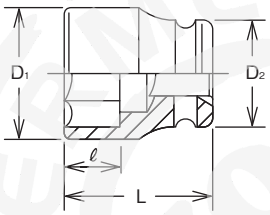


3-1/2”

10400M / 10400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



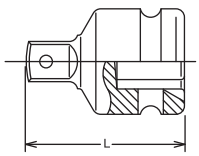
10400M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	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)	ℓ (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
➡P105

10099A

Adaptor
Verbindungsstück
Réducteur



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
10099A	3.1/2"	2.1/2"	182	16870	1	*1

*1 Pin/O-Ring=2001A/B P105

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SLEEVE-DRIVE SOCKETS
SLEEVE-DRIVE STECKSCHLÜSSEL
DOUILLES, SLEEVE DRIVE

3/8”

1/2”

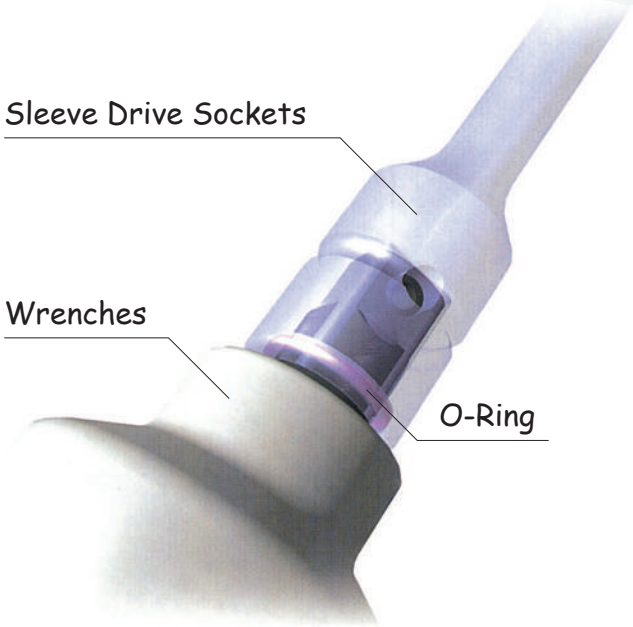
3/4”

HERMES THE TOOL COMPANY

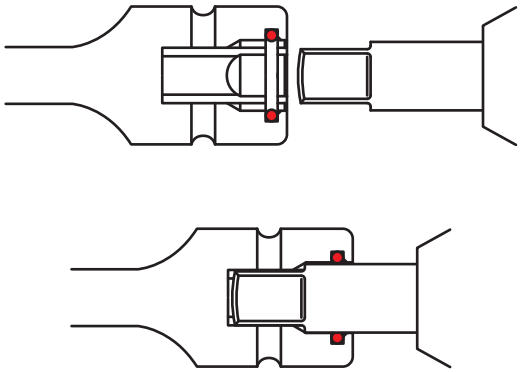
The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given 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.

Der **Sleeve-Drive** Vierkant-Antrieb vermeidet durch die vertiefte Passung den "Wackelkontakt" zwischen Maschine - Verlängerung - Steckschlüssel. Ein im **Antriebsende der Sleeve-Drive-Steckschlüssel** eingesetzter Ring optimiert den festen Sitz der Verlängerungen und Steckschlüssel auf der Schrauberspindel und sorgt somit für die unmittelbare Weitergabe des vorgegebenen Drehmomentes ohne wesentliche Drehkraftverluste. Nicht zuletzt vermeidet der **Sleeve-Drive** Antrieb die Übertragung von Schwingungen auf Mensch und Maschine.

Ces nouveaux outils **Sleeve-Drive** se caractérisent par un entraînement carré allongé et un joint torique incorporé. Le guidage rigide ainsi obtenu maintient les outils **Sleeve-Drive** dans l'axe de la broche de la machine et garantit une connection optimale machine-rallonges-douilles. Le jeu latéral et les vibrations engendrés par les outils traditionnels sont de ce fait supprimés. Il en résulte une transmission plus précise du coupe de serrage et un plus grand confort de travail pour l'opérateur.



SLEEVE DRIVE SOCKET **PULSE TOOL**

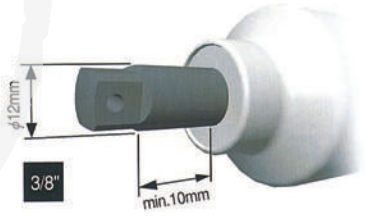


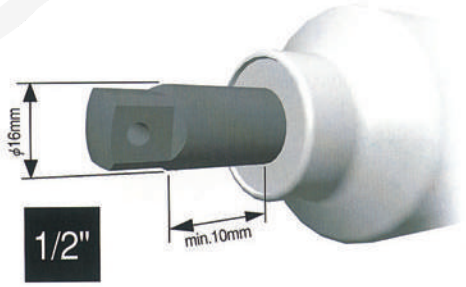
The ***"Sleeve Drive"*** Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

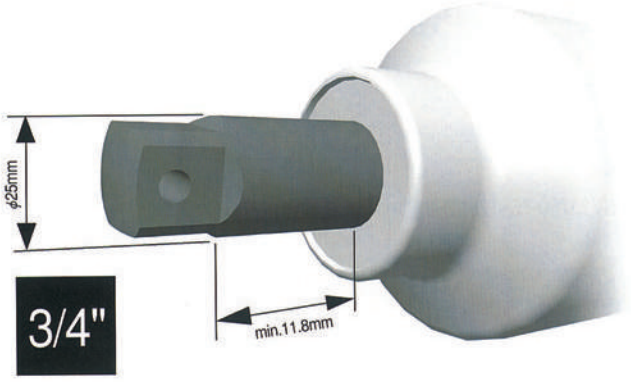
Die serienmässigen ***"Sleeve Drive"*** Steckschlüssel können nur auf Impuls Schraubern mit Antriebswellen der nachstehenden Längen und Durchmesser gesteckt werden.

Les douilles ***"Sleeve Drive"*** ne peuvent être placeés que sur des axes des boulonneuses à impulsions d'une longueur et d'un diamètre selon la spécification ci-dessous.

	Anvil Diameter (mm)	Minimum Anvil Length (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8

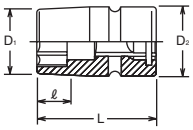






NV13400

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



NV13400 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
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
➡P104-105

NV13145-100/-150/-200

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées

NV13145-100 (mm)	D1 (mm)	D2 (mm)	ℓ (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

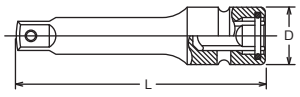
NV13145-150 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	150	160	10	*1
8	13	19	8	150	160	10	*1
10	15.5	19	10	150	165	10	*1
12	18	19	12	150	168	10	*1
13	19	19	13	150	170	10	*1
14	21	19	14	150	175	10	*1
15	22	19	15	150	177	10	*1
16	24	19	15	150	190	10	*1
17	25	19	15	150	203	10	*1

NV13145-200 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	200	210	10	*1
8	13	19	8	200	210	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
P104-105

NV13760-75P/-125P/-150P/-250P

Extension Bars
Verlängerungen
Rallonges



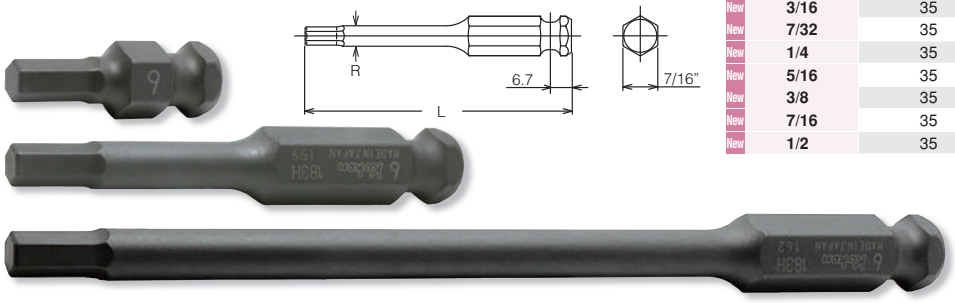
NV13760	D (mm)	L (mm)	(g)	(pcs.)	
75P	19	75	95	10	*1
125P	19	125	125	10	*1
150P	19	150	150	10	*1
250P	19	250	255	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
P104-105

3/8", 1/2"

183H-35/-75/-150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux



	183H-35 (inch)	L (mm)	(g)	(pcs.)
New	3/16	35	15	10
New	7/32	35	16	10
New	1/4	35	18	10
New	5/16	35	20	10
New	3/8	35	26	10
New	7/16	35	28	10
New	1/2	35	38	10

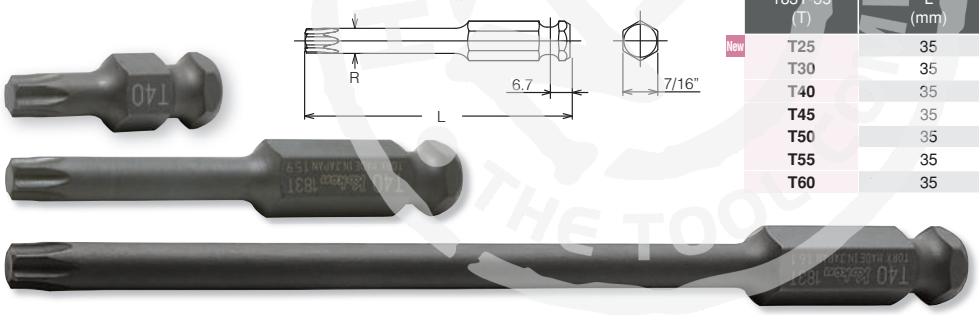
183H-35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
New 7	35	19	10
8	35	20	10
10	35	26	10
New 11	35	28	10
12	35	30	10
14	35	35	10
New 16	35	47	10
New 17	35	50	10
New 18	35	53	10
New 19	35	56	10

183H-75 (mm)	L (mm)	R (mm)	(g)	(pcs.)
3	75	6.0	34	10
4	75	6.0	35	10
5	75	6.5	36	10
6	75	7.5	39	10
New 7	75	8.5	44	10
8	75	9.5	47	10
10	75	–	57	10
New 11	75	–	60	10
12	75	–	65	10
14	75	–	79	10

183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6.0	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	–	118	10
12	150	–	136	10

183T-35/-75/-150 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®



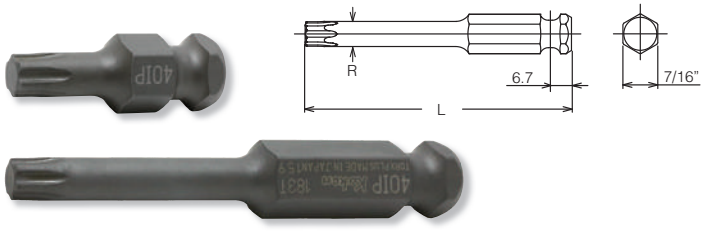
	183T-35 (T)	L (mm)	(g)	(pcs.)
New	T25	35	18	10
	T30	35	18	10
	T40	35	20	10
	T45	35	22	10
	T50	35	26	10
	T55	35	30	10
	T60	35	38	10

183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6.0	50	10
T40	150	6.9	58	10
T45	150	8.0	70	10
T50	150	9.0	82	10
T55	150	11.4	113	10

183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	75	6.0	35	10
T40	75	6.9	37	10
T45	75	8.0	41	10
T50	75	9.0	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

183T-35/-75 (IP)

TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®



	183T-35 (IP)	L (mm)	(g)	(pcs.)
	30IP	35	18	10
	40IP	35	20	10
	45IP	35	22	10
	50IP	35	26	10
	55IP	35	30	10
	60IP	35	38	10

183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6.0	35	10
40IP	75	6.8	37	10
45IP	75	8.0	41	10
50IP	75	9.0	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

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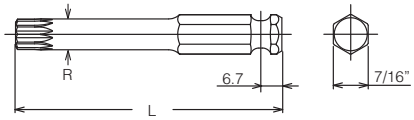
TORX® et TORXplus® sont des marques déposées sous le nom de la société **Acument Intellectual Properties, LLC.**

183X-35/-75/-150 (XZN)

XZN Bits
XZN Bits
Embouts, XZN

	183X-35 (XZN)	L (mm)	(g)	(pcs.)
New	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.)
New	M 4	75	6.0	34	10
	M 5	75	6.0	34	10
	M 6	75	6.2	36	10
	M 8	75	7.4	39	10
	M10	75	9.8	54	10
	M12	75	11.7	57	10
	M14	75	13.5	67	10

183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6.0	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10

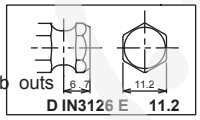
NV13134

Bit Holder for 183 series.
Klingenhalter
Porte-embouts

	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
NV13134	22.5	22	15	45	100	5	*1

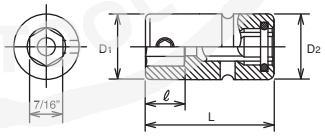
*1 C-Ring=1301C, Pin/O-Ring=1301A/B P104-105

For DIN3126E1 1.2Bits
Für DIN3126E1 1.2Bits
Pour DIN3126E1 1.2Embouts



F11.2

Replacement Screw : M8×5, ⬢ 4mm
Ersatzschraube : M8×5, ⬢ 4mm
Vis de remplacement : M8×5, ⬢ 4mm



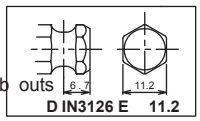
NV14134

Bit Holder for 183 series.
Klingenhalter
Porte-embouts

	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
NV14134	22.5	25	15	55	130	5	*1

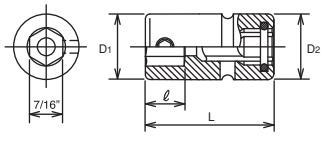
*1 C-Ring=1401C, Pin/O-Ring=1401A/B P104-105

For DIN3126E1 1.2Bits
Für DIN3126E1 1.2Bits
Pour DIN3126E1 1.2Embouts



F11.2

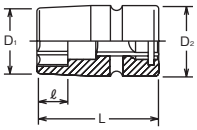
Replacement Screw : M8×5, ⬢ 4mm
Ersatzschraube : M8×5, ⬢ 4mm
Vis de remplacement : M8×5, ⬢ 4mm



1/2”

NV14400

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



NV14400 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
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
➡P104-105

NV14145-100/-150/-200

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées

NV14145-100 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	100	161	10	*1
12	18	25	12	100	178	10	*1
13	19	25	13	100	175	10	*1
14	21	25	14	100	181	10	*1
15	22	25	15	100	185	10	*1
16	24	25	15	100	193	10	*1
17	25	25	15	100	201	10	*1
18	26	25	15	100	211	10	*1
19	28	25	15	100	221	10	*1

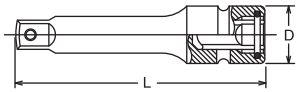
NV14145-150 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	150	200	10	*1
12	18	25	12	150	215	10	*1
13	19	25	13	150	220	10	*1
14	21	25	14	150	225	10	*1
15	22	25	15	150	230	10	*1
16	24	25	15	150	240	10	*1
17	25	25	15	150	250	10	*1
18	26	25	15	150	262	10	*1
19	28	25	15	150	275	10	*1

NV14145-200 (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	200	236	10	*1
12	18	25	12	200	250	10	*1
13	19	25	13	200	260	10	*1
14	21	25	14	200	270	10	*1
15	22	25	15	200	275	10	*1
16	24	25	15	200	287	10	*1
17	25	25	15	200	300	10	*1
18	26	25	15	200	310	10	*1
19	28	25	15	200	320	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
P104-105

NV14760-75P/-125P/-175P/-250P

Extension Bars
Verlängerungen
Rallonges



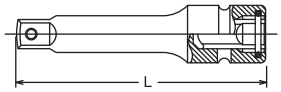
NV14760	D (mm)	L (mm)	(g)	(pcs.)	
75P	25	75	149	10	*1
125P	25	125	230	10	*1
175P	25	175	308	10	*1
250P	25	250	422	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
P104-105

NV14433A-75P/-100P/-150P

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie



NV14433A	(sq.)	(sq.)	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
P104-105

⚠ 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.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

NV16400

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

NV16400 (mm)	D1 (mm)	D2 (mm)	ℓ (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

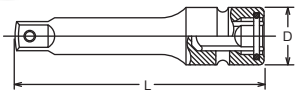
*1 C-Ring=1600C, Pin/O-Ring=1601A/B P104-105

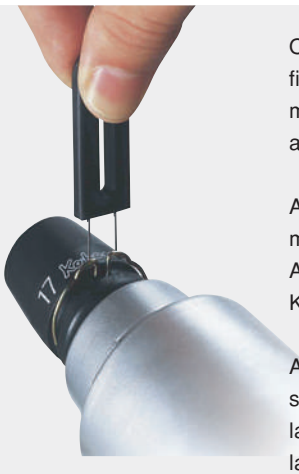
NV16760-175/-250/-330

Extension Bars
Verlängerungen
Rallonges

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 P104-105

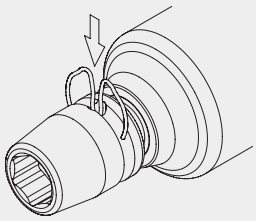


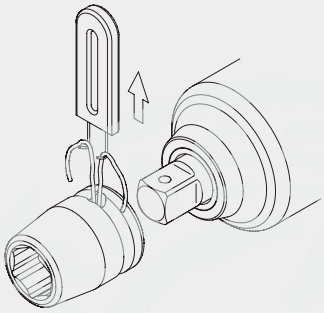


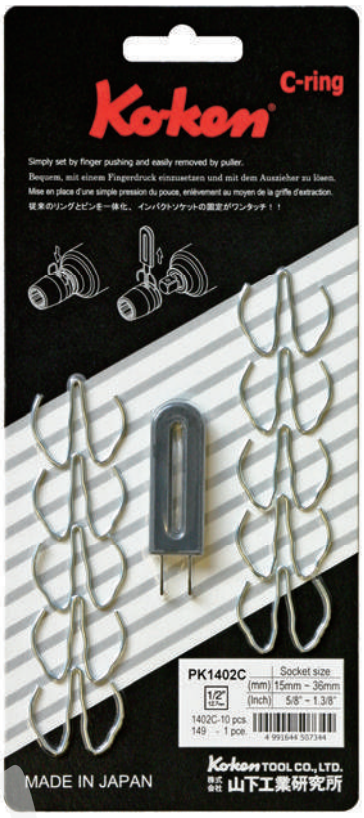
One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

Aus starkem Federstahl, in einem Stück. Bequem, mit einem Fingerdruck einzusetzen und mit dem Auszieher zu lösen. Einfacher und sicherer als die Kombination Stift und Ring.

Acier à ressorts, en une pièce. Mise en place d'une simple pression du pouce, enlèvement au moyen de la griffe d'extraction. Beaucoup plus facile et sûr que la combinaison goupille/bague.





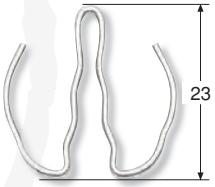


C-Ring

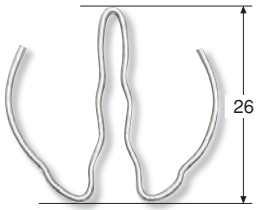
No.	⍁	Opening (mm)	(pcs.)
1301C	3/8"	≦12	100
1302C	3/8"	>12	100
1401C	1/2"	≦14	100
1402C	1/2"	>14	100
1600C	3/4"	≦46	100
1801C	1"	≦70	100
1802C	1"	>70	50
1700C	1-1/2"	≦90	50

1301C

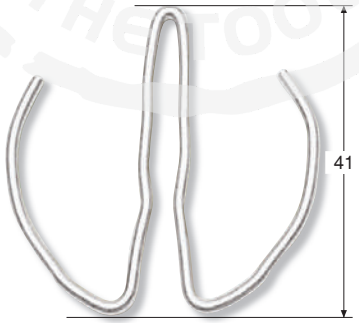
1302C



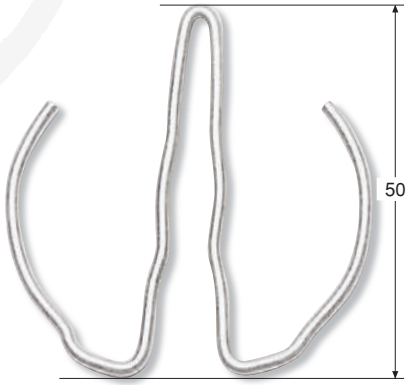
1401C



1402C



1600C



1801C

C-Ring Set

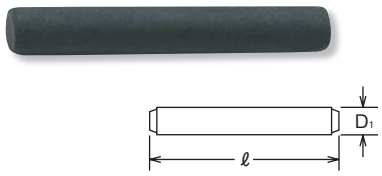
Set No.	⍁	C-Ring 10pcs.	Puller 1pce.
PK1301C	3/8"	1301C	+ 149
PK1302C	3/8"	1302C	+ 149
PK1401C	1/2"	1401C	+ 149
PK1402C	1/2"	1402C	+ 149
PK1600C	3/4"	1600C	+ 152
PK1801C	1"	1801C	+ 152

Puller

No.	⍁		(pcs.)
149	3/8"	1/2"	10
152	3/4"	1"	10

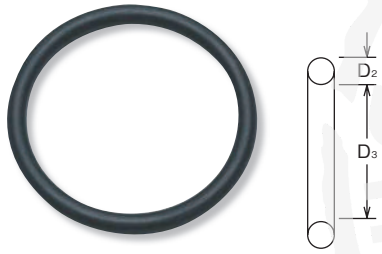
149

152



Pin

No.	□	Opening (mm)	D1 (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)	D2 (mm)	D3 (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

IMPACT Standard Sockets size	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	
	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											●

SOCKETS WITH TURNABLE PLASTIC PROTECTORS
STECKSCHLÜSSEL MIT DREHBAREN SCHUTZHÜLSEN AUS KUNSTSTOFF
DOUILLES A PROTECTIONS PLASTIFIEES

Safety

Turnable plastic protector increases operator's safety during assembly process.

Unsere drehbaren Kunststoff-Hülsen erhöhen die Arbeitssicherheit während des Montageprozesses.

Nos protections rotatives plastifiées augmentent la sécurité lors du montage.

Scratch proof

Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.

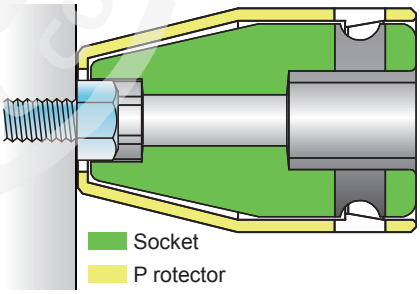
Die Protektoren vermeiden Beschädigungen an lackierten-, polierten- bzw. empfindlichen Oberflächen. Unsere Protektoren sind frei drehbar.

Les protections évitent des endommagements sur des surfaces laquées, polies ou sensibles. Nos protections ont une libre rotation.

Our Protector series is make-to-order manufacturing.

Die Kunststoffhülsen werden in Einzelfertigung hergestellt.

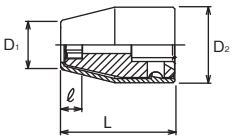
Les protections plastifiées sont fabriquées individuellement .



13400M-FR

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

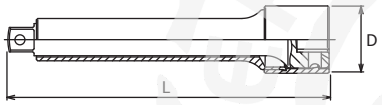
13400M (FR)	D_1 (mm)	D_2 (mm)	ℓ (mm)	L (mm)	(g)
8FR	15.7	22	6	33.3	40
10FR	18.2	22	7	33.3	40
12FR	20.8	22	9	33.3	43
13FR	21.8	25	10	33.3	56
14FR	23.6	25	10	33.3	56
16FR	26.1	25	11	33.3	57
17FR	27.3	25	12	33.3	60



13760-125P.FR/-250P.FR

Extension Bars
Verlängerungen
Rallonges

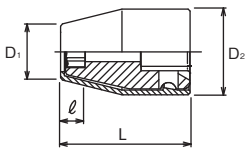
13760 (FR)	D (mm)	L (mm)	(g)
125P.FR	26.2	125	145
250P.FR	26.2	250	220



14400M-FR

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

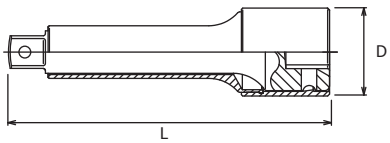
14400M (FR)	D_1 (mm)	D_2 (mm)	ℓ (mm)	L (mm)	(g)
10FR	19.5	28	7	39.3	90
12FR	22	28	9	39.3	90
13FR	23.2	28	10	39.3	90
14FR	24.8	28	11	39.3	90
16FR	27	33	10	39.3	135
17FR	28.2	33	12	39.3	135
19FR	31	33	13	39.3	130



14760-125P.FR/-250P.FR

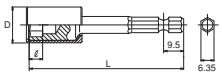
Extension Bars
Verlängerungen
Rallonges

14760 (FR)	D (mm)	L (mm)	(g)
125P.FR	34.2	125	280
250P.FR	34.2	250	480



113-75SV/-100SV/-150SV

Nut Setters
Steckschlüssel Klingen
Embouts pour écrous



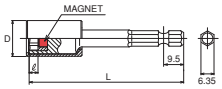
113-75 (SV)	D (mm)	ℓ (mm)	L (mm)	(g)
8SV	15.1	6	75	34
10SV	16.9	7	75	37
12SV	19.4	8	75	44
13SV	20.4	8	75	45

113-150 (SV)	D (mm)	ℓ (mm)	L (mm)	(g)
8SV	15.1	6	150	62
10SV	16.9	7	150	66
12SV	19.4	8	150	72
13SV	20.4	8	150	80

113-100 (SV)	D (mm)	ℓ (mm)	L (mm)	(g)
8SV	15.1	6	100	43
10SV	16.9	7	100	47
12SV	19.4	8	100	54
13SV	20.4	8	100	55

115-75SV/-100SV/-150SV

Nut Setters with Magnet
Steckschlüssel Klingen mit Magnet
Embouts avec aimant pour écrous



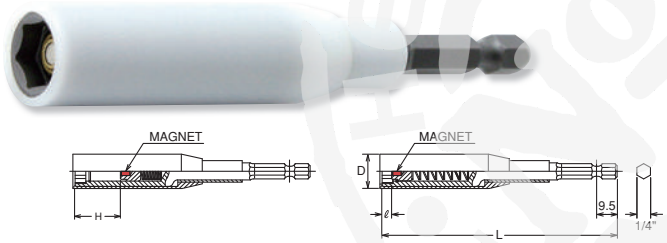
115-75 (SV)	D (mm)	ℓ (mm)	L (mm)	(g)
8SV	15.1	3.5	75	35
10SV	16.9	4.2	75	40
12SV	19.4	5.6	75	48
13SV	20.4	6	75	54

115-150 (SV)	D (mm)	ℓ (mm)	L (mm)	(g)
8SV	15.1	3.5	150	63
10SV	16.9	4.2	150	70
12SV	19.4	5.6	150	79
13SV	20.4	6	150	87

115-100 (SV)	D (mm)	ℓ (mm)	L (mm)	(g)
8SV	15.1	3.5	100	44
10SV	16.9	4.2	100	52
12SV	19.4	5.6	100	60
13SV	20.4	6	100	67

115G-100FR/-150FR/-200FR

Nut Setters with sliding Magnet
Steckschlüssel Klingen mit versenkbarem Magnet
Embouts avec aimant, glissant pour écrous



115G-200 (FR)	D (mm)	ℓ (mm)	H (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

115G-100 (FR)	D (mm)	ℓ (mm)	H (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)	ℓ (mm)	H (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

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.

AUSTAUSCH

Entfernen Sie defekte Protektoren und ersetzen Sie diese auf Ihrem Steckschlüssel/Verlängerung mittels einer Presse.
Bitte tauschen Sie zu Ihrer Sicherheit verschlissene Protektoren aus !

REMPLACEMENT

Retirez les protections défectueuses, remplacez celles-ci et fixez-les sur les douilles/rallonges à l'aide d'une presse.
Pour votre sécurité remplacez toute protection défectueuse.

Specifications or design of any product in this catalogue are subject to change without notice.
Wir behalten uns das Recht vor, jedes in diesem Katalog gezeigte Werkzeug, auch ohne vorherige Ankündigung, in Ausführung und Design ändern zu dürfen.
Nous nous réservons le droit de modifier les modèles et les dimensions des outils présentés dans ce catalogue et ce sans autre notification préalable.

INDUSTRIAL SOCKETS
STECKSCHLÜSSEL, INDUSTRIE-AUSFÜHRUNG
CLES A DOUILLES, FINISSAGE INDUSTRIEL

1/4”

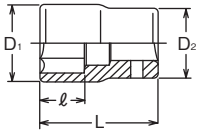
3/8”

1/2”

HERMES NOT THE TOOL COMPANY

22400M

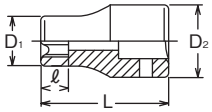
6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



22400M (mm)	D1 (mm)	D2 (mm)	ℓ (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

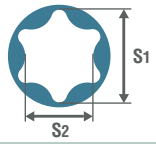
22425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



22425 (E)	D1 (mm)	D2 (mm)	ℓ (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

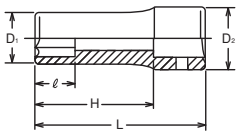
TORX® (E)



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

22300M / 22300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



22300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	10.3	11.2	8	40	50	24	10
8	11.2	11.7	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)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	9.6	11.2	7	40	50	24	10
5/16	11.2	11.7	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.

Bei den Industrial Steckschlüsseln handelt es sich um dünnwandige Werkzeuge, die ausschliesslich auf pneumatischen und elektrischen Drehschraubern (nicht schlagend) verwendet werden dürfen.

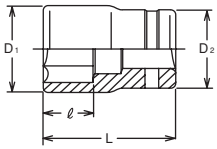
Les douilles Industrielles à paroi mince ne doivent être utilisées que sur des vis à fixer par visseuses (non-chocs).

TORX® is a registered trademark of Acument Intellectual Properties, LLC.
TORX® ist ein registriertes Markenzeichen der Firma Acument Intellectual Properties, LLC.
TORX® est une marque déposée de Acument Intellectual Properties, LLC.

3/8”

23400M / 23400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

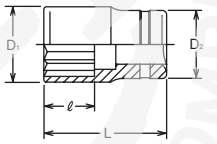


23400M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	9.3	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	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)	ℓ (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

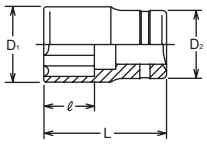
12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



23405M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
14	19.5	18.5	11	27	31	10

23410M

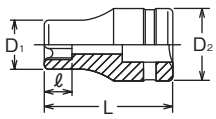
Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



23410M (mm)	D1 (mm)	D2 (mm)	ℓ (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
TORX® Steckschlüssel
Douilles TORX®



23425 (E)	D1 (mm)	D2 (mm)	ℓ (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
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

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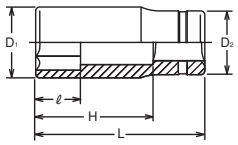
23300M / 23300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans

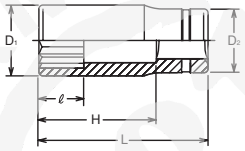


23300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	55	79	10
17	23.5	22	18	40.5	55	96	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)	ℓ (mm)	H (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

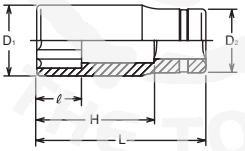
12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues 12-pans



23305M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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

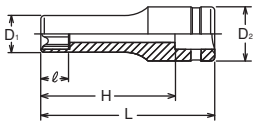
Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive



23310M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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

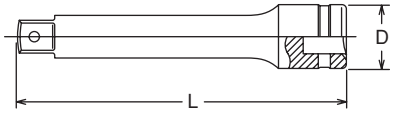
TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



23325 (E)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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

23760-75P/-125P/-250P

Extension Bars
Verlängerungen
Rallonges



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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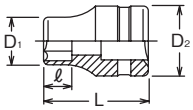
1/2”

24400M / 24400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

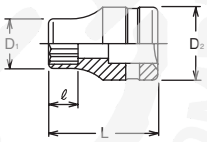


24400M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
20	27.9	26	15	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)	ℓ (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	10

24405M

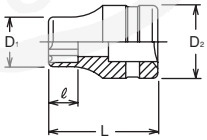
12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



24405M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
14	20.3	22	11	37	56	10
17	24.1	23	12.5	37	69	10
19	26.6	25	14	38	89	10

24410M

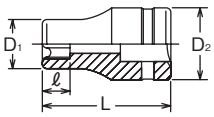
Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



24410M (mm)	D1 (mm)	D2 (mm)	ℓ (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	10

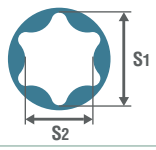
24425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



24425 (E)	D1 (mm)	D2 (mm)	ℓ (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
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
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

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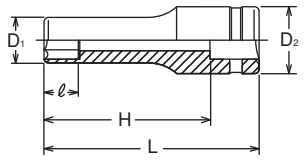
24300M / 24300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans

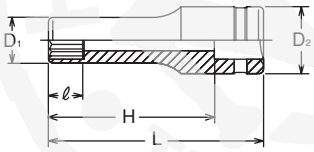


24300M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
11	16.5	21	12	59	77	95	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	164	10
19	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)	ℓ (mm)	H (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	15	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

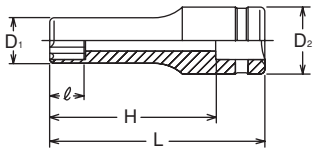
12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues 12-pans



24305M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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

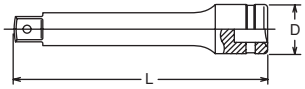
Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive



24310M (mm)	D1 (mm)	D2 (mm)	ℓ (mm)	H (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

24760-75P/-125P/-250P

Extension Bars
Verlängerungen
Rallonges

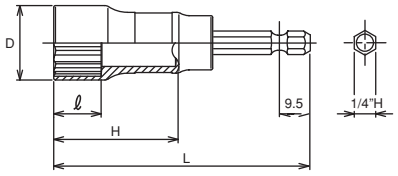


24760	D (mm)	L (mm)	(g)	(pcs.)
75P	24	75	140	10
125P	24	125	200	5
250P	24	250	370	5

TOOLS FOR CONSTRUCTION SITES
WERKZEUGE FÜR DAS BAUGEWERBE
OUTILLAGE POUR L'INDUSTRIE DU BÂTIMENT

BD014SE

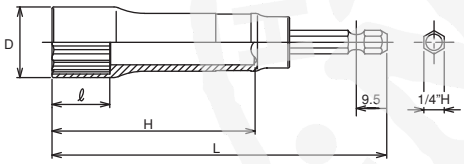
12-point Nut Setters
12-kant Steckschlüsselklingen
Douilles 12-pans à embout



BD014SE (mm)	D (mm)	ℓ (mm)	H (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

BD014E

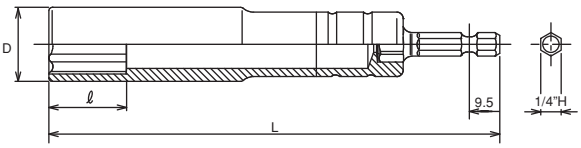
12-point Nut Setters, deep
12-kant Steckschlüsselklingen, lang
Douilles longues, 12-pans à embout



BD014E (mm)	D (mm)	ℓ (mm)	H (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

BD014E-140

6-point Nut Setters, extra deep
6-kant Steckschlüsselklingen, extra lang
Douilles extra-longues, 6-pans à embout

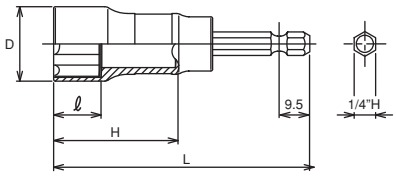


BD014E-140 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
13	19	20	140	120	10
17	24	26	140	190	10

BD014XE-SF

Surface Drive Nut Setters, Semi-Deep
Surface Drive Steckschlüsselklingen, mittel lang
Douilles semi-profondes, Surface Drive

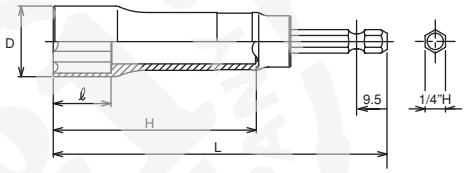
BD014XE (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
8SF	13	12	49	90	40	10
10SF	15	12	49	90	46	10
12SF	17.5	14	48	90	54	10
13SF	18.5	14	48	90	58	10
14SF	19.8	14	47	90	64	10
17SF	23.5	14	46	90	81	10
19SF	25.5	14	46	90	100	10
21SF	28	14	46	90	123	10
24SF	31.5	14	45	90	137	10



BD014E-SF

Surface Drive Nut Setters, deep
Surface Drive Steckschlüsselklingen, lang
Douilles longues, Surface Drive

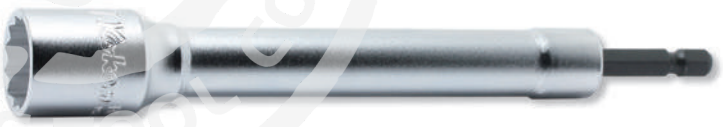
BD014E (mm)	D (mm)	ℓ (mm)	H (mm)	L (mm)	(g)	(pcs.)
17SF	23.5	18	60	104	94	10
19SF	25.5	18	60	104	100	10
21SF	28	18	60	104	110	10

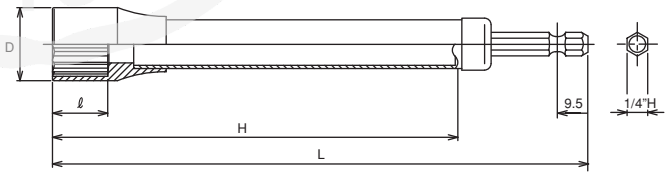


BD008E-165 (12P)

12-point Nut Setter, extra long
12-kant Steckschlüsselklinge, extra lang
Douilles 12-pans à embout, extra longues

BD008E-165 (mm)	D (mm)	ℓ (mm)	H (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

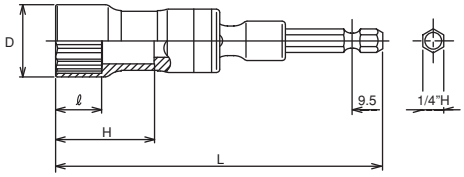




BD011SE

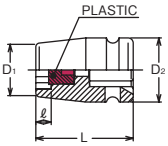
12-point Universal Joint Nut Setters
12-kant Steckschlüsselklingen mit Gelenk
Douilles 12-pans universelles à embout

BD011SE (mm)	D (mm)	ℓ (mm)	H (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



BD14400MJ

6-point Sockets for Anchor Screws
6-kant Steckschlüssel
Douilles 6-pans

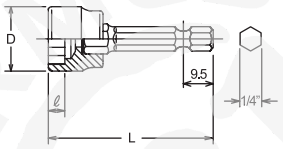


BD14400MJ (mm)	□	D1 (mm)	D2 (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
13	1/2"	20.7	25	5	38	140	10	*1
15		23.2	30	5	38	145	10	*2
16		24.5	30	6.5	38	145	10	*2
17		25.7	30	6.5	38	145	10	*2
19		28.2	30	7.5	38	145	10	*2
21		30.7	30	9	38	185	10	*2
24		34.5	30	10.5	38	190	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B
*2 C-Ring=1402C, Pin/O-Ring=1402A/B
➡P104-105

BD016E

6-point Sockets for Anchor Screws
6-kant Steckschlüssel
Douilles 6-pans

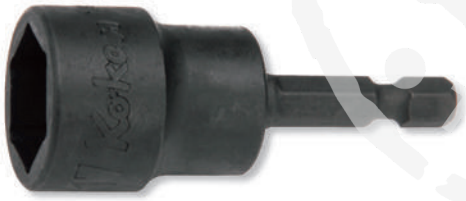


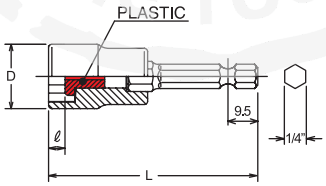
BD016E (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

DIN 3126 Form E 6.3

BD016JE

6-point Nut Setters with Plastic Stops
6-kant Steckschlüsseleinklingen mit Plastik-Anschlag
Douilles 6-pans à embout avec arrêt en plastique



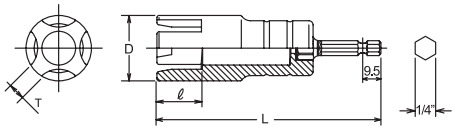


BD016JE (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
13	19.5	5	60	66	10
17	24.5	6.5	60	80	10
19	27	7.5	60	90	10

DIN 3126 Form E 6.3

BD017E

Wing Bolt Socket for Electric Drill
6-kant Steckschlüsselklingen für Flügelschrauben
Douilles 6-pans à embout pour ecrous à oreilles



	D (mm)	T (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
BD017E	31	7.3	21	104	158	10

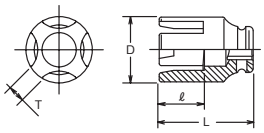
DIN 3126 Form E 6.3

BD018

Wing Bolt Socket
Steckschlüssel für Flügelschrauben
Douilles pour ecrous à oreilles

	□	D (mm)	T (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
BD018	3/8"	31	7.3	21	45	113	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1401A/B P104-105

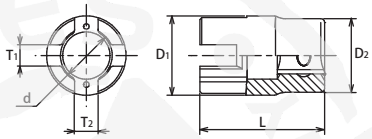


3119

Wing Bolt Socket
Steckschlüssel für Flügelschrauben
Douilles pour ecrous à oreilles

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
Für Flügelschrauben
Pour ecrous à oreilles



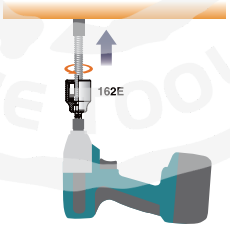
162E

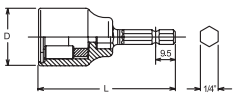
Stud Setters
Stehbolzeneindreher
Monte-goujons

162E (mm)	D (mm)	L (mm)	(g)	(pcs.)
8	23	66	82	10
10	27.9	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	27.9	66	107	10
1/2	27.9	66	108	10

⬢ **DIN 3126 Form E 6.3**

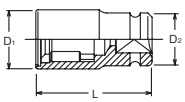




BD004

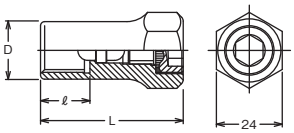
Impact Screw and Stud Setters
Impact Stehbolzeneindreher
Monte goujons, Impact

BD004 (mm)	□	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)
12.5×10	1/2"	30	25	70	236	5
12.5×13		38	30	75	388	3
12.5×16		38	30	75	369	3
20 ×19	3/4"	48	44	90	775	3
20 ×22		48	44	90	752	3
20 ×25		62	44	95	1184	2
20 ×29		62	44	95	1148	2



HA001

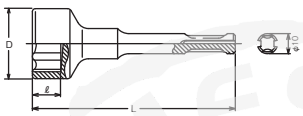
Stud Setters
Stehbolzeneindreher
Monte-goujons



HA001	D (mm)	ℓ (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
W3/8	14.8	13	47	90	10
W1/2	17.6	15	49	105	10

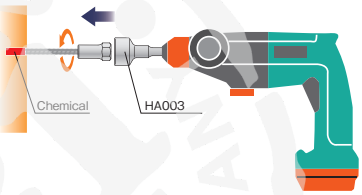
HA003

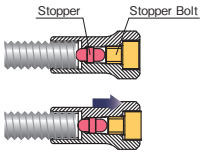
Drive Part
Antriebsteil
Propulseur



HA003 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	100	155	10

Socket for HA001





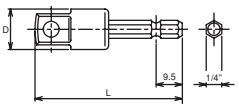
BD022-120P

Hammer Drill Adaptor
Adapter für Schlagbohrmaschinen
Adaptateur pour aléseuses

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

BD023E

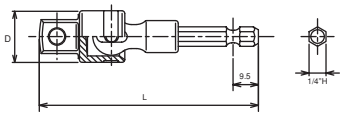
Adaptors
Verbindungsstücke
Adaptateurs



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
Gelenk Adapter
Augmentateur universel



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

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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
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[6])			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[5])						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	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
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

ANSI B 18.2.2-1972

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 18.2.1-1972

d) Square Bolts
Hex Bolts
Hex Cap Screws
Lag Screws
e) Heavy Hex Bolts
Heavy Hex Structual Bolts
Heavy Hex Screws

f) ANSI B 18.6.3-1962
g) ANSI B 18.6.2-1956
h) ANSI B 18.6.3-1962
※ Square Bolt and Lag Screw only

Screw dimension	Hexagon Head Bolt			Hexagon Socket Cap Screws			Head TORX		TORX PLUS		Trip le Square	LH STIX (Ref.) Standard Tightening Torque* (N·m)				
	Standard	Compact	High Strength	Standard	Button Head Shoulder Head	Hexagon Set Screws	T	E	IP	EP [EPL]	XZN	LH-S [LH-SS]	Grade 4.6	Grade 6.8	Grade 8.8	Grade 10.9	Grade 12.9
M2	4			1.5		0.9	T6/T8		6IP				0.12	0.24	0.32	0.45	0.54
M2.5	5			2		1.3	T8		8IP		M3		0.25	0.49	0.65	0.92	1.1
M3	5.5			2.5	2	1.5	T10	E4	8IP/10IP	4EP	M3		0.43	0.87	1.16	1.63	1.96
M3.5	(6)						T15		10IP/15IP				0.68	1.37	1.82	2.56	3.08
M4	7			3	2.5	2	T20/T25	E5	15IP/20IP	5EP	M4	LH4S	1.01	2.02	2.7	3.79	4.54
M5	8			4	3	2.5	T25/T27	E6	20IP/25IP/27IP	6EP [8EPL]	M5	LH5S	2.04	4.09	5.47	7.67	9.18
M6	10			5	4	3	T30	E8	27IP/30IP	8EP [10EPL]	M6	LH6S	3.47	6.97	9.27	13	15.6
M7	11						T40	E8	40IP	8EP [12EPL]			5.85	11.6	15.5	21.8	26.2
M8	13	(12)		6	5	4	T40/T45	E10	40IP/45IP	10EP [14EPL]	M8	LH8S	8.41	16.9	22.5	31.6	37.9
M10	16 (17)	(14)		8	6	5	T50	E12	45IP/50IP	12EP [16EPL]	M10	LH10S [LH8SS]	16.7	33.4	44.5	62.6	75.2
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	55IP	14EP [20EPL]	M12	LH12S [LH10SS]	29.1	58.3	77.6	109	131
M14	21 (22)	(19)		12			T55/T60	E14/E18	55IP/60IP	18EP [24EPL]	M14	LH14S [LH12SS]	46.4	92.7	124	174	209
M16	24	(22)	27	14	10	8	T60/T70	E16/E20	60IP/70IP	20EP [26EPL]	M16	LH16S [LH14SS]	72.3	145	194	271	325
M18	27	(24)		(14)			T70/T80	E24	80IP	24EP [30EPL]	M18		100	199	266	373	447
M20	30 (32)	(27/29)	32	17	12	10	T80/T90	E24	90IP	24EP [32EPL]			141	282	376	529	635
M22	34 (32/35)	(30/32)	36	(17)			T90/T100	E28	100IP	24EP [36EPL]			192	384	511	720	865
M24	36 (38)	(32/35)	41	19		12	T100	E32	100IP	32EP [40EPL]			244	488	650	915	1100
M27	41	(36)	46	(19)				E32		32EP			358	713	951	1340	1610
M30	46	(41)	50	22				E36		36EP			484	971	1290	1820	2180
M33	50	(46)		(24)				E40		40EP			661	1320	1760	2470	2970
M36	55 (54)	(50)		27				E44		44EP			848	1690	2260	3180	3810
M39	60 (58)	(55)		(27)									1100	2190	2920	4110	4930
M42	65 (63)			32									1350	2710	3610	5080	6080
M45	70 (67)			(32)									1700	3400	4540	6370	7630
M48	75 (71)			36									2030	4060	5440	7620	9120
M52	80 (77)			(36)									2640	5290	7040	9880	11800
M56	85			41									3270	6560	8710	12300	14800
M60	90												4080	8180	10900	15300	18300
M64	95			46									4930	9890	13100	18500	22300
M68	(100)												5970	12000	16000	22500	27000

*Reference: Hexagon Head Bolt: ISO 4014-4018, 8676, 8768
High Strength Hexagon Bolt: JIS B 1196
Hexagon Socket Head Cap Screws: ISO 7380
Hexagon Socket Button Head Screws: ISO 7380
Hexagon Socket Set Screws: ISO 4026-4029
TORX T/E: TORX Standard TMH series
TORXPLUS IP/EP: TORXPLUS Standard CMH series
Triple Square: DIN 2324/2325
LHSTIX LH-S/SS: LH-S/SS Standard

* Standard Tightening Torque: Calculated based on Torque Coefficient (K): 0.2
Axial Force (Ff) : 60% of Proof Strength(σ)

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TORX® / TORX PLUS® BITS

	S1 (mm)	S2 (mm)
T6	6IP	1.7	1.2
T7	7IP	2.0	1.4
T8	8IP	2.3	1.7
T9	9IP	2.5	1.8
T10	10IP	2.7	2.0
T15	15IP	3.3	2.3
T20	20IP	3.9	2.8
T25	25IP	4.5	3.2
T27	27IP	5.0	3.6
T30	30IP	5.6	4.0
T40	40IP	6.7	4.8
T45	45IP	7.9	5.6
T50	50IP	8.9	6.2
T55	55IP	11.3	8.0
T60	60IP	13.3	9.5
T70	70IP	15.6	11.1
T80	80IP	17.6	12.7
T90	90IP	20.0	14.2
T100	100IP	22.2	15.8

TORX® / TORX PLUS® SOCKETS

		S1 (mm)	S2 (mm)
E4	4EP	3.7	2.7
E5	5EP	4.6	3.3
E6	6EP	5.6	4.0
E7	7EP	6.1	4.3
E8	8EP	7.4	5.3
E10	10EP	9.3	6.8
E11	11EP	9.9	7.1
E12	12EP	11.0	7.9
E14	14EP	12.8	9.2
E16	16EP	14.6	10.5
E18	18EP	16.5	11.9
E20	20EP	18.3	13.2
E22	22EP	20.1	14.8
E24	24EP	22.0	15.7
E26	26EP	23.7	17.5
E28	28EP	25.5	18.3
E30	30EP	27.3	20.0
E32	32EP	29.0	21.3

PENTA-LOBE BITS

	S1 (mm)	S2 (mm)
8PR	2.2	2.0
9PR	2.4	2.2
10PR	2.6	2.4
15PR	3.1	2.8
20PR	3.6	3.3
25PR	4.1	3.8
27PR	4.7	4.3
30PR	5.2	4.8
40PR	6.3	5.7
45PR	7.4	6.7
50PR	8.4	7.6
55PR	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

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