



# Koken<sup>®</sup>

IMPACT / INDUSTRIAL



ENGLISH

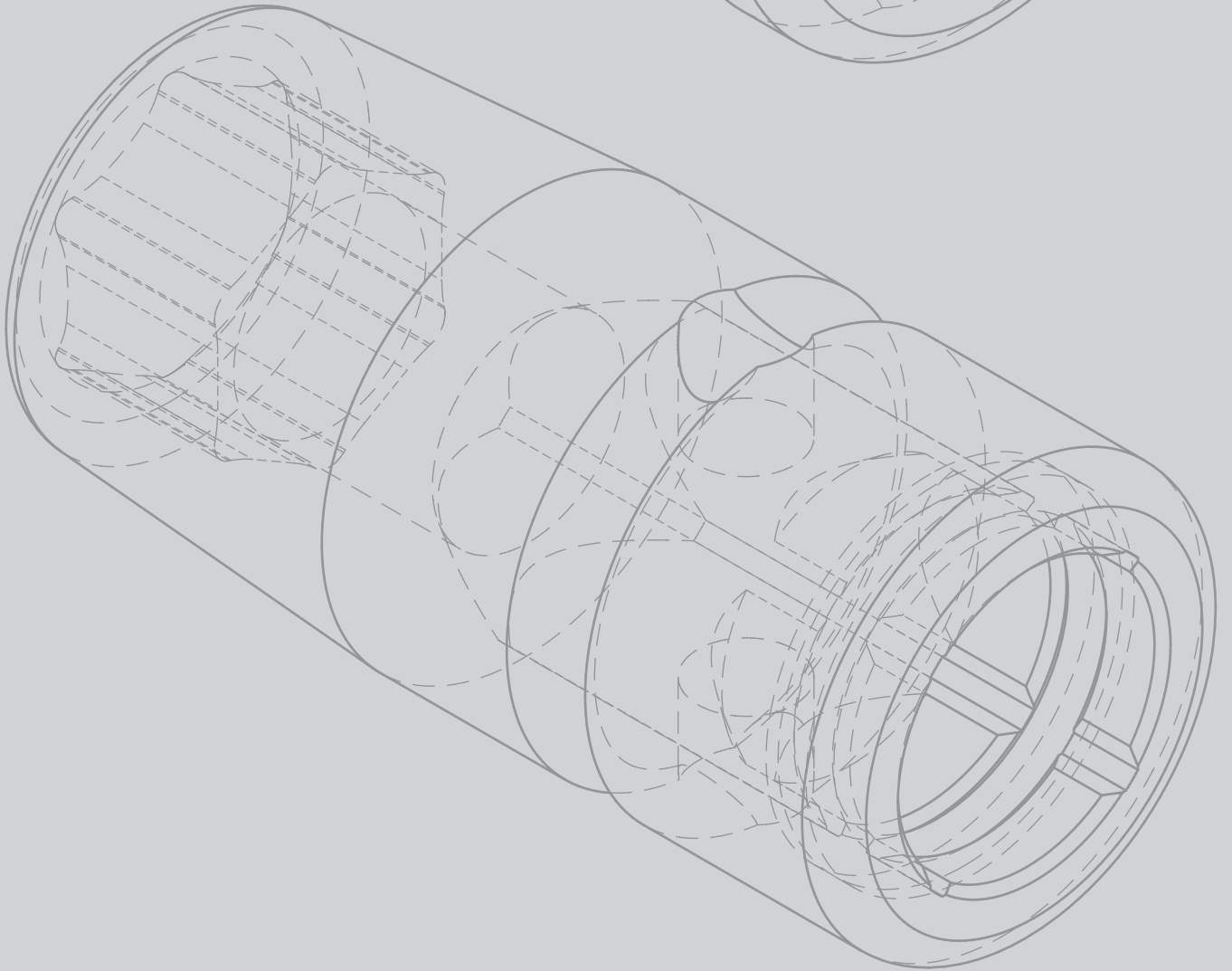
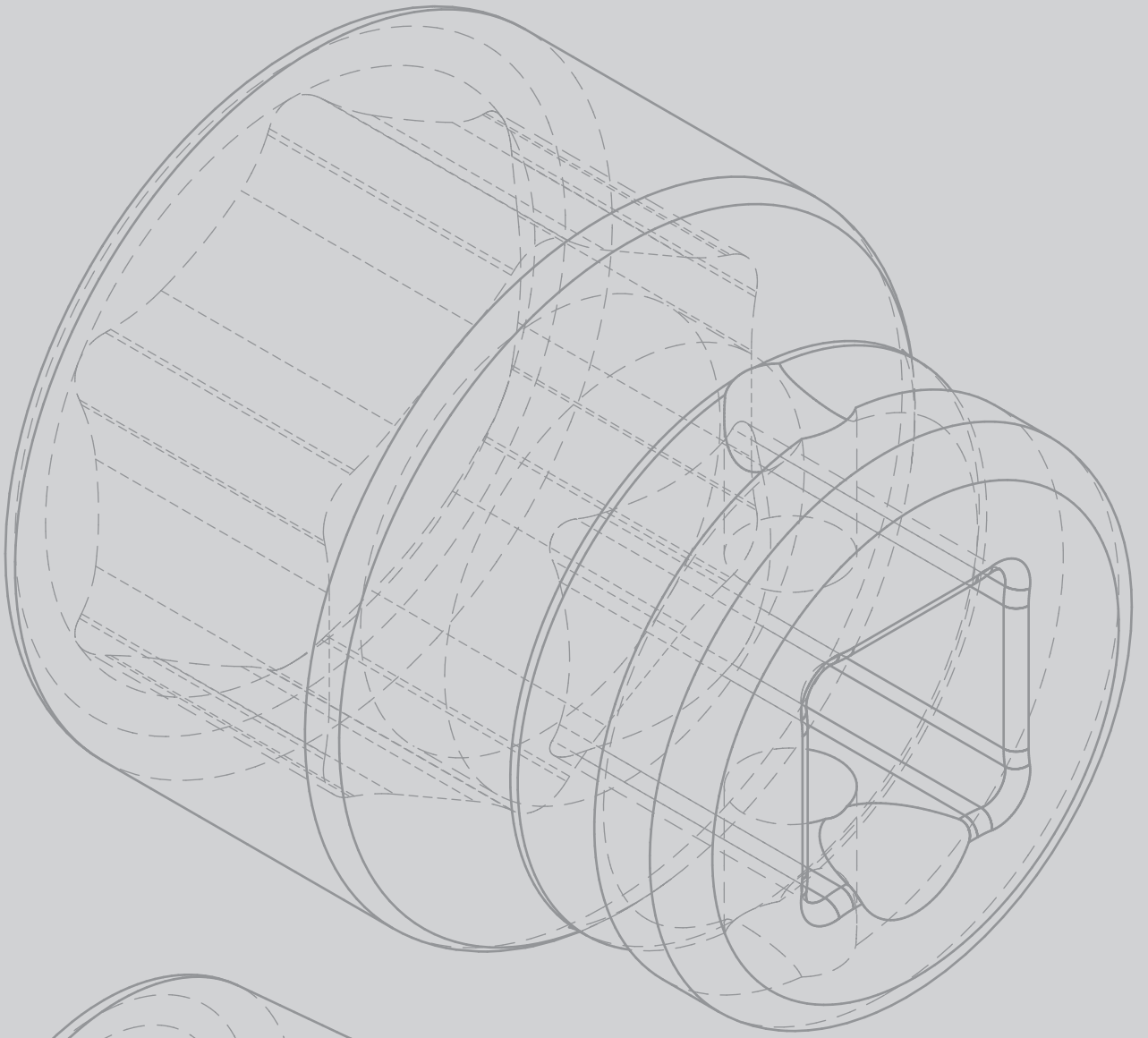


GERMAN



FRENCH

**Koken** TOOL CO., LTD.





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BITS, NUT SETTERS AND ADAPTORS

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IMPACT SOCKETS

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INDUSTRIAL SOCKETS





















## TOOLS FOR CONSTRUCTION SITES























WERKZEUGE FÜR DAS BAUGEWERBE  
OUTILLAGE POUR L'INDUSTRIE DU BÂTIMENT

**P125-130**



TOOLS FOR CONSTRUCTION SITES

Pictograms Socket openings / Bit shape					
	FLAT DRIVE® (6-point)		Stud Bolt Puller		Square Male
	FLAT DRIVE® (12-point)		TORX® (E)		TORX® (T)
	NUT GRIP®		TORXplus® (EP)		Tamper-Resistant TORX® (TH)
	Surface Drive		LH-STIX® (LH-S)		TORXplus® (IP)
	PATHFINDER®		Bit Holder		Triple-Square(XZN)
	Square		Phillips		Socket Set on Rail
	Double Square		Hexagon		

Pictograms Mechanics / Specification					
	Thin-Walled	 	1/4"(6.35mm) Sq. Dr.	 	1"(25.4mm) Sq. Dr.
	with Magnet	 	3/8"(9.5mm) Sq. Dr.	 	1.1/2"(38.1mm) Sq. Dr.
	Modification	 	1/2"(12.7mm) Sq. Dr.	 	2.1/2"(63.5mm) Sq. Dr.
	Caution	 	5/8"(15.9mm) Sq. Dr.	 	3.1/2"(88.9mm) Sq. Dr.
		 	3/4"(19.0mm) Sq. Dr.		



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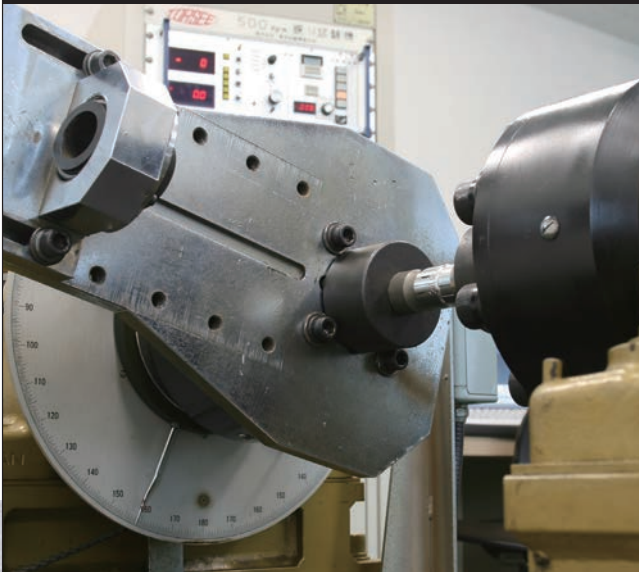
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■ TEST AND LABORATORY  
 ■ TESTLABOR  
 ■ TEST AU LABORATOIRE



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 Testmaschine durchgeführt mit der die Werkzeuge zyklisch in langen Testreihen belastet werden.
- Der Korrosionsschutz wird regelmäßig mittels Salzsprühnebelprüfung kontrolliert.

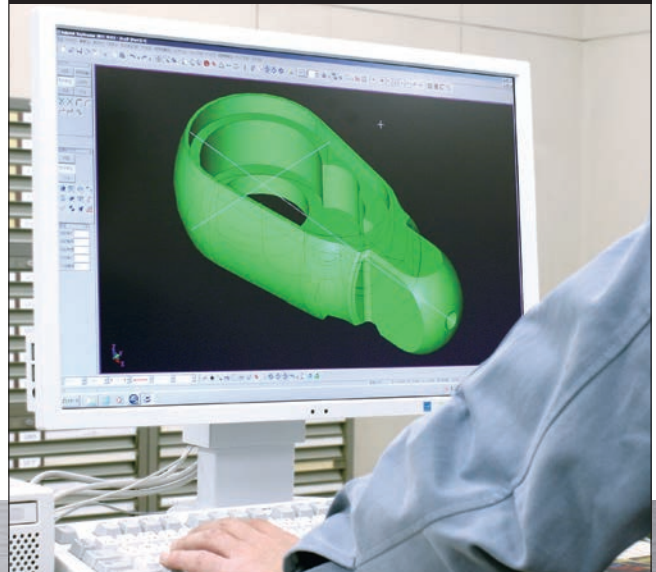
Die gewonnenen Testergebnisse ermöglichen eine stetige Verbesserung der Standardwerkzeuge und helfen bei der Entwicklung neuer Produkte.

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 zu 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.

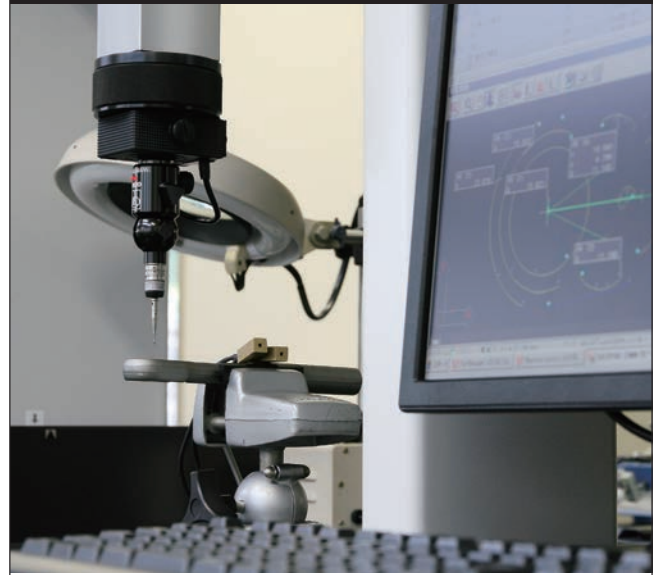
Um die optimale Stabilität und Festigkeit der Werkzeuge zu erreichen ist der Härtingsprozess der Werkzeuge von höchster Wichtigkeit.

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.



  FLAT DRIVE®

 PATHFINDER®



 SURFACE DRIVE

 NUT GRIP®



Sockets

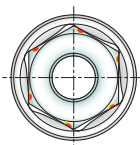
**FLAT DRIVE®**



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.

**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.

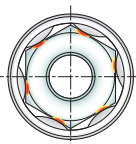
Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrschrauberschrauber) ganz besonders auswirkt.

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 particulièrement appréciable dans les chaînes de montage automatiques.

**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.

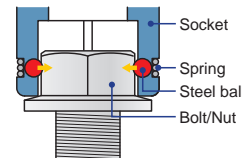
Les douilles Surface Drive sont conçues de façon à retenir les vis aux surfaces du 6 pans, afin d'éviter des dégâts sur la tête de la vis.

Les angles élargis de la douille facilitent l'enfilage des outils sur écrous et vis.

**NUT GRIP®**



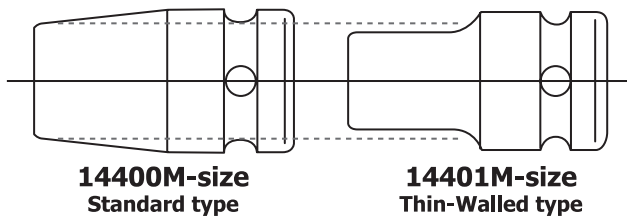
Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.



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

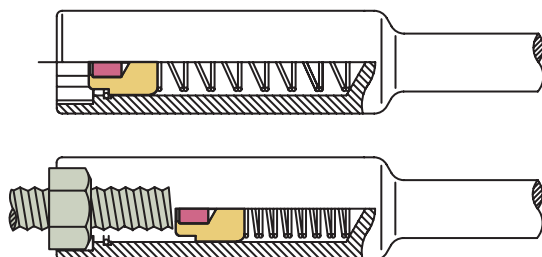


Deep



	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. Der Artikel 115G ist hauptsächlich für Arbeiten am Fließband konzipiert.

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

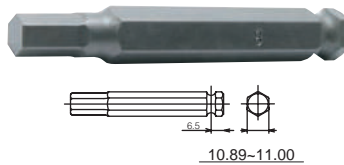
183 Series DIN 3126 E11.2 replaces 107.11 Series with 11mm 6-point shafts. The 183 Series with round shafted Bits also allow working in tapped blind holes.

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 Rundschaften, 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.



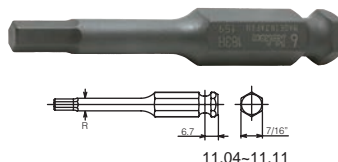
107.11



14105



183 Series (E11.2)



14134 (F11.2)



### E11.2 183 Bit Series

183H-35/-75/-150	Hex
183T-35/-75/-150(T)	<b>TORX</b> ®
183T-35/-75/(IP)	<b>TORXplus</b> ®
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	—

## Locking Adaptor



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

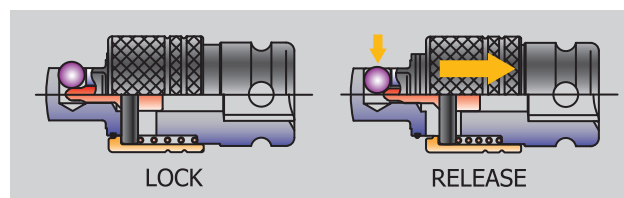
It can reduce the time to change a socket, especially when you need to use a variety of socket sizes.

Die Kraftschraubereinsätze werden durch einfaches Verschieben der Hülse am Adapter, ohne Verwendung von Stift und O-Ring, sicher gehalten bzw. entriegelt.

Die Zeit für den Wechsel eines Steckschlüssels wird dadurch deutlich verkürzt, insbesondere wenn Sie eine Vielzahl von verschiedenen Abmessungen verwenden müssen.

Vos douilles à chocs peuvent être facilement maintenues et libérées en déplaçant le support de l'adaptateur sans devoir utiliser la goupille et le joint.

Le temps nécessaire pour changer une clé à douille est considérablement réduit, surtout si vous devez utiliser une variété de dimensions différentes.



**TORX® / TORXplus® & LHSTIX®**

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

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

**TORX® / TORXplus®** 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®**



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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®

**Ko-ken Factory / Das Ko-ken Werk / L'usine Ko-ken**



**Warranty / Garantie / Garantie**

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

**ISO9001**








SAFETY  
ADVISER

SICHERHEITS-  
RATGEBER

MESURES  
DE SÉCURITÉ

## General / Allgemeines / 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 en plastique ou en 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 INDUSTRIAL-oder IMPACT-Werkzeuges ein HAND-Werkzeug oder anstatt eines IMPACT-Werkzeuges ein INDUSTRIAL-Werkzeug.  
Ne vous servez donc jamais d'un outil à main au lieu d'un outil INDUSTRIAL ou IMPACT ou d'un outil INDUSTRIAL 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. Ceci 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 Verbraucherscheinungen sind umgehend zu ersetzen.

Les clés qui présentent des fissures capillaires, 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.

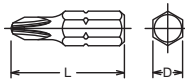
**Koken**

**BITS, NUT SETTERS AND ADAPTORS**  
**BITS, STECKSCHLÜSSELKLINGEN UND VERBINDUNGSSTÜCKE**  
**EMBOUTS POUR ÉCROUS ET ADAPTATEURS**



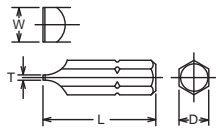
**108P-25 / -32 / -50**

⊕ PH Bits  
PH Bits  
Embouts, PH



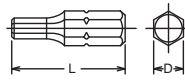
**108S-25 / -39**

⊖ Slotted Bits  
Schlitz Bits  
Embouts, fente



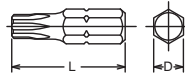
**108H-25**

⬠ Hex Bits  
Sechskant Bits  
Embouts, 6 pans creux



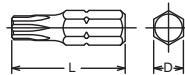
**108T-25 (T)**

⬠ TORX® Bits  
TORX® Bits  
Embouts, TORX®



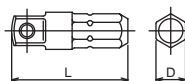
**108T-25 (TH)**

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



**108A**

⬠ Adaptor  
Verbindungsstück  
Adaptateur



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

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	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5x3	6.35	25	3	10
4	0.6x4	6.35	25	3	10
4.5	0.6x4.5	6.35	25	4	10
5	0.8x5	6.35	25	5	10
5.5	0.8x5.5	6.35	25	5	10
6	1.0x6	6.35	25	5	10
8	1.2x8	6.35	25	6	10

108S-39	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5x3	6.35	39	6	10
4	0.6x4	6.35	39	6	10
4.5	0.6x4.5	6.35	39	6	10
5	0.8x5	6.35	39	7	10
5.5	0.8x5.5	6.35	39	8	10
6	1.0x6	6.35	39	9	10
8	1.2x8	6.35	39	12	10

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

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

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

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

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



		D <sub>1</sub> (mm)	D <sub>2</sub> (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

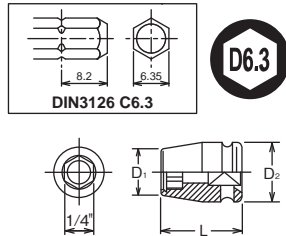
\*1 Pin/O-Ring=A21/B21

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

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

→ P110-111

For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



**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



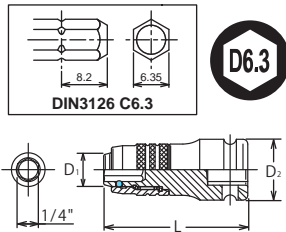
		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

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

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

→ P110-111

For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



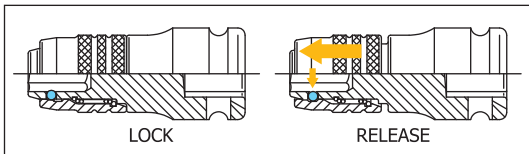
**13142-D6.3** Impact Bit Holder  
Impact Klingenhalter   
Porte embouts Impact



**14142-D6.3** Impact Bit Holder  
Impact Klingenhalter   
Porte embouts Impact

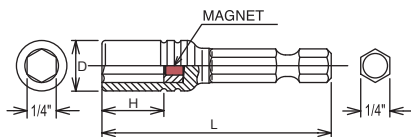


### Lock & Quick Release



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

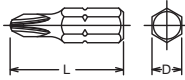
	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
180M-50	11	13.5	50	15	10



**180M-50** Bit Holder with Magnet  
Klingenhalter mit Magnet  
Porte-embouts avec aimant



## 100P-32 / -80 / -125 PH Bits PH Bits Embouts, PH

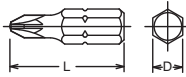


100P-32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

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

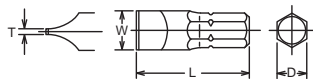
100P-125 (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	8	125	48	10
3	8	125	49	10

## 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

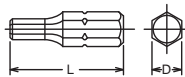
## 100S-32 / -80 Slotted Bits Schlitz Bits Embouts, fente



100S-32	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 x 6	8	32	10	10
7	1 x 7	8	32	11	10
8	1.2x 8	8	32	12	10
9	1.6x 9	8	32	12	10
10	1.6x10	8	32	13	10
11	1.6x11	8	32	15	10
12	2 x12	8	32	18	10
14	2 x14	8	32	21	10

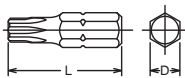
100S-80	TxW (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 x 6	8	80	29	10
7	1 x 7	8	80	30	10
8	1.2x 8	8	80	31	10
9	1.6x 9	8	80	32	10
10	1.6x10	8	80	33	10
11	1.6x11	8	80	33	10
12	2 x12	8	80	34	10
14	2 x14	8	80	37	10

## 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
9	8	32	16	10
10	8	32	16	10
11	8	32	20	10
12	8	32	23	10
14	8	32	29	10

## 100T-32 (T) TORX® Bits TORX® Bits Embouts, TORX®



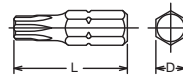
100T-32 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

100T-32 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	8	32	9	10
T15H	8	32	9	10
T20H	8	32	9	10
T25H	8	32	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.

## 100T-32 (TH)

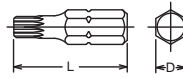
Tamper-Resistant TORX® Bits  
Tamper-Resistant TORX® Bits  
Embouts TORX®, Tamper-Resistant



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

## 100X-32 (XZN)

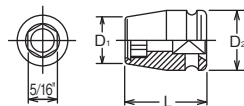
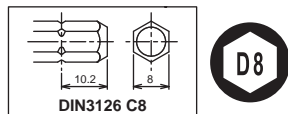
XZN Bits  
XZN Bits  
Embouts, XZN



		D <sub>1</sub> (mm)	D <sub>2</sub> (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=A21/B21  
\*2 C-Ring=C31, Pin/O-Ring=A31/B31  
\*3 C-Ring=C41, Pin/O-Ring=A41/B41

For DIN3126 C8 Bits  
Für DIN3126 C8 Bits  
Pour DIN3126 C8 Embouts



## 12140

Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



## 13140

Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



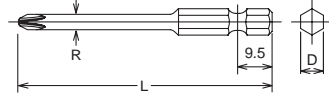
## 14140

Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



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

PH Bits  
PH Bits  
Embout, PH



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

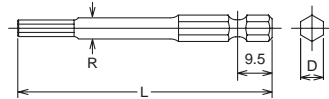
121P-70 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	70	15	10
2	6.35	5.5	70	15	10
3	6.35	-	70	16	10

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

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

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

Hex Bits  
Sechskant Bits  
Embout, 6 pans creux



121H-50 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	50	11	10
2.5	6.35	3	50	12	10
3	6.35	3.5	50	12	10
4	6.35	4.5	50	12	10
5	6.35	5.6	50	13	10
6	6.35	-	50	14	10

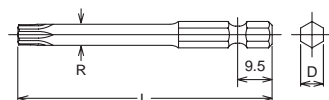
121H-70 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	70	13	10
2.5	6.35	3	70	15	10
3	6.35	3.5	70	15	10
4	6.35	4.5	70	15	10
5	6.35	5.6	70	16	10
6	6.35	-	70	18	10

121H-100 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	100	22	10
2.5	6.35	3	100	23	10
3	6.35	3.5	100	23	10
4	6.35	4.5	100	23	10
5	6.35	5.6	100	24	10
6	6.35	-	100	26	10

121H-150 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3.5	150	35	10
2.5	6.35	3.5	150	35	10
3	6.35	3.5	150	37	10
4	6.35	4.5	150	37	10
5	6.35	5.6	150	38	10
6	6.35	-	150	39	10

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

TORX® Bits  
TORX® Bits  
Embout, TORX®



121T-50 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3	50	12	10
T15	6.35	3.5	50	12	10
T20	6.35	4.1	50	12	10
T25	6.35	4.6	50	12	10
T27	6.35	5.2	50	13	10
T30	6.35	5.7	50	13	10
T40	6.35	-	50	14	10

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

121T-100 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	100	24	10
T15	6.35	3.5	100	24	10
T20	6.35	4.1	100	24	10
T25	6.35	4.6	100	24	10
T27	6.35	5.2	100	24	10
T30	6.35	5.7	100	25	10
T40	6.35	-	100	26	10

121T-150 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	150	35	10
T15	6.35	3.5	150	37	10
T20	6.35	4.1	150	37	10
T25	6.35	4.6	150	37	10
T27	6.35	5.2	150	37	10
T30	6.35	5.7	150	38	10
T40	6.35	-	150	39	10

121T-70 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	70	15	10
T20H	6.35	4.1	70	16	10
T25H	6.35	4.6	70	16	10
T27H	6.35	5.2	70	17	10
T30H	6.35	5.7	70	17	10
T40H	6.35	-	70	18	10

121T-100 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	100	22	10
T20H	6.35	4.1	100	24	10
T25H	6.35	4.6	100	24	10
T27H	6.35	5.2	100	24	10
T30H	6.35	5.7	100	25	10
T40H	6.35	-	100	26	10

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

121T-50 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	50	12	10
25IP	6.35	4.6	50	12	10
27IP	6.35	5.2	50	13	10
30IP	6.35	5.7	50	13	10
40IP	6.35	-	50	14	10

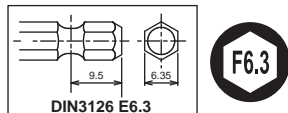
121T-70 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	70	16	10
25IP	6.35	4.6	70	16	10
27IP	6.35	5.2	70	17	10
30IP	6.35	5.7	70	17	10
40IP	6.35	-	70	18	10

	□	D <sub>1</sub> (mm)	D <sub>2</sub> (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=A21/B21  
 \*2 C-Ring=C31, Pin/O-Ring=A31/B31  
 \*3 C-Ring=C41, Pin/O-Ring=A41/B41

→ P110-111

For DIN3126 E6.3 Bits  
 Für DIN3126 E6.3 Bits  
 Pour DIN3126 E6.3 Embouts



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.

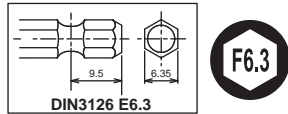
Ces nouveaux porte embouts peuvent être utilisés avec tous les embouts 1/4" DIN 3126 E-6.3 et DIN 3126 C6.3

	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
12142-F6.3	1/4"	16.5	13	40	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3

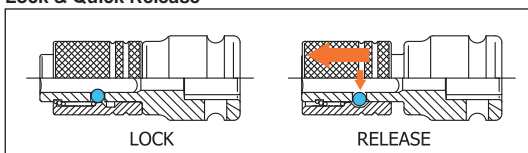
\*1 Pin/O-Ring=A21/B21  
 \*2 C-Ring=C31, Pin/O-Ring=A31/B31  
 \*3 C-Ring=C41, Pin/O-Ring=A41/B41

→ P110-111

For DIN3126 E6.3 Bits  
 Für DIN3126 E6.3 Bits  
 Pour DIN3126 E6.3 Embouts



**Lock & Quick Release**

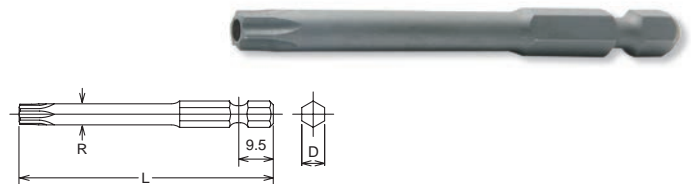


**⚠** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

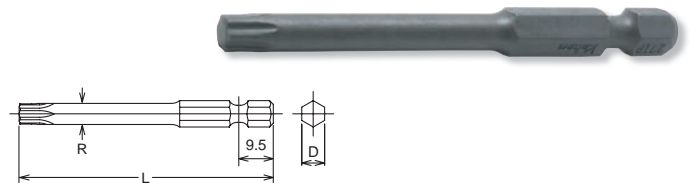
## 121T-70 / -100 (TH)

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



## 121T-50 / -70 (IP)

**⚠** TORXPLUS® Bits  
 TORXPLUS® Bits  
 Embouts TORXPLUS®



## 12137E 13137E 14137E

**⊙** Impact Bit Holder  
 Impact Klingenhalter  
 Porte embouts Impact

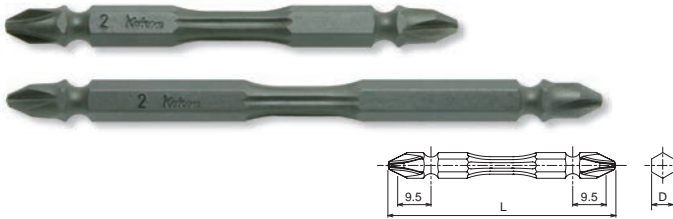


## 12142-F6.3 13142-F6.3 14142-F6.3

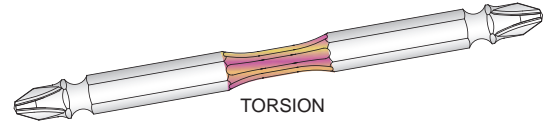
**⊙** Impact Bit Holder (Quick Release)  
 Impact Klingenhalter (Quick Release)  
 Porte embouts Impact (Quick Release)



**123PT-75 / -100** Double ended Torsion Bits, Phillips  
Doppelseitige Torsionsbits, Phillips  
Embouts torsion double face, Phillips

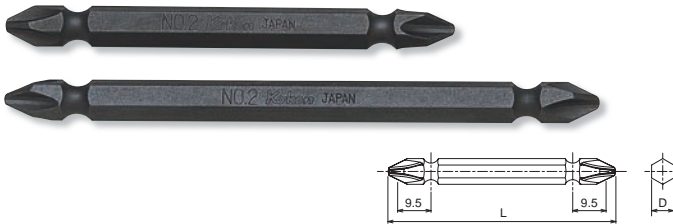


123PT (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10



**123PN-75 / -100** Double ended Bits, Phillips  
Doppelseitige bits, Phillips  
Embouts double face, Phillips

**123PG-75 / -100** Magnetic type  
Magnétique  
Type magnétique



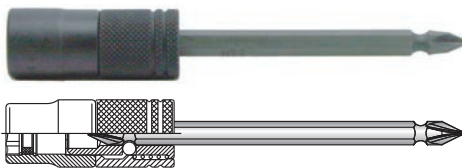
123PN.75 123PG.75 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10

123PN.100 123PG.100 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10

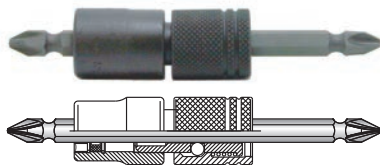
**165LM** Slide Socket with Magnet  
Gleitsteckschlüssel mit Magnet  
Clé à douille coulissante avec aimant



**Nut Setter**



**Phillips Bit**



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

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

Schieben Sie den Gleitsteckschlüssel durch Ziehen an der Hülse des Halters. Ziehen Sie das Werkzeug soweit zurück bis es sich in der Nut des Bits verriegelt. Zur Arbeitserleichterung hält der Ringmagnet die Schraube bzw. die Mutter.

Poussez la clé à douille coulissante en tirant sur le support. Tirez l'outil vers l'arrière jusqu'à ce qu'il s'enclenche dans la rainure de la meche. L'aimant maintient la vis ou l'écrou pour faciliter le travail.

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

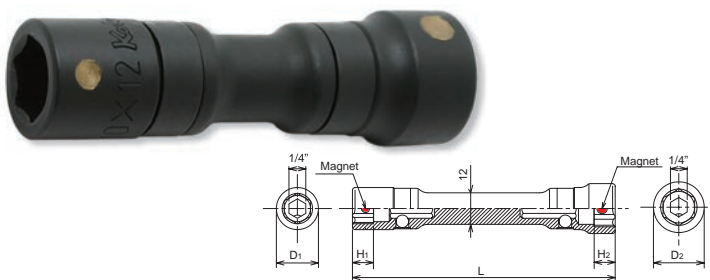
Sie dürfen das Gleiteil nicht während der Bewegung halten, um Erwärmung durch Reibung und unnötigen Verschleiss zu vermeiden.

Ne pas tenir la partie coulissante pendant le mouvement pour éviter l'échauffement du au frottement et à l'usure inutile.

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

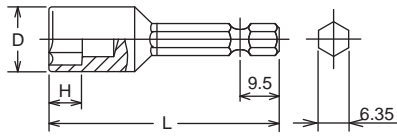
Der Magnet kann durch Stöße beschädigt werden. Bitte gehen Sie vorsichtig vor. L'aimant peut être endommagé par des chocs importants. Veuillez procéder avec précaution.

**165BM-80/-100** Double sided Socket with Magnets  
Doppelseitiger Steckschlüssel mit Magnet  
Douille à double fonctions avec aimant



165BM-80 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	(g)	(pcs.)
10x12	16	19.1	80	8	8	95	10
10x13	16	20.5	80	8	8	100	10

165BM-100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	(g)	(pcs.)
8x10	13	16	100	6	8	72	10
10x12	16	19.1	100	8	8	105	10
10x14	16	21.5	100	8	10	110	10
12x14	19.1	21.5	100	8	10	135	10



113-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	31	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10

## 113-50

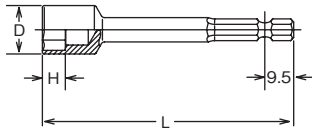
Nut Setters  
Steckschlüssel Klingen  
Embouts pour écrous



113-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14.2	7	50	31	10
1/2	18	8	50	42	10

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

Nut Setters  
Steckschlüssel Klingen  
Embouts pour écrous



113-75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	75	31	10
8	12.7	6	75	32	10
10	14.5	7	75	35	10
12	17	8	75	42	10
13	18	8	75	41	10
14	19	9	75	43	10

113-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	100	40	10
8	12.7	6	100	41	10
10	14.5	7	100	45	10
12	17	8	100	52	10
13	18	8	100	51	10
14	19	9	100	53	10

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

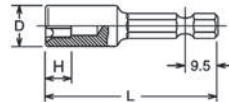
113-200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10

113-250 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	250	99	10
8	12.7	6	250	100	10
10	14.5	7	250	105	10
12	17	8	250	113	10
13	18	8	250	114	10
14	19	9	250	119	10

113-50 (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10

## 113-50 (E)

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



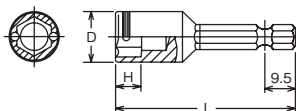
113-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7(2B)	11	5	50	20	10
8(2B)	12	6	50	21	10
10(2B)	14.2	7	50	26	10
13(2B)	18	8	50	31	10



## 113-50 (2B)

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

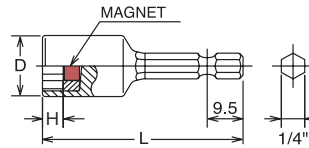
113-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8(2B)	14.2	7	50	26	10



### 115-50



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



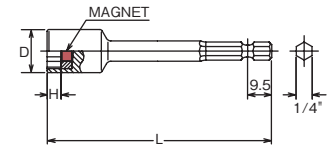
115-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

115-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	2.4	50	17	10
5/16	12	3.5	50	20	10
3/8	14.2	4.2	50	29	10
1/2	18	6	50	50	10

### 115-75 / -100 / -150 / -200 / -250



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



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

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

115-150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	150	60	10
8	12.7	3.5	150	61	10
10	14.5	4.2	150	68	10
12	17	5.6	150	77	10
13	18	6	150	82	10
14	19	6.4	150	85	10

115-200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	200	79	10
8	12.7	3.5	200	80	10
10	14.5	4.2	200	88	10
12	17	5.6	200	97	10
13	18	6	200	102	10
14	19	6.4	200	105	10

115-250 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	250	101	10
8	12.7	3.5	250	103	10
10	14.5	4.2	250	110	10
12	17	5.6	250	118	10
13	18	6	250	122	10
14	19	6.4	250	124	10



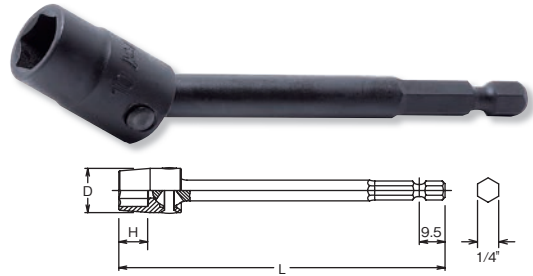


## 113UN-100 / -150 / -200

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

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

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



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

## 115G-75 / -100 / -150 / -200 / -250

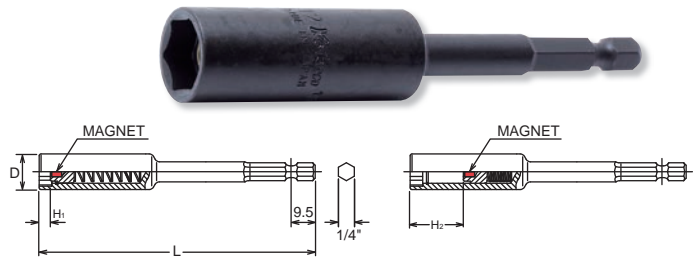
Nut Setters with sliding Magnet  
Steckschlüssel Klingen mit versenkbarem Magnet  
Embouts avec aimant, glissant pour écrous



115G-75 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

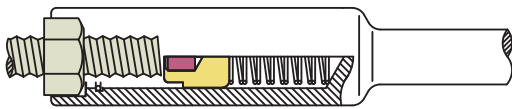
115G-150 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

115G-250 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
8	12.7	4	26	250	110	10
10	14.5	4.5	26	250	120	10
12	17	6	26	250	130	10
13	18	6.5	25	250	150	10



115G-100 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	100	51	10
8	12.7	4	26	100	51	10
10	14.5	4.5	26	100	57	10
12	17	6	26	100	77	10
13	18	6.5	25	100	80	10
14	19	7	24	100	82	10

115G-200 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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.

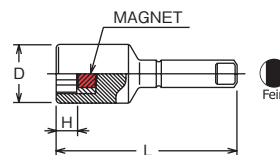
L'embout avec aimant glissant offre une fonction d'aimant et laisse assez d'espace pour des goujons surmontés. L'objet 115G a été conçu spécialement pour le travail d'assemblage.

119 (mm)	D (mm)	H (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)	H (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

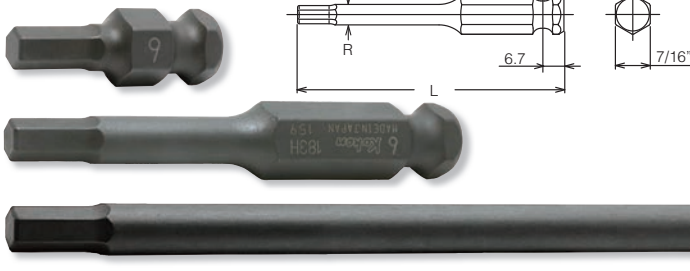
## 119

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

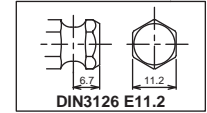


## 183H-35/-75/-150

Hex Bits  
Sechskant Bits  
Embouts, 6 pans creux



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



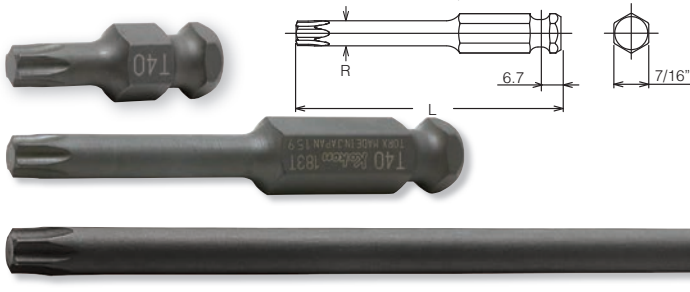
183H-35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

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

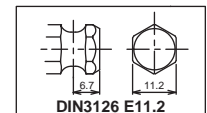
183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6.0	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

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

TORX® Bits  
TORX® Bits  
Embouts, TORX®



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

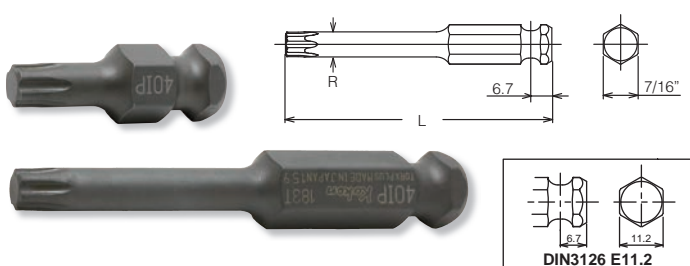


183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	75	6.0	35	10
T40	75	6.9	37	10
T45	75	8.0	41	10
T50	75	9.0	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10

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®

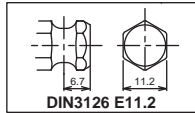


183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

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

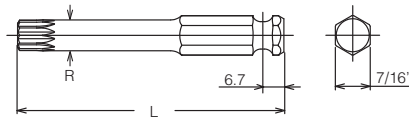
The items with ⚠ have larger output size than 7/16" input hex drive. Due to this design the Maximum output torque rating is less than standards.

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



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

XZN Bits  
XZN Bits  
Emboutis, XZN



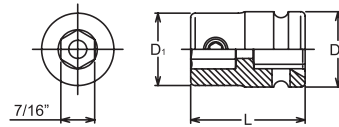
183X-75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6.0	34	10
M 5	75	6.0	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

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

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

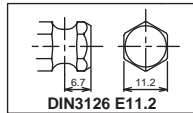
## 13134 Impact Bit Holder 14134 Impact Klingenhalter 16134 Porte embouts Impact

	□	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	⚡
13134	3/8"	24	22	32	70	10	*1
14134	1/2"	24	25	38	90	10	*2
16134	3/4"	24	44	52	200	2	*3



\*1 C-Ring=C32, Pin/O-Ring=A32/B32  
\*2 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*3 C-Ring=C61, Pin/O-Ring=A61/B61

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts

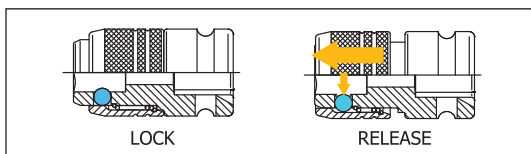
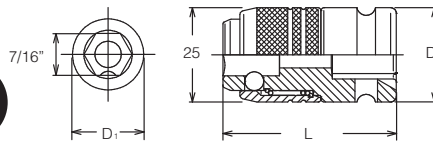
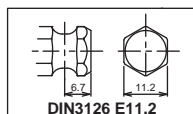


13134-SC  
Replacement Screw : M8x6, ● 4mm  
Ersatzschraube : M8x6, ● 4mm  
Vis de remplacement : M8x6, ● 4mm

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

\*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111  
\*2 C-Ring=C41, Pin/O-Ring=A41/B41

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts



Adaptors with male Square  
Verbindungssteile mit Aussenvierkant  
Adaptateurs avec carré mâle

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

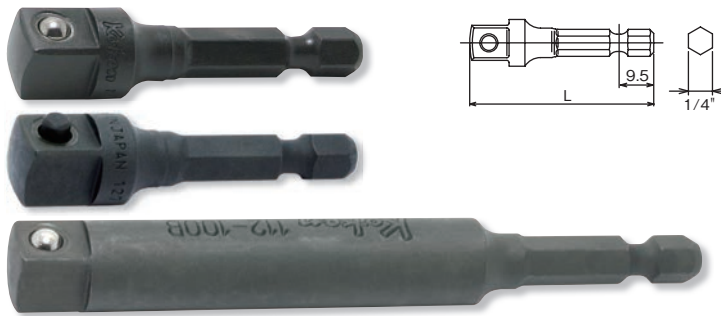
**110-35B / -50B / -100B / -150B**  
**-35P / -50P / -100P / -150P**



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	

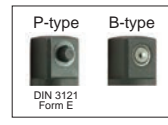
● DIN 3126 Form E 6.3

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

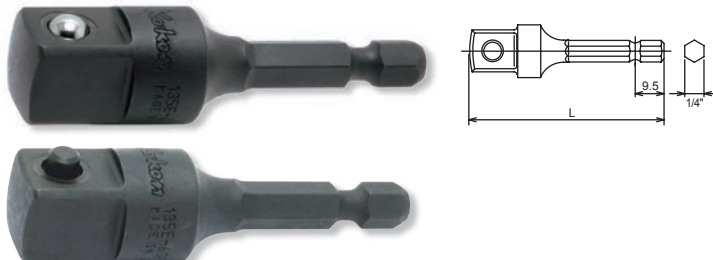


112		TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	22	10
50P		Pin	50	22	10
100B		Ball	100	71	10
100P		Pin	100	71	10
150B		Ball	150	121	10
150P		Pin	150	121	10

● DIN 3126 Form E 6.3



**135E-60B / -60P**



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

● DIN 3126 Form E 6.3

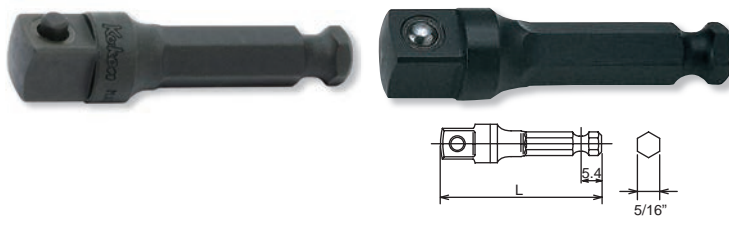
**117-50B / -100B**  
**-50P / -100P**



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

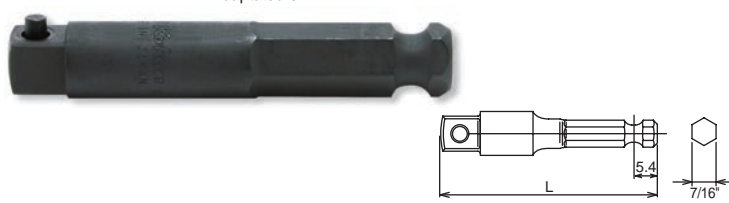
**120-50B / -50P**



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**



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"



# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

BITS, NUT SETTERS AND ADAPTORS



































































IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

Impact Sockets		Square Drive														
		1/4"(6,35mm)SQ.			3/8"(9,5mm)SQ.			1/2"(12,7mm)SQ.			5/8"(15,9mm)SQ.			3/4"(19mm)SQ.		
		No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page			
	 6-point	12400M	mm	30	13400M	mm	34	14400M	mm	51	15400M	mm	74	16400M	mm	76
	 6-point (Thin-walled)	12400A	inch	30	13400A	inch	34	14400A	inch	51				16400A	inch	76
	 6-point (with Magnet)	12400MG	mm	30	13400MG	mm	34	14400MG	mm	53						
	 12-point	12400AG	inch	30	13400AG	inch	34									
	 12-point (Thin-walled)				13405M	mm	34	14405M	mm	51				16405M	mm	76
	 Surface				13405A	inch	34	14405A	inch	51				16405A	inch	76
	 PATHFINDER®	12410M	mm	30	13410M	mm	36	14410M	mm	53	15410M	mm	74	16410M	mm	77
	 TORX® (E)	12465M	mm	31	13465M	mm	36	14465M	mm	54						
	 TORX® (E) (with Magnet)	12425	TORX®	31	13425	TORX®	36	14425	TORX®	54				16425	TORX®	77
	 TORXplus® (EP)				13425EG	TORX®	36									
	 LH-S				13425EPL	TORXplus®	36	14425-EPL	TORXplus®	54				16425-EPL	TORXplus®	78
	 for Self Tapping Screws	12401M	mm	30	13401M	mm	35	14401M	mm	52						
	 for Self Tapping Screws (with Magnet)	12460M	mm	31	13460M	mm	37	14406M	mm	52						
	 Double Square	12460A	inch	31	13460A	inch	37	14406A	inch	52						
	 for Weld Nut	12460MG	mm	31	13460MG	mm	37									
 for Weld Nut	12460AG	inch	31	13460AG	inch	37										
 Short Sockets	 6-point (Thin-walled)				14415M	mm	54									
 Semi Deep Sockets	 6-point (Thin-walled)				13400-WN		37	14400-WN		54						
	 6-point (with Slide Magnet)															
	 6-point (with Slide Magnet)															
 Deep Sockets	 6-point	12300M	mm	32	13300M	mm	38	14300M	mm	55	15300M	mm	74	16300M	mm	78
	 6-point (Thin-walled)				13300A	inch	38	14300A	inch	55				16300A	inch	78
	 6-point (with Slide Magnet)				13301M	mm	39	14301M	mm	56				16301M	mm	79
	 12-point	12300G	mm	32	13301A	inch	39	14301A	inch	56				16301A	inch	79
	 12-point (Thin-walled)				13300G	mm	40	14300G	mm	57						
	 Surface				13305M	mm	39	14305M	mm	56				16305M	mm	79
	 PATHFINDER®				13306M	mm	39	14306M	mm	56						
	 TORX® (E)	12365M	mm	32	13310M	mm	40	14310M	mm	57	15310M	mm	74	16310M	mm	79
 Extension Sockets	 6-point				13325	TORX®	40	14325	TORX®	57				16325	TORX®	80
	 6-point (with Magnet)															
	 12-point				13145M	mm	42	14145M	mm	62						
 Universal Sockets	 6-point				13145MG	mm	42									
	 6-point (Extension)				13145M(12P)	mm	42									
	 TORX® (E)				13440M	mm	41	14440M	mm	58						
 Bit Sockets	 Hexagon				13440A	inch	41	14440A	inch	58						
	 TORX® (T)				13146M	mm	43	14146M	mm	62						
 Bit Sockets (Bit changeable)	 Hexagon				13440T	TORX®	41									
	 TORX® (T)															
	 TORXplus® (IP)															
	 XZN (Triple Square)															
 Universal Bit Sockets	 Hexagon				13012M	mm	44	14012M	mm	65						
	 Hexagon (Extension)				13025	TORX®	44	14025	TORX®	65						
 Extension Bars	 Hexagon				13134M	mm	47	14134M	mm	68				16106-16	mm	82
	 TORX® (T)				13134T(T)	TORX®	47	14134T(T)	TORX®	68				16107-22	mm	83
	 TORXplus® (IP)				13134T(IP)	TORXplus®	47	14134T(IP)	TORXplus®	68						
	 XZN (Triple Square)				13134X(XZN)	XZN	47	14134X(XZN)	XZN	68						
 Universal Joints	 Hexagon				13430M	mm	41									
	 Hexagon (Extension)				1317M	mm	43	1417M	mm	62						
 Adaptors	 Extension Bars	12760		33	13760		49	14760		70				16760		83
	 Universal Joints	12770		33	13770		50	14770		71	15770		75	16770		84
	 Adaptors				13771		50	14771		71				16771		84
 Locking Adaptors	 Adaptors	12233A		33	13772		50	14772		71				16644A		84
	 Locking Adaptors				13322A		50	14433A		72	15544A		75	16655A		84
					13344A		50	14455A		72	15566A		75	16688A		84
								14466A		72				16666AL		84
														16644AL		84
								14444AL		71	15555AL		75			
								14466AL		71						

Impact Sockets		Square Drive							
		1"(25,4mm)SQ.		1,1/2"(38,1mm)SQ.		2,1/2"(63,5mm)SQ.		3,1/2"(88,9mm)SQ.	
		No.	Page	No.	Page	No.	Page	No.	Page
Standard Sockets	6-point	18400M mm 86	18400A inch 86	17400M mm 96	17400A inch 96	19400M mm 100	19400A inch 100	10400M mm 102	10400A inch 102
	6-point (Thin-walled)	18401M mm 87	18401A inch 87						
	6-point (with Magnet)								
	12-point	18405M mm 87	18405A inch 87	17405M mm 97	17405A inch 97				
	12-point (Thin-walled)								
	Surface	18410M mm 88							
	PATHFINDER®								
	TORX® (E)								
	TORX® (E) (with Magnet)								
	TORXplus® (EP)								
	LH-S								
	for Self Tapping Screws								
	for Self Tapping Screws (with Magnet)								
	Double Square								
	for Weld Nut								
Short Sockets	6-point (Thin-walled)								
Semi Deep Sockets	6-point (Thin-walled)	18301X mm 89							
	6-point (with Slide Magnet)								
Deep Sockets	6-point	18300M mm 88	18300A inch 88	17300M mm 97	17300A inch 97	19300M mm 101			
	6-point (Thin-walled)	18301M mm 89	18301A inch 89						
	6-point (with Slide Magnet)								
	12-point								
	12-point (Thin-walled)								
	Surface	18310M mm 89							
	PATHFINDER®								
Extension Sockets	6-point	18104M mm 91							
	6-point (with Magnet)								
	12-point								
Universal Sockets	6-point								
	6-point (Extension)								
	TORX® (E)								
Bit Sockets	Hexagon								
	TORX® (T)								
Bit Sockets (Bit changeable)	Hexagon	18106-16 mm 92	18107-22 mm 93	17108-32 mm 98					
	TORX® (T)	18108-32 mm 94							
	TORXplus® (IP)								
	XZN (Triple Square)								
Universal Bit Sockets	Hexagon								
	Hexagon (Extension)								
Extension Bars		18760 94	17760 99	19760 101					
Universal Joints		18770 95	17770 99	19770 101					
Adaptors		18866A 95	17788A 99	19977A 101	10099A 102				
		18877A 95	17799A 99						
Locking Adaptors		18888AL 95							

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/4"

BITS, NUT SETTERS AND ADAPTORS

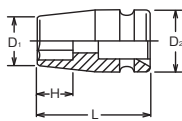
IMPACT SOCKETS

## 12400M / 12400A

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



FLAT DRIVE®



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

\*1 Pin/O-Ring=A21/B21 → P111

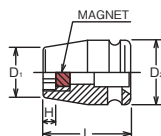
12400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	7.5	13	4	23	14	10	*1
4.5	8.1	13	4	23	14	10	*1
5	8.8	13	4	23	14	10	*1
5.5	9.4	13	4	23	14	10	*1
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	14	10	*1
8	12.5	13	6	23	14	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	15	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1
14	20	13	9	23	20	10	*1

\*1 Pin/O-Ring=A21/B21 → P111

SLEEVE-DRIVE SOCKETS

## 12400MG / 12400AG

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



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

\*1 Pin/O-Ring=A21/B21 → P111

12400MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	7.5	13	2.1	23	12	10	*1
4.5	8.1	13	2.1	23	13	10	*1
5	8.8	13	2.1	23	15	10	*1
5.5	9.4	13	2.1	23	15	10	*1
6	10	13	2.4	23	16	10	*1
7	11.3	13	2.8	23	16	10	*1
8	12.5	13	3.5	23	17	10	*1
9	13.8	13	3.8	23	18	10	*1
10	15	13	4.2	23	18	10	*1
11	16.3	13	4.9	23	21	10	*1
12	17.5	13	5.6	25	21	10	*1
13	18.8	13	6	25	21	10	*1
14	20	13	6.4	25	20	10	*1

\*1 Pin/O-Ring=A21/B21 → P111

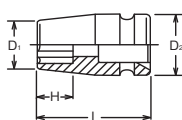
PROTECTOR

## 12410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



SURFACE DRIVE



12410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	15	10	*1
8	12.5	13	6	23	15	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	14	10	*1
11	16.3	13	8	23	17	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1

\*1 Pin/O-Ring=A21/B21 → P111

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## SURFACE DRIVE

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

Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminium Schrauben und Schrauben bei denen die Ecken bereits abgerundet sind.

Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduit l'usure et permet la transmission d'un couple plus élevé. C'est une solution idéale pour les écrous polies, celles en aluminium ou arrondies.



# 1/4"

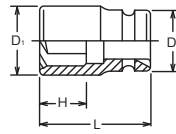
Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

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

\*1 Pin/O-Ring=A21/B21 → P111



**12465M** Pathfinder Sockets  
Pathfinder Steckschlüssel  
Douilles Pathfinder



## 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.

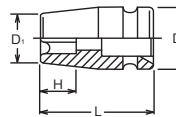
Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrspindelschrauber) ganz besonders auswirkt.

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 chaînes de montage automatiques.

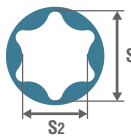
12425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

\*1 Pin/O-Ring=A21/B21 → P111

**12425** TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®



TORX® (E)



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

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

\*1 Pin/O-Ring=A21/B21 → P111

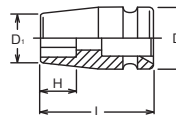
12460A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

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

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

\*1 Pin/O-Ring=A21/B21 → P111

**12460M / 12460A** For Self-Tapping Screws  
Für selbstschneidende Schrauben  
Pour vis auto-taraudeuses



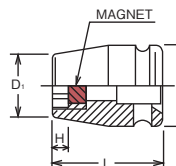
Socket for Self-Tapping Screws without infeed slope.

Steckschlüssel für selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

**12460MG / 12460AG**

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



Socket with Magnet for Self-Tapping Screws without infeed slope.

Steckschlüssel mit Magnet für Selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille avec aimant pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

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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.

Koken TOOL CO., LTD.

031

BITS, NUT SETTERS AND ADAPTORS  
IMPACT SOCKETS  
SLEEVE-DRIVE SOCKETS  
PROTECTOR  
INDUSTRIAL SOCKETS  
TOOLS FOR CONSTRUCTION SITES

# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

# 1/4"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

### 12300M

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



12300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
6	10	13	6	38	48	26	10	*1
7	11.3	13	7	38	48	30	10	*1
8	12.5	13	8	38	48	32	10	*1
10	15	13	10	37	48	34	10	*1
11	16.3	13	11	37	48	46	10	*1
12	17.5	13	12	37	48	49	10	*1
13	18.8	13	13	37	48	52	10	*1
14	20	13	14	36	48	57	10	*1

\*1 Pin/O-Ring=A21/B21 → P111

### 12365M

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

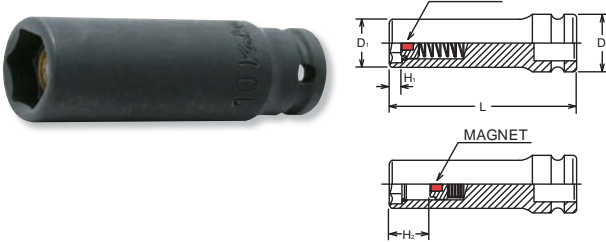


12365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

\*1 Pin/O-Ring=A21/B21 → P111

### 12300G

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



12300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

\*1 Pin/O-Ring=A21/B21 → P111

### 12139

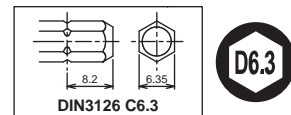
Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
12139-1/4	11	13	25	15	10	*1

\*1 Pin/O-Ring=A21/B21 → P111

For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



### 12140

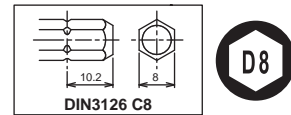
Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
12140-5/16	14	13	25	15	10	*1

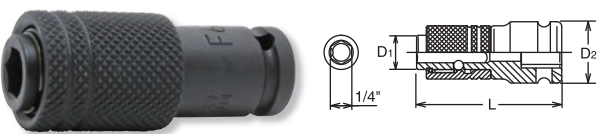
\*1 Pin/O-Ring=A21/B21 → P111

For DIN3126 C8 Bits  
Für DIN3126 C8 Bits  
Pour DIN3126 C8 Embouts



### 12142-F6.3

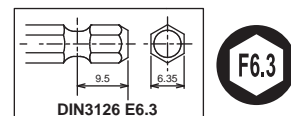
Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact



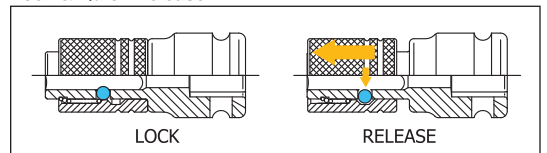
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
12142-F6.3	16.5	13	40	22	10	*1

\*1 Pin/O-Ring=A21/B21 → P111

For DIN3126 E6.3 Bits  
Für DIN3126 E6.3 Bits  
Pour DIN3126 E6.3 Embouts



#### Lock & Quick Release

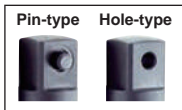


**⚠** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

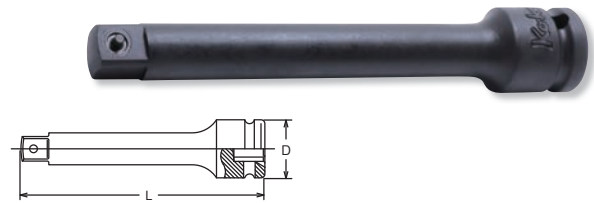
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
12760-55	Hole	13	55	26	10	*1
12760-75	Hole	13	75	45	10	*1
12760-100	Hole	13	100	50	10	*1
12760-150	Hole	13	150	60	10	*1

\*1 Pin/O-Ring=A21/B21 → P111



## 12760-P 12760

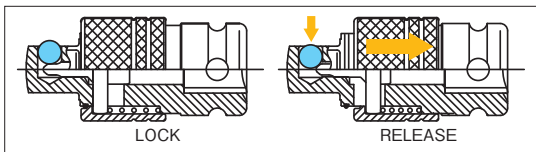
Extension Bars  
Verlängerungen  
Rallonges



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

\*1 Pin/O-Ring=A21/B21 → P111

### Lock & Quick Release



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



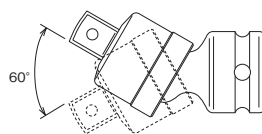
## 12222AL

Adaptor (Quick Release)  
Schnellwechsel-Verbindungsstück ⚠  
Adaptateur autoserrant



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

\*1 Pin/O-Ring=A21/B21 → P111



## 12770-P 12770

Universal Joint  
Gelenk-Einsatz  
Joint articulé



Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu'à un angle de 30° maximum.

	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=A21/B21 → P111

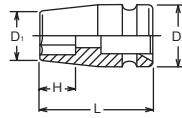
## 12233A-P 12233A

Adaptor  
Verbindungsstück  
Augmentateur



## 13400M / 13400A

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



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

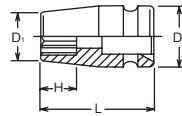
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

## 13405M / 13405A

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



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

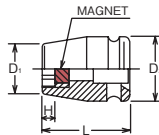
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

## 13400MG / 13400AG

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



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

# 3/8"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

RS13401M/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		505

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

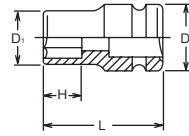
13401MS (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
11	16	18.5	10	22	24	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2
15	20.9	21.5	10	25	38	10	*2
16	22.3	21.5	10	25	39	10	*2
17	23.5	21.5	10	25	41	10	*2
18	24.8	21.5	10	25	43	10	*2
19	26	21.5	10	25	44	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

RS13401MS/11	11 Pieces Set/Rail 300mm	(g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		400

## 13401M / 13401A

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



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

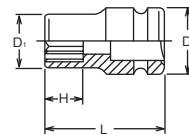
## RS13401M/9

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



## 13406M / 13406A

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

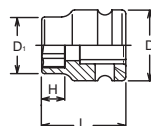


13406A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

## 13401MS

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



## RS13401MS/11

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



BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

# 3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

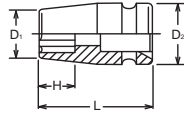
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

### 13410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive

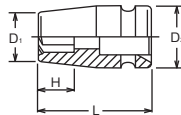


13410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	42	10	*1
12	18.3	19	9	32	50	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13465M

Pathfinder Sockets  
Pathfinder Steckschlüssel  
Douilles Pathfinder

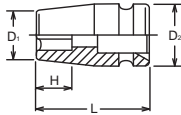


13465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13425

TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®

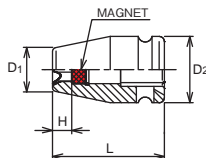


13425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
New E11	13.2	19	8.7	32	43	10	*1
New E12	14.2	19	9.3	32	43	10	*1
New E14	17.2	19	10.6	32	44	10	*1
New E16	18.2	19	11.8	32	42	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

### 13425EG

TORX® Sockets with Magnet  
TORX® Steckschlüssel mit Magnet  
Douilles TORX® avec aimant

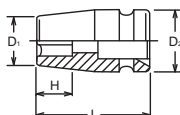


13425EG (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New E 8	11.7	19	5	32	54	10	*1
New E10	12.2	19	5.5	32	52	10	*1
New E12	14.2	19	6.5	32	53	10	*1
New E14	17.2	19	7	32	54	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

### 13425-EPL

TORXPLUS® Sockets  
TORXPLUS® Steckschlüssel  
Douilles TORXPLUS®



13425 (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8EPL	12	19	5.2	32	44	10	*1
10EPL	13.3	19	6.2	32	44	10	*1
New 12EPL	15.8	19	7.2	32	44	10	*1
New 14EPL	18.3	19	8.1	32	46	10	*1
New 16EPL	19.5	19	9.2	32	41	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

# 3/8"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

13460M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
12	19	19.2	9	32	48	10	*2
13	20.3	22	10	32	60	10	*2

13460A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	5	32	43	10	*1
3/8	16.6	19	7	32	45	10	*1
1/2	20.3	22	10	32	60	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

13460MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	2.4	32	44	10	*1
7	12.8	19	2.8	32	46	10	*1
8	14.1	19	3.5	32	48	10	*1
10	16.6	19	4.2	33	54	10	*1
13	20.3	22	6	34	81	10	*2

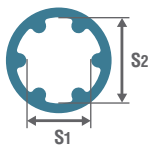
13460AG (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### LHSTIX®

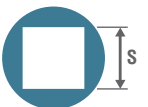


LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S <sub>1</sub>	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S <sub>2</sub>	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

13400-WN	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6WN	15.8	19	6	32	48	10	*1
8WN	18.3	19	8	32	48	10	*1
9WN	19.5	22	9	32	47	10	*2
10WN	20.8	22	10	32	65	10	*2
12WN	24.5	22	12	32	73	10	*2
14WN	27	22	14	32	79	10	*2
17WN	32	22	17	35	110	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

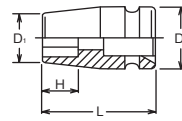
### WN



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

## 13460M / 13460A

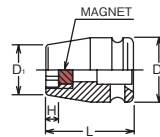
For Self-Tapping Screws  
Für selbstschneidende Schrauben  
Pour vis auto-taraudeuses



Socket for Self-Tapping Screws without infeed slope.  
Steckschlüssel für selbstschneidende Schrauben 6-kant ohne Einlaufschräge.  
Douille pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

## 13460MG / 13460AG

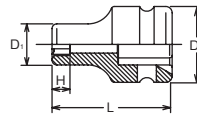
Sockets with magnets for Self-Tapping Screws  
Steckschlüssel mit Magnet für selbstschneidende Schrauben  
Douilles avec aimant pour vis auto-taraudeuses



Socket with Magnet for Self-Tapping Screws without infeed slope.  
Steckschlüssel mit Magnet für Selbstschneidende Schrauben 6-kant ohne Einlaufschräge.  
Douille avec aimant pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

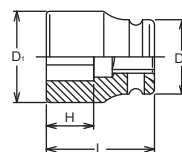
## 13401LH

LHS Sockets  
Steckschlüssel mit LHS Profil  
Douilles au profil LHS



## 13400-WN

Weld Nut Sockets  
Steckschlüssel für Schweissmuttern  
Douilles pour écrou à souder



# Impact Sockets

## Impact Steckschlüssel 3/8"

### Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

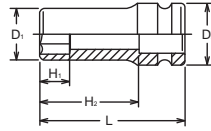
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

### 13301X

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



13301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
7	11	18.5	7	36.5	50	40	10	*1
8	12.3	18.5	8	36.5	50	40	10	*1
10	14.8	18.5	10	36.5	50	46	10	*1
11	16	18.5	11	36.5	50	49	10	*1
12	17.3	18.5	12	36.5	50	53	10	*1
13	18.5	21.5	13	36.5	50	67	10	*2
14	19.8	21.5	14	36.5	50	70	10	*2
15	21	21.5	15	35.5	50	75	10	*2
16	22.3	21.5	16	35.5	50	78	10	*2
17	23.5	21.5	17	35.5	50	82	10	*2
18	24.8	21.5	18	34.5	50	86	10	*2
19	26	21.5	19	34.5	50	93	10	*2
21	28.5	21.5	21	34.5	50	104	10	*2
22	29.8	21.5	22	33.5	50	110	10	*2
23	31	21.5	23	33.5	50	115	10	*2
24	32.3	21.5	24	32.5	50	120	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### RS13301X/9

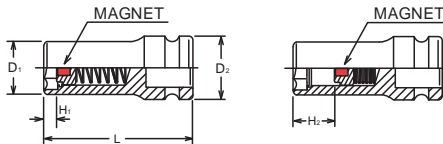
Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



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

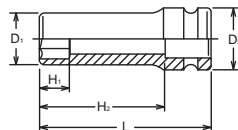


13300XG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
7	12	19	3.5	19	50	52	10	*1
8	13.3	19	4	20.5	50	40	10	*1
10	15.8	19	4.5	20	50	46	10	*1
11	17	19	5	20	50	50	10	*1
12	18.3	19	6	20	50	55	10	*1
13	19.5	22	6.5	19	50	70	10	*2
14	20.8	22	7	18	50	75	10	*2
15	21.9	22	7	18	50	85	10	*2
16	23.2	22	7.5	20	50	114	10	*2
17	24.4	22	8	20	50	126	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13300M / 13300A

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



13300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	66.5	80	77	10	*1
7	12	19	7	66.5	80	82	10	*1
8	13.3	19	8	66.5	80	82	10	*1
9	14.5	19	9	66.5	80	88	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
15	22	22	15	65.5	80	157	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	192	10	*2
20	28.3	22	20	64.5	80	224	10	*2
21	29.5	22	21	64.5	80	226	10	*2
22	30.8	22	22	63.5	80	231	10	*2
24	33.2	22	24	63.5	80	242	10	*2

13300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	24.5	22	17	65.5	80	168	10	*2
3/4	27	22	19	64.5	80	192	10	*2
13/16	29.5	22	21	64.5	80	226	10	*2
7/8	30.8	22	22	63.5	80	231	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32



13301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
6	10	18.5	6	66.5	80	65	10	*1
7	11	18.5	7	66.5	80	66	10	*1
8	12.3	18.5	8	66.5	80	68	10	*1
9	13.5	18.5	9	66.5	80	70	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
15	21	21.5	15	65.5	80	120	10	*2
16	22.3	21.5	16	65.5	80	130	10	*2
17	23.5	21.5	17	65.5	80	136	10	*2
18	24.8	21.5	18	64.5	80	145	10	*2
19	26	21.5	19	64.5	80	155	10	*2
20	27.3	21.5	20	64.5	80	170	10	*2
21	28.5	21.5	21	64.5	80	181	10	*2
22	29.8	21.5	22	63.5	80	190	10	*2
24	32.3	21.5	24	63.5	80	216	10	*2

13301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
1/4	10	18.5	6	66.5	80	65	10	*1
5/16	12.3	18.5	8	66.5	80	68	10	*1
3/8	14.8	18.5	10	66.5	80	72	10	*1
7/16	16	18.5	11	66.5	80	80	10	*1
1/2	18.5	21.5	13	66.5	80	100	10	*2
9/16	19.8	21.5	14	66.5	80	110	10	*2
5/8	22.3	21.5	16	65.5	80	130	10	*2
11/16	23.5	21.5	17	65.5	80	136	10	*2
3/4	26	21.5	19	64.5	80	155	10	*2
13/16	28.5	21.5	21	64.5	80	181	10	*2
7/8	29.8	21.5	22	63.5	80	190	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

13305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	66.5	80	82	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
17	24.5	22	17	65.5	80	168	10	*2

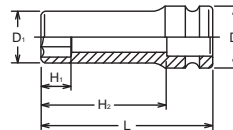
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

13306M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	8	66.5	80	68	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
17	23.5	21.5	17	66.5	80	136	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

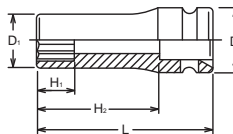
## 13301M / 13301A

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



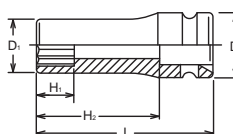
## 13305M

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



## 13306M

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



# Impact Sockets

## Impact Steckschlüssel 3/8"

### Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

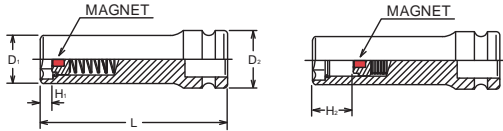
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

### 13300G

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

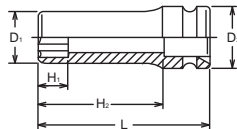


13300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
16	23.3	22	8	27	80	210	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13310M

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

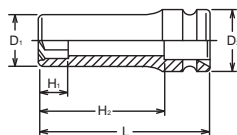


13310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	190	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13365M

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

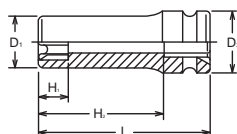


13365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32

### 13325

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



13325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	80	10	*1
E10	12.2	19	8.2	66.5	80	85	10	*1
E12	14.2	19	9.3	66.5	80	90	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	110	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

13440M (mm)	D (mm)	H (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)	H (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=C32, Pin/O-Ring=A32/B32 → P110-111

13440T (E)	D (mm)	H (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=C32, Pin/O-Ring=A32/B32 → P110-111

13430M (mm)	D (mm)	H (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=C32, Pin/O-Ring=A32/B32 → P110-111

13103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5(0.8)	9.5	19	8	32	39	10	*1
6(1.0)	10.8	19	9	32	41	10	*1
7(1.0)	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=C31, Pin/O-Ring=A31/B31 → P110-111

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

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.

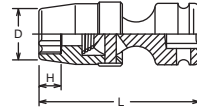
Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf die Stahlkugel, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

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

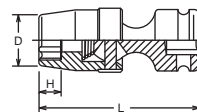
### 13440M / 13440A

○ Universal Sockets  
Gelenk-Einsätze  
Douilles universelles



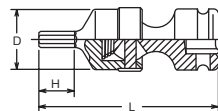
### 13440T

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



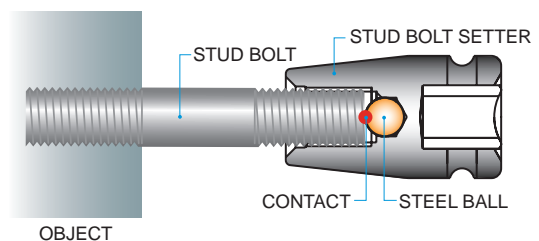
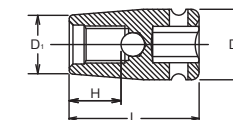
### 13430M

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



### 13103M

○ Impact Stud Bolt Setters  
Impact Stehbolzensetzer  
Monte-goujons Impact ⚠



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

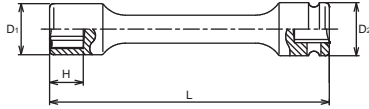
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

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

Extra Long Sockets  
Schafsteckschlüssel  
Douilles, série allongée

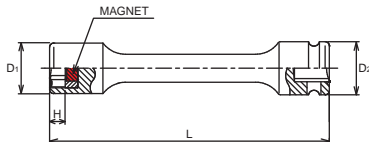


13145M-100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	13.3	19	8	100	90	1	*1
10	15.8	19	10	100	92	1	*1
12	18.3	19	12	100	100	1	*1
13	19.5	19	13	100	108	1	*1
14	20.8	19	14	100	112	1	*1
17	24.5	19	17	100	140	1	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

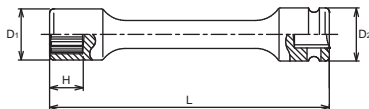
## 13145MG-100 / -150 / -200

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



## 13145M-100 (12P) / -150 (12P) / -200 (12P)

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



13145M-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	150	105	1	*1
8	13.3	19	8	150	110	1	*1
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1
13	19.5	19	13	150	137	1	*1
14	20.8	19	14	150	146	1	*1
15	22	19	15	150	155	1	*1
17	24.5	19	17	150	163	1	*1

13145M-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	200	136	1	*1
8	13.3	19	8	200	141	1	*1
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1
13	19.5	19	13	200	168	1	*1
14	20.8	19	14	200	177	1	*1
15	22	19	15	200	186	1	*1
17	24.5	19	17	200	194	1	*1

13145M-250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	10.8	19	6	250	167	1	*1
8	13.3	19	8	250	172	1	*1
10	15.8	19	10	250	182	1	*1
12	18.3	19	12	250	190	1	*1
13	19.5	19	13	250	199	1	*1
14	20.8	19	14	250	208	1	*1
15	22	19	15	250	217	1	*1
17	24.5	19	17	250	225	1	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

13145MG-100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	13.3	19	3.5	100	90	1	*1
10	15.8	19	4.2	100	93	1	*1
12	18.3	19	5.6	100	105	1	*1
13	19.5	19	6	100	115	1	*1
14	20.8	19	6.4	100	120	1	*1

13145MG-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	4.2	150	125	1	*1
12	18.3	19	5.6	150	136	1	*1
13	19.5	19	6	150	145	1	*1
14	20.8	19	6.4	150	150	1	*1

13145MG-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	4.2	200	182	1	*1
12	18.3	19	5.6	200	190	1	*1
13	19.5	19	6	200	208	1	*1
14	20.8	19	6.4	200	225	1	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

13145M-100 (12P) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	100	91	1	*1
12	18.3	19	12	100	100	1	*1

13145M-150 (12P) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1

13145M-200 (12P) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1

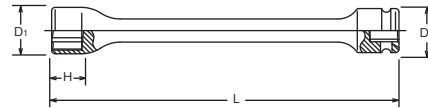
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

13145A-150 (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
9/16(D20)	20	19	13	150	130	1	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

## 13145A-150

Extra Long Socket  
Schaftsteckschlüssel  
Douilles, série allongée



13146M-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	12	19	6	150	128	1	*1
10	14.3	19	7	150	131	1	*1
12	18	19	8	150	133	1	*1
13	19.3	19	8.5	150	132	1	*1
14	20	19	9	150	132	1	*1

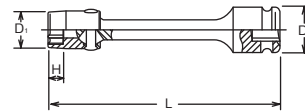
13146M-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
8	12	19	6	200	159	1	*1
10	14.3	19	7	200	162	1	*1
12	18	19	8	200	164	1	*1
13	19.3	19	8.5	200	163	1	*1
14	20	19	9	200	163	1	*1

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

## 13146M-150/-200/-250

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



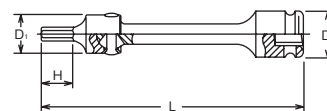
13147M-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
4	21	19	15	150	125	1	*1
5	21	19	15	150	128	1	*1
6	21	19	15	150	132	1	*1
8	21	19	15	150	136	1	*1
10	21	19	15	150	140	1	*1

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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

## 13147M-150/-200

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

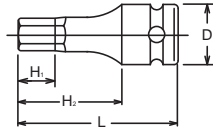


# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

BITS, NUT SETTERS AND ADAPTORS

## 13012M-52 Inhex Sockets Steckschlüssel für Innensechskant-Schrauben Douilles tournevis pour vis 6-pans creux



13012M-52 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
3	18	10	34	52	33	10	*1
4	18	15.5	34	52	35	10	*1
5	18	15.5	34	52	35	10	*1
6	18	15.5	34	52	39	10	*1
7	18	15.5	34	52	44	10	*1
8	21	15.5	34	52	60	10	*2
10	21	15.5	34	52	70	10	*2
12	21	15.5	34	52	79	10	*2
14	21	15.5	34	52	92	10	*2

\*1 C-Ring=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 [P110-111](#)

IMPACT SOCKETS

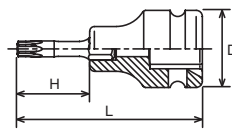
## RS13012M/8-L52 Socket Set on Rail Steckschlüsselsatz auf Schiene Jeu de douilles sur rail



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

SLEEVE-DRIVE SOCKETS

## 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=C31, Pin/O-Ring=A31/B31  
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 [P110-111](#)

PROTECTOR

## 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

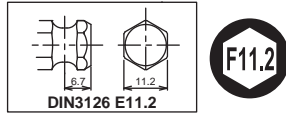
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>13134</b>	24	22	32	70	10	*2

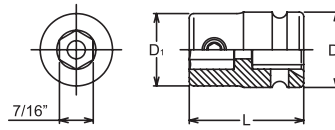
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts



## 13134

Impact Bit Holder  
Impact Klingenhalter  
Porte embouts Impact

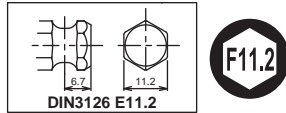


**13134-SC**  
Replacement Screw : M8x6, ● 4mm  
Ersatzschraube : M8x6, ● 4mm  
Vis de remplacement : M8x6, ● 4mm

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>13142-F11.2</b>	18.9	22	46	116	10	*2

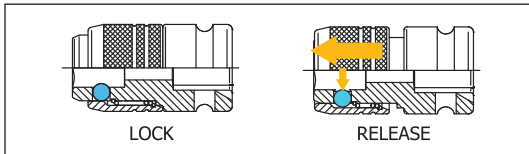
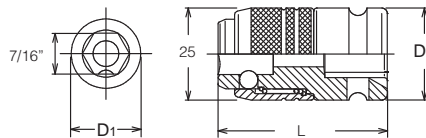
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts



## 13142-F11.2

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

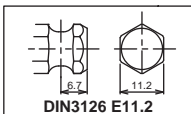
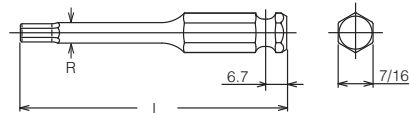


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

## 183H-35 / -75 / -150

Hex Bits  
Sechskant Bits  
Embouts, 6 pans creux



183H-35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

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

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

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

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

# 3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

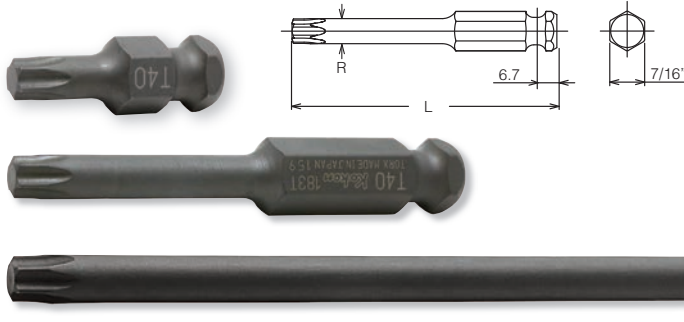
PROTECTOR

INDUSTRIAL SOCKETS

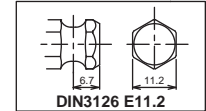
TOOLS FOR CONSTRUCTION SITES

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

 TORX® Bits  
TORX® Bits  
Embouts, TORX®



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



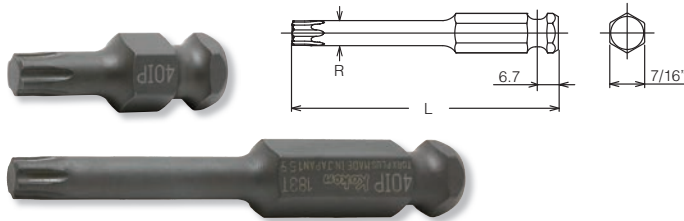
183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10

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

## 183T-35 / -75 (IP)

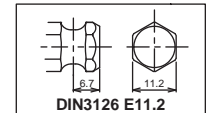
 TORXPLUS® Bits  
TORXPLUS® Bits  
Embouts TORXPLUS®

**TORXplus®**



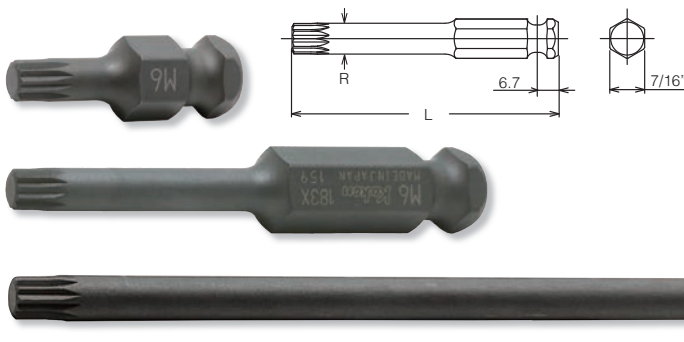
183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

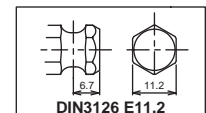


## 183X-35 / -75 / -150 (XZN)

 XZN Bits  
XZN Bits  
Embouts, XZN





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



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

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

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



13134M-52 (mm)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	22	20	52	6	85	10	*2
4	22	20	52	6	85	10	*2
5	22	20	52	6.5	85	10	*2
6	22	20	52	7.5	88	10	*2
8	22	20	52	9.5	90	10	*2
10	22	20	52	-	96	10	*2
12	22	20	52	-	100	10	*2
14	22	20	52	-	105	10	*2

13134M-92 (mm)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	22	60	92	6	104	10	*2
4	22	60	92	6	105	10	*2
5	22	60	92	6.5	106	10	*2
6	22	60	92	7.5	109	10	*2
8	22	60	92	9.5	117	10	*2
10	22	60	92	-	127	10	*2
12	22	60	92	-	135	10	*2
14	22	60	92	-	149	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

13134T-52 (T)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
T30	22	20	52	6	88	10	*2
T40	22	20	52	6.9	90	10	*2
T45	22	20	52	8	92	10	*2
T50	22	20	52	9	96	10	*2
T55	22	20	52	11.4	100	10	*2
T60	22	20	52	13.5	108	10	*2

13134T-92 (T)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
T30	22	60	92	6	105	10	*2
T40	22	60	92	6.9	107	10	*2
T45	22	60	92	8	111	10	*2
T50	22	60	92	9	115	10	*2
T55	22	60	92	11.4	125	10	*2
T60	22	60	92	13.5	137	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

13134T-52 (IP)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
30IP	22	20	52	6	88	10	*2
40IP	22	20	52	6.9	90	10	*2
45IP	22	20	52	8	92	10	*2
50IP	22	20	52	9	96	10	*2
55IP	22	20	52	11.4	100	10	*2
60IP	22	20	52	13.5	108	10	*2

13134T-92 (IP)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
30IP	22	60	92	6	105	10	*2
40IP	22	60	92	6.8	107	10	*2
45IP	22	60	92	8	111	10	*2
50IP	22	60	92	9	115	10	*2
55IP	22	60	92	11.4	126	10	*2
60IP	22	60	92	13.5	139	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

13134X-52 (XZN)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
M 5	22	20	52	6	88	10	*2
M 6	22	20	52	6.2	90	10	*2
M 8	22	20	52	7.4	92	10	*2
M10	22	20	52	9.8	96	10	*2
M12	22	20	52	11.7	100	10	*2
M14	22	20	52	13.5	108	10	*2

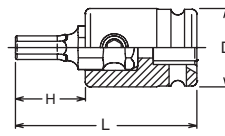
13134X-92 (XZN)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
M 5	22	60	92	6	104	10	*2
M 6	22	60	92	6.2	106	10	*2
M 8	22	60	92	7.4	109	10	*2
M10	22	60	92	9.8	124	10	*2
M12	22	60	92	11.7	129	10	*2
M14	22	60	92	13.5	139	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

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

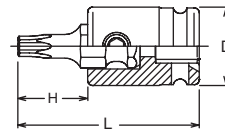
## 13134M-52 / -92

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



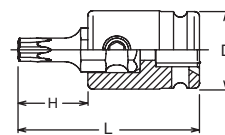
## 13134T-52 / -92 (T)

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



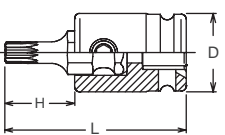
## 13134T-52 / -92 (IP)

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



## 13134X-52 / -92 (XZN)

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



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

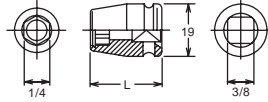
SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

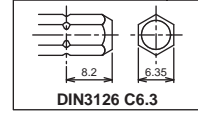
## 13139 Bit Holder Klingenhalter Porte-embout



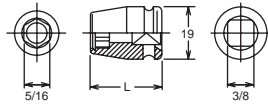
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	 (g)	 (pcs.)	
<b>13139-1/4</b>	11	19	30	32	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



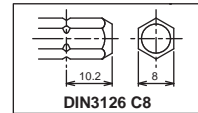
## 13140 Bit Holder Klingenhalter Porte-embout



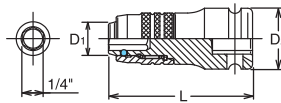
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	 (g)	 (pcs.)	
<b>13140-5/16</b>	14	19	30	32	10	*1




\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

For DIN3126 C8 Bits  
Für DIN3126 C8 Bits  
Pour DIN3126 C8 Embouts



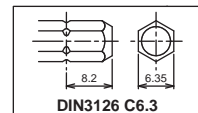
## 13142-D6.3 Impact Bit Holder (Quick Release) Impact Kingenhalter (Schnellwechselfutter) Porte embout Impact (mandrin autoserrant)




	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	 (g)	 (pcs.)	
<b>13142-D6.3</b>	16	19	45	60	10	*1

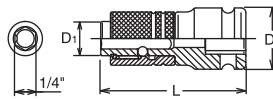
\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111



For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



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

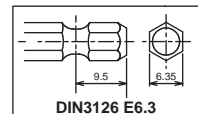
## 13142-F6.3 Impact Bit Holder (Quick Release) Impact Kingenhalter (Schnellwechselfutter) Porte embout Impact (mandrin autoserrant)



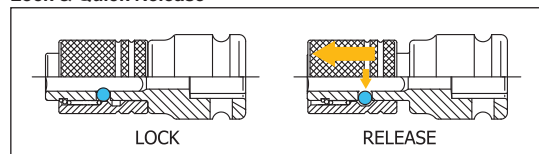
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	 (g)	 (pcs.)	
<b>13142-F6.3</b>	16.5	19	45	60	10	*1


\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

For DIN3126 E6.3 Bits  
Für DIN3126 E6.3 Bits  
Pour DIN3126 E6.3 Embouts



### Lock & Quick Release

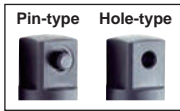


 You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

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

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

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111



## 13760-P 13760

Extension Bars  
Verlängerungen  
Rallonges



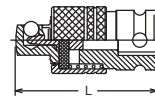
	L (mm)	(g)	(pcs.)	
13333AL	45	62	10	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

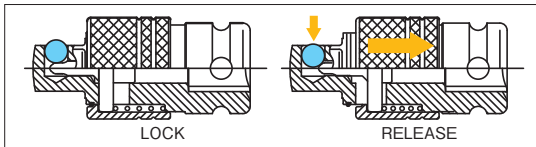


## 13333AL

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



### Lock & Quick Release



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



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

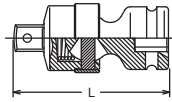
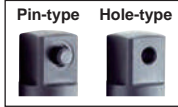
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

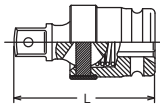
## 13770-P 13770

Universal Joint  
Gelenk-Einsatz  
Joint articulé



## 13771-P 13771

Universal Joint  
Gelenk-Einsatz  
Joint articulé



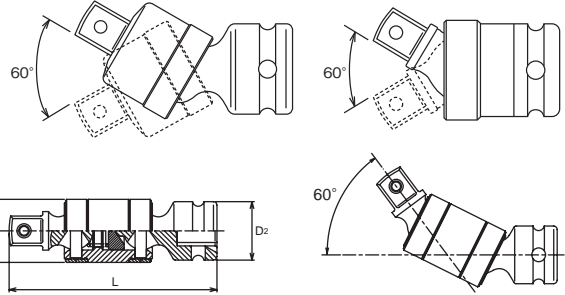
	TYPE	L (mm)	(g)	(pcs.)	(V)
13770-P	Pin	56	110	10	*2
13770	Hole	56	110	10	*2
13771-P	Pin	48	92	10	*2
13771	Hole	48	92	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu'à un angle de 30° maximum.



## 13772-P / 13772-B

Universal Double Joint  
Doppelgelenk-Einsatz  
Joint articulé double



	TYPE	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	(V)
13772-P	Pin	22	19	75	120	5	*1
13772-B	Ball	22	19	75	120	5	*1

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

Make sure sockets hold bolts or nuts before operation.

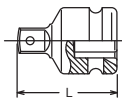
Vergewissern Sie sich vor dem Gebrauch, dass der Steckschlüssel die Schraube sicher umfasst hat.

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

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

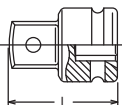
## 13322A-P 13322A

Adaptor  
Verbindungsstück  
Réducteur



## 13344A-P 13344A

Adaptor  
Verbindungsstück  
Augmentateur



## 13241M



Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles



## 13242M



Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles



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

\*1 C-Ring=C31, Pin/O-Ring=A31/B31 → P110-111

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.)	(V)
13344A-P	Pin	3/8"	1/2"	32.5	53	10	*2
13344A	Hole	3/8"	1/2"	32.5	53	10	*2

\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

13241M 11 Pieces Set/⚖️=850g  
METAL CASE:W240xH30xT35mm

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

13242M 11 Pieces Set/⚖️=1,140g  
METAL CASE:W310xH90xT48mm

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

# 1/2"

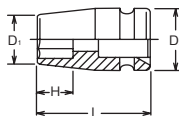
Impact Sockets  
Impact Steckschlüssel  
Douilles Impact



FLAT DRIVE®

## 14400M / 14400A

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



14400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	85	10	*1
12	19.5	25	9	38	85	10	*1
13	20.7	25	10	38	85	10	*1
14	22	25	10	38	85	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	130	10	*2
17	25.7	30	12	38	130	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	135	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
33	45.7	30	19	46	260	5	*2
34	47	30	19	46	263	5	*2
35	48.2	30	19	46	275	5	*2
36	49.5	30	20	46	285	5	*2
38	52	30	20	53	360	5	*2
41	55.7	30	21	55	411	2	*2

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

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

→ P110-111

14400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
19/32	23.2	30	11	38	130	10	*2
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

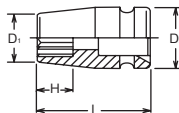
\*1 C-Ring=C41, Pin/O-Ring=A41/B41

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

→ P110-111

## 14405M / 14405A

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



14405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	84	10	*1
12	19.5	25	9	38	84	10	*1
13	20.7	25	10	38	84	10	*1
14	22	25	10	38	84	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	127	10	*2
17	25.7	30	12	38	128	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	132	10	*2
24	34.5	30	14	38	133	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	157	10	*2
28	39.5	30	16	40	170	10	*2
30	42	30	17	42	190	10	*2
32	44.5	30	18	42	216	10	*2
36	49.5	30	20	46	285	5	*2
41	55.7	30	21	55	411	2	*2

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

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

→ P110-111

14405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

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

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

→ P110-111

## RS14405M/11

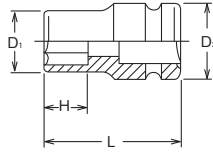
Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail

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



14401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42



14401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
35	46.7	29	19	46	250	5	*2
36	48	29	20	46	264	5	*2
38	50.5	29	20	53	316	5	*2
41	54.2	29	21	55	374	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42



## RS14401M/10

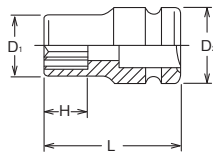
Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



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



14406A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42



14406M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42



14401MS (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 10	15.5	24	4.5	23	41	10	*1
New 12	18	24	5.5	24	42	10	*1
New 13	19.2	24	6.5	25	43	10	*1
New 14	20.5	24	6.5	25	43	10	*1
New 15	21.7	29	7.5	26	70	10	*2
New 16	23	29	7.5	26	73	10	*2
New 17	24.2	29	7.5	26	76	10	*2
New 18	25.5	29	7.5	26	78	10	*2
New 19	26.7	29	9.5	28	79	10	*2
New 21	29.2	29	10	28.5	79	10	*2
New 22	30.5	29	10	28.5	84	10	*2
New 24	33	29	10	28.5	87	10	*2
New 27	36.7	29	10	28.5	100	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

RS14401MS/9	9 Pieces Set/Rail 300mm	(g)
New	10, 12, 13, 14, 15, 16, 17, 18, 19	610
RS14401MS/10	10 Pieces Set/Rail 300mm	(g)
	10, 12, 13, 14, 17, 19, 21, 22, 24, 27	740

14400MG (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	8	38	165	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

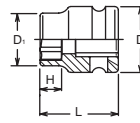
14410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	38	100	10	*1
11	18.2	25	8	38	103	10	*1
12	19.5	25	9	38	110	10	*1
13	20.7	25	10	38	113	10	*1
14	22	25	10	38	115	10	*1
15	23.2	30	11	38	120	10	*2
16	24.5	30	11	38	120	10	*2
17	25.7	30	12	38	126	10	*2
18	27	30	13	38	121	10	*2
19	28.2	30	13	38	124	10	*2
20	29.5	30	13	38	123	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
New 23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	134	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
34	47	30	19	46	263	5	*2
36	49.5	30	20	46	285	5	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42



## 14401MS

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



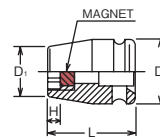
## RS14401MS/9 RS14401MS/10

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



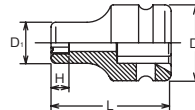
## 14400MG

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



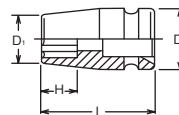
## 14401LH

LHS Sockets  
Steckschlüssel mit LHS Profil  
Douilles au profil LHS



## 14410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



## SURFACE DRIVE

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

Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminium Schrauben und Schrauben bei denen die Ecken bereits abgerundet sind.

Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduit l'usure et permet la transmission d'un couple plus élevé. C'est une solution idéale pour les écrous polies, celles en aluminium ou arrondies.

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

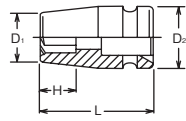
SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## 14465M Pathfinder Sockets Pathfinder Steckschlüssel Douilles Pathfinder



## 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 (Mehrschraubmaschinen) 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 chaînes de montage automatiques.

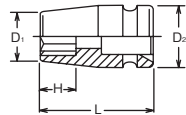
14465M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

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

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

➔ P110-111

## 14415M Double 4-point Socket Doppelvierkant Steckschlüssel Douilles 4-pans, doubles

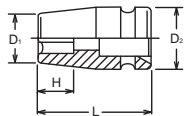


14415M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	25.7	30	10	38	138	10	*2
15	27	30	11	38	145	10	*2
16	29.5	30	11	38	150	10	*2
17	30.7	30	12	38	155	10	*2
18	32	30	13	38	165	10	*2
19	33.2	30	14	38	170	10	*2
22	38.2	30	14	40	185	10	*2
24	42	30	14	42	215	10	*2
27	45.7	30	16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

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

➔ P110-111

## 14425 TORX® Sockets TORX® Steckschlüssel Douilles TORX®



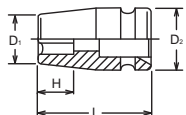
14425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	40	89	10	*1
E20	24.2	30	14.4	40	134	10	*2
E22	26.2	30	15.5	40	140	10	*2
E24	28.2	30	17	42	138	10	*2

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

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

➔ P110-111

## 14425-EPL TORXPLUS® Sockets TORXPLUS® Steckschlüssel Douilles TORXPLUS®



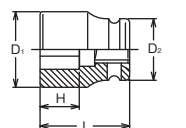
14425 (EPL)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10EPL	14.5	25	6.2	38	86	10	*1
12EPL	17	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	20.7	25	9.1	38	88	10	*1
18EPL	22	25	10.2	38	90	10	*1
20EPL	24.5	30	11.2	38	135	10	*2

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

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

➔ P110-111

## 14400-WN Weld Nut Sockets Steckschlüssel für Schweißmutter Douille pour écrou à souder



14400-WN	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8WN	18.3	25	8	38	93	10	*1
9WN	19.5	25	9	38	93	10	*1
10WN	20.8	25	10	38	92	10	*1
12WN	24.5	30	12	38	139	10	*2
14WN	27	30	14	38	136	10	*2
17WN	32	30	17	40	150	10	*2

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

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

➔ P110-111



# 1/2"

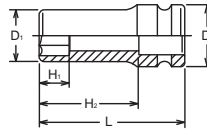
Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

14301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	42	60	72	10	*1
9	14.2	24	9	42	60	75	10	*1
10	15.5	24	10	42	60	79	10	*1
11	16.7	24	11	42	60	82	10	*1
12	18	24	12	42	60	88	10	*1
13	19.2	24	13	42	60	92	10	*1
14	20.5	24	14	42	60	97	10	*1
15	21.7	29	15	42	60	125	10	*2
16	23	29	16	42	60	135	10	*2
17	24.2	29	17	42	60	142	10	*2
18	25.5	29	18	42	60	148	10	*2
19	26.7	29	19	41	60	151	10	*2
21	29.2	29	21	41	60	170	10	*2
22	30.5	29	22	45	65	187	10	*2
23	31.7	29	23	45	65	192	10	*2
24	33	29	24	45	65	202	10	*2
25	34.2	29	25	44	65	210	10	*2
26	35.5	29	26	44	65	218	10	*2
27	36.7	29	27	44	65	231	10	*2
30	40.5	29	30	44	65	268	10	*2
32	43	29	32	44	65	296	10	*2
33	44.2	29	33	44	65	318	2	*2
34	45.5	29	34	44	65	330	2	*2
36	48	29	36	44	65	350	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P110-111

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

**14301X** 6-point Semi-Deep Socket, Thin Walled  
6-kant Steckschlüssel mittel lang, dünnwandig  
Douilles à paroi mince semi-longues, 6-pans



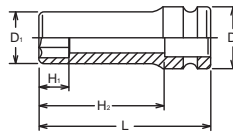
**RS14301X/10** Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



**14300M / 14300A** 6-point Deep Sockets  
6-kant-Steckschlüssel lang  
Douilles longues 6-pans

14300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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
38	52	30	38	60	85	655	2	*2
41	55.7	30	38	60	85	690	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P110-111



14300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	259	10	*2
13/16	30.7	30	21	61	80	265	10	*2
7/8	32	30	22	65	85	290	10	*2
15/16	34.5	30	24	65	85	329	10	*2
1	35.7	30	25	65	85	345	10	*2
1. 1/16	38.2	30	27	64	85	385	10	*2
1. 1/8	40.7	30	29	63	85	416	10	*2
1. 3/16	42	30	30	63	85	457	10	*2
1. 1/4	44.5	30	32	63	85	542	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P110-111

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

# Impact Sockets

## Impact Steckschlüssel 1/2"

### Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

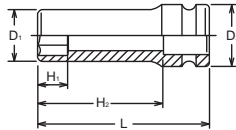
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

### 14301M / 14301A

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

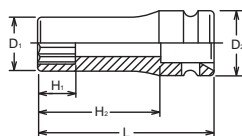


14301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
3/8	15.5	24	10	62	80	98	10	*1
7/16	16.7	24	11	62	80	104	10	*1
1/2	19.2	24	13	62	80	120	10	*1
9/16	20.5	24	14	62	80	127	10	*1
5/8	23	29	16	62	80	173	10	*2
11/16	24.2	29	17	62	80	182	10	*2
3/4	26.7	29	19	61	80	197	10	*2
13/16	29.2	29	21	61	80	218	10	*2
7/8	30.5	29	22	65	85	244	10	*2
15/16	33	29	24	65	85	261	10	*2
1. 1/16	36.7	29	27	64	85	314	10	*2
1. 1/8	39.2	29	29	63	85	349	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

### 14305M

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



14301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	87	10	*1
9	14.2	24	9	62	80	92	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
20	28	29	20	61	80	203	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
23	31.7	29	23	65	85	253	10	*2
24	33	29	24	65	85	261	10	*2
25	34.2	29	25	65	85	282	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
28	38	29	29	64	85	273	10	*2
29	39.2	29	29	63	85	280	10	*2
30	40.5	29	30	63	85	360	10	*2
31	41.7	29	31	63	85	370	10	*2
32	43	29	32	63	85	380	10	*2
34	45.5	29	34	62	85	411	2	*2
35	46.7	29	35	62	85	450	2	*2
36	48	29	36	61	85	460	2	*2
38	50.5	29	38	61	85	508	2	*2
41	54.2	29	38	60	85	552	2	*2

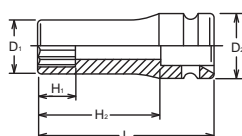
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

14305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	259	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	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
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
36	49.5	30	36	61	85	635	2	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

### 14306M

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



14306M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	88	10	*1
10	15.5	24	10	62	80	98	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
27	36.7	29	27	64	85	314	10	*2
30	40.5	29	30	63	85	360	10	*2
32	43	29	32	63	85	380	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

14310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

14365M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	62	80	138	10	*1
11	18.2	25	8	62	80	144	10	*1
12	19.5	25	9	62	80	165	10	*1
13	20.7	25	9	62	80	170	10	*1
14	22	25	11	62	80	178	10	*1
15	23.2	30	11	62	80	237	10	*2
16	24.5	30	11	62	80	245	10	*2
17	25.7	30	12	62	80	263	10	*2
18	27	30	13	62	80	268	10	*2
19	28.2	30	13	61	80	270	10	*2
20	29.5	30	14	61	80	274	10	*2
21	30.7	30	14	61	80	287	10	*2
22	32	30	15	65	85	314	10	*2
23	33.2	30	15	65	85	320	10	*2
24	34.5	30	15	65	85	335	10	*2
26	37	30	15	64	85	388	10	*2
27	38.2	30	16	64	85	407	10	*2

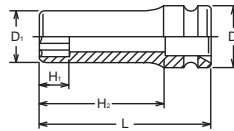
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

14325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	62	80	136	10	*1
E12	15.2	25	9.3	62	80	141	10	*1
E14	18.2	25	10.6	62	80	147	10	*1
E16	19.2	25	11.8	62	80	151	10	*1
E18	22.2	25	13	62	80	218	10	*1
E20	24.2	30	14.4	62	80	225	10	*2

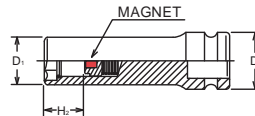
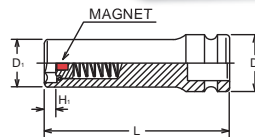
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42



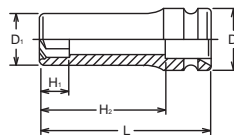
**14310M** Surface Drive Sockets, deep  
Surface Drive Steckschlüssel, lang  
Douilles longues, Surface Drive



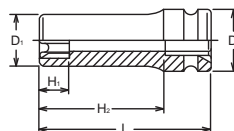
**14300G** Impact Socket with Sliding Magnet  
Impact Steckschlüssel mit versenkbarem Magnet  
Douilles Impact avec aimant, glissant pour écrous



**14365M** Pathfinder Sockets, deep  
Pathfinder Steckschlüssel, lang  
Douilles longues, Pathfinder



**14325** TORX® Deep Sockets  
TORX® Steckschlüssel, lang  
Douilles longues TORX®



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

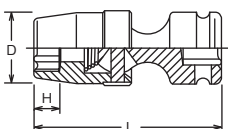
SLEEVE-DRIVE SOCKETS


PROTECTOR




INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## 14440M / 14440A Universal Sockets Gelenk-Einsätze Douilles universelles

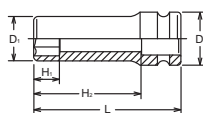





14440M (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
13	20.7	6	67.5	210	10	*1
14	22	7	69.5	210	10	*1
15	23.2	7	69.5	210	10	*1
16	24.5	8	69.5	206	10	*1
17	25.7	8	69.5	220	10	*1
18	27	9	69.5	218	10	*1
19	28.2	10	73.5	260	10	*1
20	29.5	10	73.5	270	10	*1
21	30.7	11	73.5	280	10	*1
22	32	13	73.5	290	10	*1
24	34.5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

14440A (inch)	D (mm)	H (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=C42, Pin/O-Ring=A42/B42  P110-111

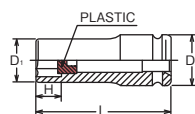
## AN14300 Impact Sockets, Aluminium alloyed, for aluminium wheel nuts Aluminium-legierte Impact Steckschlüssel für Aluminium Radmuttern Douilles Impact en aluminium pour écrous de roue aluminium






AN14300 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	 (g)	 (pcs.)	
17	25.7	30	17	62	80	85	10	*1
19	28.2	30	19	61	80	89	10	*1
21	30.7	30	21	61	80	93	10	*1

\*1 C-Ring=C42, Pin/O-Ring=A42/B42  P110-111

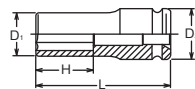
## 14113J Impact Sockets with Plastic Stops for Hub Cap Screws Impact Steckschlüssel mit Plastik-Anschlag für Zier-Radmuttern Douilles Impact avec arrêt en plastique, pour écrous de roue décoratifs






14113J (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (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=C42, Pin/O-Ring=A42/B42  P110-111

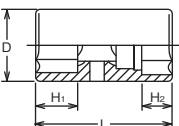
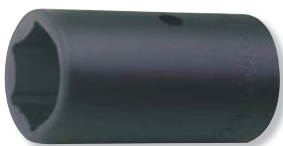
## 14113M For Hub Cap Screws Für Zier-Radmuttern Pour écrous de roue décoratifs





14113M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (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=C42, Pin/O-Ring=A42/B42  P110-111




## 14118M Wheel Nut Sockets, Double Ended Radmuttern Steckschlüssel, doppelseitig Douilles pour écrous de roue à ouvertures doubles



14118M (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	 (g)	 (pcs.)
17x19	28	15.5	13	48	150	10
19x21	31	17.5	13	57	177	10
19x22	31	17.5	15	57	187	10

## 14218M Wheel Nut Sockets, Double Ended with Extension Bar Radmuttern Steckschlüssel, doppelseitig, mit Verlängerung Douille pour écrous de roue à ouvertures double plus rallonge



New 14218M		2 Pieces Set/  =360g	
CARDBOARD BOX			
Sockets		Accessory	
	14118PM 19x21		14760ST-B

Interchangeable Wheel Nut Socket of 19mm and 21mm.

# 1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

14145PM-110 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	Shaft Colour	(g)	(pcs.)	
17	23.7	25.2	21	Blue	208	5	*1
19	25.7	27.2	23	Red	219	5	*1
21	27.5	29	25	Yellow	226	5	*1
22	29	30.5	26	White	238	5	*1



WHEEL NUT SOCKET

## 14145PM-110

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



### 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 identification 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 schützt die Radmutter vor Beschädigungen.

Douilles spécialement conçues pour les écrous de roue :

- La longueur de 110mm permet d'atteindre les écrous enfoncés profondément.

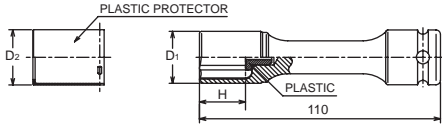
- Idéales pour les écrous des jantes en aluminium où le passage est souvent étroit

- Les corps de couleurs différentes facilitent l'identification : 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.

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111



### PLASTIC PROTECTOR KUNSTSTOFF HÜLSE PROTECTION EN PLASTIQUE

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

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

Zum Schutz empfindlicher 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'identification 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.  
280PM-19

198-21 : Spare Plastic Protector for 14145PM.110-21 : 10 pcs.  
280PM-21

198-22 : Spare Plastic Protector for 14145PM.110-22 : 10 pcs.

14201M 3 Pieces Set/🔧=690g

CARDBOARD BOX:W125xH95xT34mm

Sockets

14145PM.110 Impact Wheel Nut Sockets  
17, 19, 21

280PM (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	L (mm)	H <sub>2</sub> (mm)	Colour	(g)	(pcs.)
19	25.7	27.2	13	52	19	Red	150	5
21	27.5	29	13	55	21	Yellow	180	5



ADAPTOR SOCKET

## 14201M

Wheel Nut Sockets  
Radmuttern Steckschlüssel  
Douilles pour écrous de roue



## 280PM

Adaptor Socket for Low Profile Wheel Nut  
Adapter Steckschlüssel für kurze Radmuttern  
Adapteur pour des écrous de roue courts



Designed for Low Profile Wheel nut socket.

Detachable plastic protector is fitted to the adaptor to prevent damage to painted or surface treatment area on the wheel.

The Plastic insert locate inside of the adaptor prevents damage to wheel nut.

Colour coded band make size identification easy.

Die abnehmbare Kunststoffhülse schützt die Felge vor Kratzern oder Schrammen an der empfindlichen Oberfläche.

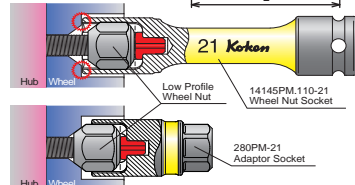
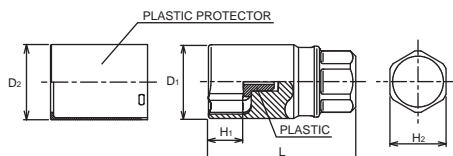
Der Kunststoffanschlag im inneren des Werkzeugs schützt zusätzlich die Radmutter.

Die Farbmarkierung macht die Identifikation des Werkzeugs einfach.

La protection plastifiée amovible, protège la jante et évite des endommagements sur des surfaces délicates.

Le plastic inséré à l'intérieur de l'outil protège également l'écrou de roue.

L'identification de l'outil est simplifiée par le marquage en couleur.



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

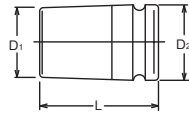
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## 14100M / 14100A

Impact Screw and Stud Pullers  
Impact Stehbolzendreher  
Extracteurs de goujons Impact





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.

14100M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (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)	D <sub>1</sub> (mm)	D <sub>2</sub> (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=C41, Pin/O-Ring=A41/B41

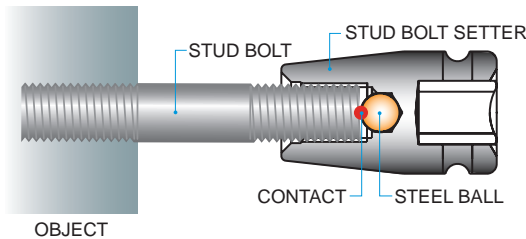
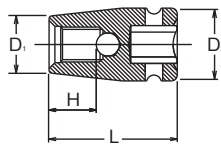
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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




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 die Stahlkugel, 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

14103M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (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=C41, Pin/O-Ring=A41/B41

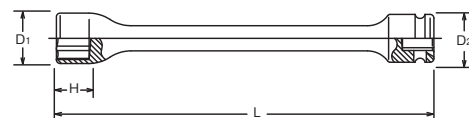
## 14145A-150

Extra Long Socket  
Schaftsteckschlüssel  
Douilles, série allongée



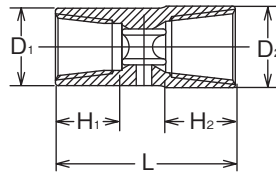
14145A-150 (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
9/16(D20)	20	25	13	150	200	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  
For Land Rover Prop Shaft



14124 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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** ○ Lock Nut Busters (Double Ended)  
Felgenschloss-Knacker, doppelseitig  
Douilles taraudées à ouvertures doubles pour  
dévisser les écrous ou goujons de roue antivols.



14124/3		3 Pieces Set/△=580g	
CARDBOARD BOX:W125xH91xT43mm			
Sockets		Accessory	
○ <b>14124</b> 21×24.5 26×27.5		<b>14760-75B</b>	



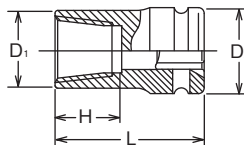
**14124/3** ○ Lock Nut Busters (Double Ended) in Set  
Felgenschloss-Knacker, doppelseitig im Satz  
Jeu de douilles taraudées à ouvertures doubles pour  
dévisser les écrous ou goujons de roue antivols.



14124 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	⊕
17	20.5	25	15	50	83	10	*1
18	21	25	15	50	83	10	*1
18.5	23	25	15	50	95	10	*1
19	25	30	20.5	50	140	10	*2
21	28	30	20.5	50	153	10	*2
24.5	29.5	30	23	50	138	10	*2
26	31.5	30	23	50	147	10	*2
27.5	35	30	23	50	181	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

**14124** ○ Lock Nut Busters  
Felgenschloss-Knacker  
Douilles taraudées pour dévisser les  
écrous ou goujons de roue antivols.



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

**RS14124/7** ○ Socket Set on Rail  
Steckschlüsselsatz auf Schiene  
Jeu de douilles sur rail



# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

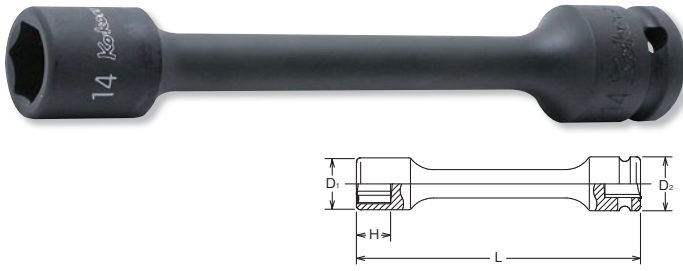
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

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

Extra Long Sockets  
Schافتsteckschlüssel  
Douilles, série allongée



14145M-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25	19	200	311	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 →P110-111

14145M-100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	100	155	1	*1
12	19.5	25	12	100	165	1	*1
14	22	25	14	100	180	1	*1
17	25.7	25	17	100	210	1	*1
19	28.2	25	19	100	230	1	*1

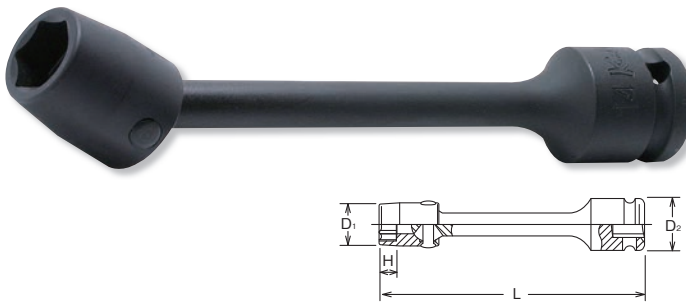
14145M-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25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

14145M-250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	250	278	1	*1
12	19.5	25	12	250	292	1	*1
13	20.7	25	13	250	304	1	*1
14	22	25	14	250	316	1	*1
15	23.2	25	15	250	328	1	*1
16	24.5	25	16	250	335	1	*1
17	25.7	25	17	250	341	1	*1
18	27	25	18	250	350	1	*1
19	28.2	25	19	250	355	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 →P110-111

## 14146M-150/-200/-250

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



14146M-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	200	254	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 →P110-111

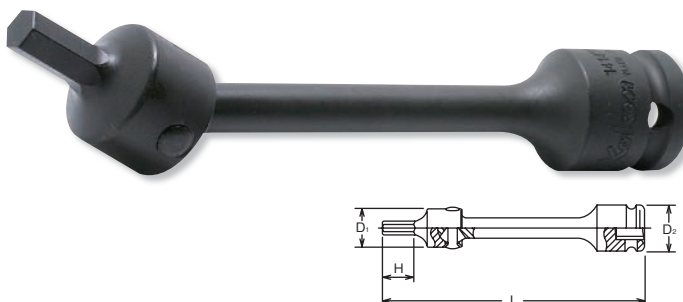
14146M-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	150	197	1	*1
12	19.3	25	7.5	150	200	1	*1
13	20	25	8	150	201	1	*1
14	21	25	8.5	150	203	1	*1
15	22	25	9	150	201	1	*1
16	23	25	9.5	150	200	1	*1
17	25	25	9.5	150	200	1	*1
18	26	25	11	150	210	1	*1
19	28	25	11.5	150	210	1	*1

14146M-250 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 →P110-111

## 14147M-150/-200

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



14147M-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

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

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 →P110-111



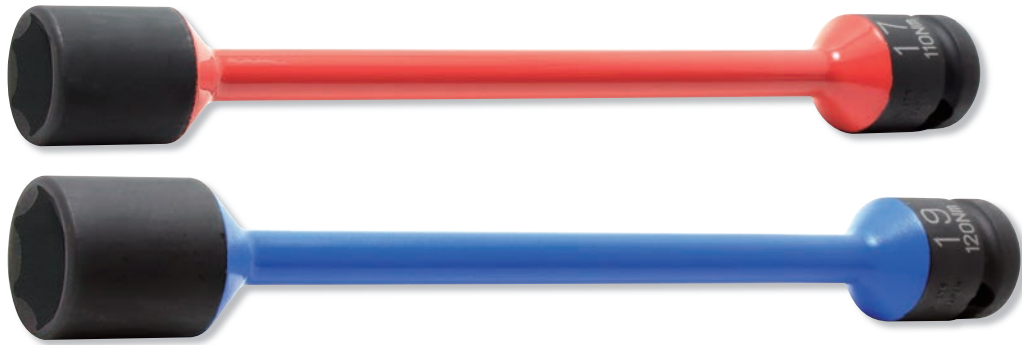
# 1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

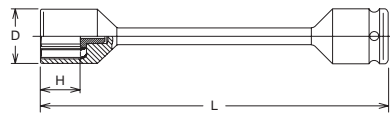
## 14101MP



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



14101MP (mm×Nm)	D (mm)	H (mm)	L (mm)	Shaft Color	pcs.)	⚡
17× 95Nm	25.7	12	214	Yellow	10	*1
17×110Nm	25.7	12	204	Red	10	*1
17×120Nm	25.7	12	203	Green	10	*1
19× 90Nm	28.2	13	259	Yellow	10	*1
19×100Nm	28.2	13	233	White	10	*1
19×120Nm	28.2	13	204	Blue	10	*1
19×140Nm	28.2	13	199	Orange	10	*1
21×100Nm	30.7	14	216	Black	10	*1
21×120Nm	30.7	14	205	Brown	10	*1
22×150Nm	30.7	14	220	Purple	10	*1



\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

⚠ 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 8 Pieces Set/8=2,300g

HANGER

Torsion Bar

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

Torque table included in delivery.

Drehmomenttabelle wird mitgeliefert.

Tableau des couples de serrage inclus dans la livraison.

### Torsion Bars

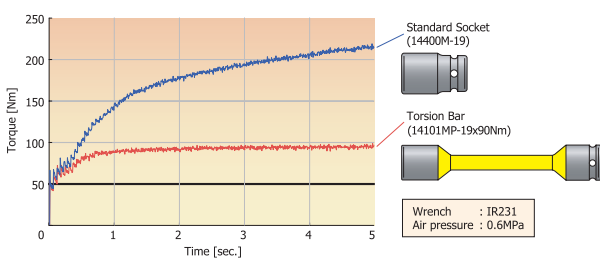
- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Colour coded shafts make size identification easy.

### 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.



## 14101MP-M/8



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



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

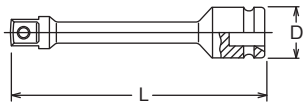
SLEEVE-DRIVE SOCKETS




PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## 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=C41, Pin/O-Ring=A41/B41  P110-111

## 14101M Torsion Bars (for tightening only) Torsionsstäbe (nur zum Anziehen) Barres de torsion (pour serrage seulement)



14101M (mmxNm)	D (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
 17x 60Nm	25.7	12	216	227	1	*1
 17x 75Nm	25.7	12	228	240	1	*1
 17x 95Nm	25.7	12	214	256	1	*1
 17x110Nm	25.7	12	204	285	1	*1
 17x120Nm	25.7	12	203	284	1	*1
 19x 60Nm	28.2	13	219	237	1	*1
 19x 90Nm	28.2	13	259	275	1	*1
 19x110Nm	28.2	13	214	278	1	*1
 19x120Nm	28.2	13	204	297	1	*1
 19x135Nm	28.2	13	204	339	1	*1
 19x170Nm	28.2	13	193	332	1	*1
 21x100Nm	30.7	14	216	288	1	*1
 21x120Nm	30.7	14	205	288	1	*1
 22x160Nm	32	15	210	385	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  P110-111

### How to use Torsion Bar:

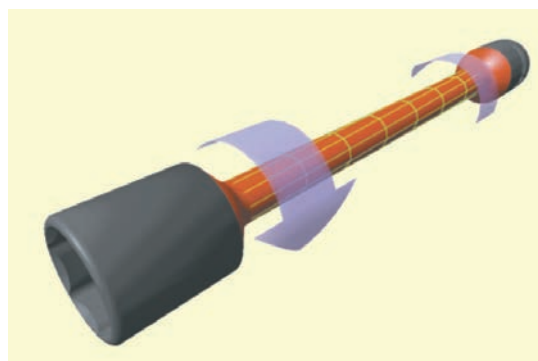
1. Use with a 1/2" Sq. Dr. Pneumatic impact wrench.
2. Set air pressure 0.6MPa, and set impact wrench dial Medium range.
3. Chose a suitable Torsion bar according to wheel nut size and indicated tightening torque.
4. Attach the torsion bar to impact wrench and apply load.
5. Check the actual tightening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



 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.

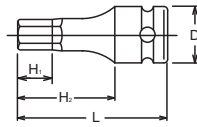
14012M-60 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	(V)
4	25	15.5	38	60	68	10	*1
5	25	15.5	38	60	71	10	*1
6	25	15.5	38	60	74	10	*1
7	25	15.5	38	60	80	10	*1
8	25	15.5	38	60	84	10	*1
10	30	15.5	38	60	140	10	*2
12	30	15.5	38	60	150	10	*2
14	30	15.5	38	60	170	10	*2
16	30	15.5	38	60	180	10	*2
17	30	15.5	38	60	190	10	*2
19	30	15.5	38	60	210	10	*2

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

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

## 14012M-60

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



## RS14012M/10-L60

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



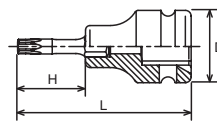
14025-60 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	(V)
T20	25	23.5	60	75	10	*1
T25	25	23.5	60	75	10	*1
T27	25	23.5	60	75	10	*1
T30	25	23.5	60	80	10	*1
T40	25	23.5	60	85	10	*1
T45	25	23.5	60	85	10	*1
T50	25	23.5	60	95	10	*1
T55	25	23.5	60	110	10	*1
T60	30	23.5	60	160	10	*2

14025-100 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	(V)
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=C41, Pin/O-Ring=A41/B41 → P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

## 14025-60 / -100

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



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

## RS14025/6-L60

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



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

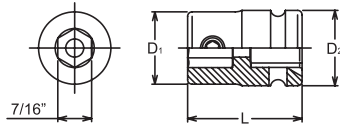
SLEEVE-DRIVE SOCKETS


PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

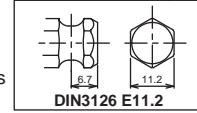
## 14134 Impact Bit Holder Impact Klingenhalter Porte embouts Impact



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>14134</b>	24	25	38	90	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts



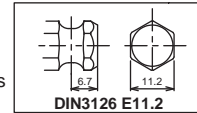
### 13134-SC

Replacement Screw : M8x6, ● 4mm  
Ersatzschraube : M8x6, ● 4mm  
Vis de remplacement : M8x6, ● 4mm

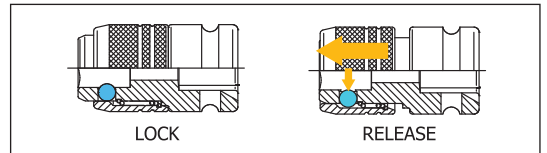
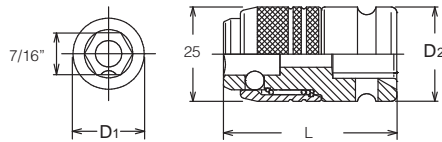
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>14142-F11.2</b>	18.9	25	46	207	10	*1


\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts

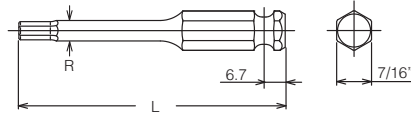
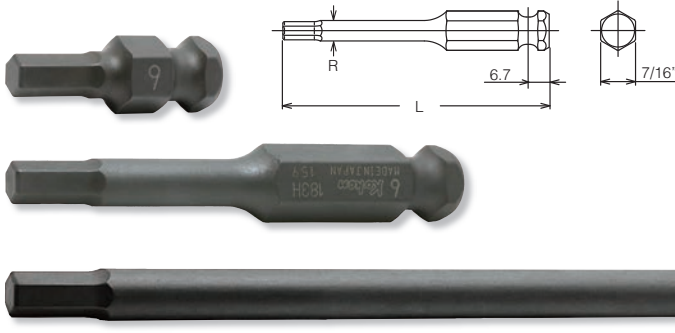



## 14142-F11.2 Impact Bit Holder (Quick Release) Impact Klingenhalter (Quick Release) Porte embouts Impact (Quick Release)

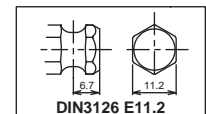








 You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.



## 183H-35 / -75 / -150 Hex Bits Sechskant Bits Embouts, 6 pans creus






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



183H-35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
<b>9</b>	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10 
14	35	35	10 
16	35	47	10 
17	35	50	10 
18	35	53	10 
19	35	56	10 

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

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

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

# 1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

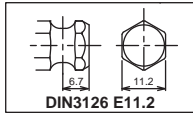
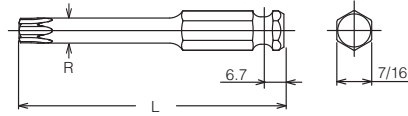
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

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

TORX® Bits  
TORX® Bits  
Embout, TORX®

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



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

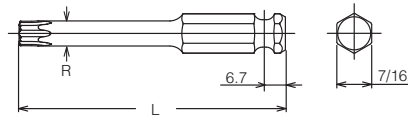
183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10

## 183T-35 / -75 (IP)

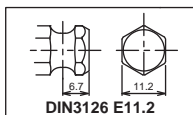
TORXPLUS® Bits  
TORXPLUS® Bits  
Embout TORXPLUS®

**TORXplus**

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



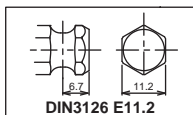
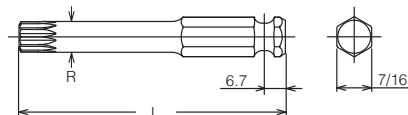
183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10



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

XZN Bits  
XZN Bits  
Embout, XZN

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



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

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

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

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TORX und TORXplus sind eingetragene Markenzeichen der Firma Acument Intellectual Properties, LLC.  
TORX et TORXplus sont des marques déposées sous le nom de la société Acument Intellectual Properties, LLC.

## 14134M-58 / -98



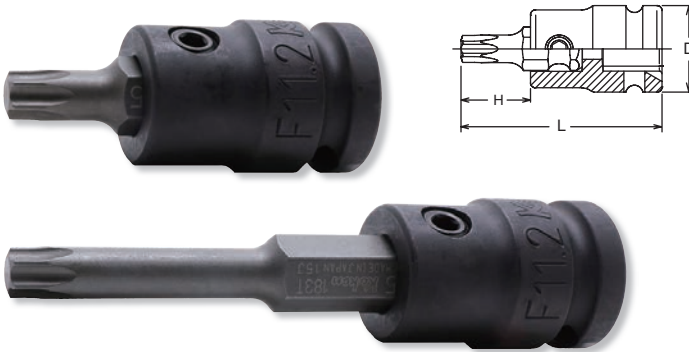
Bit Holder complete with Bit, Inhex  
Klingenhalter komplett mit Klinge, Innensechskant  
Porte embouts avec bit 6-pans creux



## 14134T-58 / -98 (T)



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



## 14134T-58 / -98 (IP)



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



## 14134X-58 / -98 (XZN)



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



14134M-58 (mm)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	25	20	58	6	105	10	*1
4	25	20	58	6	105	10	*1
5	25	20	58	6.5	105	10	*1
6	25	20	58	7.5	108	10	*1
8	25	20	58	9.5	110	10	*1
10	25	20	58	-	116	10	*1
12	25	20	58	-	120	10	*1
14	25	20	58	-	125	10	*1

14134M-98 (mm)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	25	60	98	6	124	5	*1
4	25	60	98	6	125	5	*1
5	25	60	98	6.5	126	5	*1
6	25	60	98	7.5	129	5	*1
8	25	60	98	9.5	137	5	*1
10	25	60	98	-	147	5	*1
12	25	60	98	-	155	5	*1
14	25	60	98	-	169	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

14134T-58 (T)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
T30	25	20	58	6	108	10	*1
T40	25	20	58	6.9	110	10	*1
T45	25	20	58	8	112	10	*1
T50	25	20	58	9	116	10	*1
T55	25	20	58	11.4	120	10	*1
T60	25	20	58	13.5	128	10	*1

14134T-98 (T)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
T30	25	60	98	6	125	5	*1
T40	25	60	98	6.9	127	5	*1
T45	25	60	98	8	131	5	*1
T50	25	60	98	9	135	5	*1
T55	25	60	98	11.4	145	5	*1
T60	25	60	98	13.5	157	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

14134T-58 (IP)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
30IP	25	20	58	6	108	10	*1
40IP	25	20	58	6.8	110	10	*1
45IP	25	20	58	8	112	10	*1
50IP	25	20	58	9	116	10	*1
55IP	25	20	58	11.4	120	10	*1
60IP	25	20	58	13.5	128	10	*1

14134T-98 (IP)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
30IP	25	60	98	6	125	5	*1
40IP	25	60	98	6.8	127	5	*1
45IP	25	60	98	8	131	5	*1
50IP	25	60	98	9	135	5	*1
55IP	25	60	98	11.4	146	5	*1
60IP	25	60	98	13.5	159	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

14134X-58 (XZN)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
M 5	25	20	58	6	108	10	*1
M 6	25	20	58	6.2	110	10	*1
M 8	25	20	58	7.4	112	10	*1
M10	25	20	58	9.8	116	10	*1
M12	25	20	58	11.7	120	10	*1
M14	25	20	58	13.5	128	10	*1

14134X-98 (XZN)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
M 5	25	60	98	6	124	5	*1
M 6	25	60	98	6.2	126	5	*1
M 8	25	60	98	7.4	129	5	*1
M10	25	60	98	9.8	144	5	*1
M12	25	60	98	11.7	149	5	*1
M14	25	60	98	13.5	159	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

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

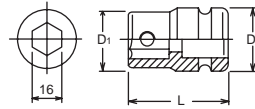
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>14106</b>	28	30	43	160	10	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P110-111

14106-SC

 Replacement Screw : M6x8, 3mm

## 14106 Bit Holder Klingenhalter Porte-embout



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

107-16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107-16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)
New 10	100	13	122	10
New 12	100	15	146	10
New 14	100	-	166	10
New 17	100	-	193	10
New 19	100	-	232	10
New 22	100	-	254	10



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

107-16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
New T55	100	11.4	108	10
New T60	100	13.4	130	10
New T70	100	15.7	159	10

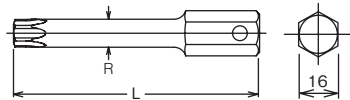
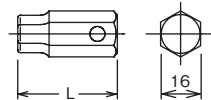
107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

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

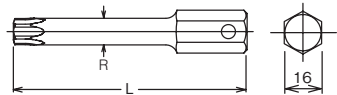
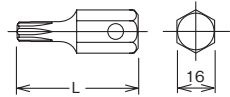
107-16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
New M14	100	13.4	131	10
New M16	100	15.8	161	10
New M18	100	17.1	177	10

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

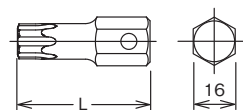
## 107-16 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans males creux



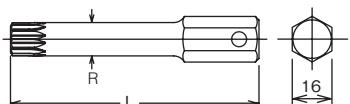
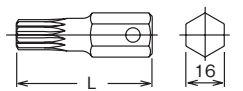
## 107-16 (T) TORX® Bits TORX® Klingen Embouts, TORX®



## 107-16 (IP) TORXPLUS® Bits TORXPLUS® Klingen Embouts TORXPLUS®



## 107-16 (XZN) Bits XZN Klingen XZN Embouts de vissage, XZN



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

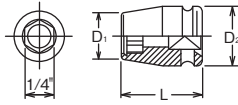
SLEEVE-DRIVE SOCKETS

PROTECTOR

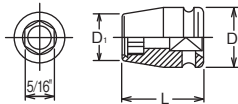
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

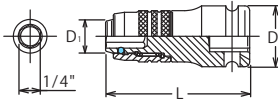
## 14139 Bit Holder Klingenhalter Porte-embouts



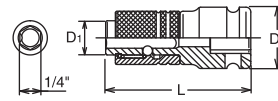
## 14140 Bit Holder Klingenhalter Porte-embouts



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

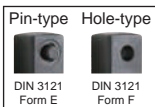


## 14142-F6.3 Bit Holder (Quick Release) Kingenhalter (Schnellwechselfutter) Porte embouts (mandrin autoserrant)



## 14760-P Extension Bars Verlängerungen Rallonges

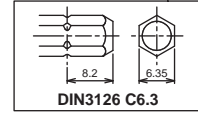
## 14760



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
14139-1/4	11	25	38	62	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

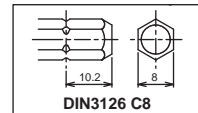
For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
14140-5/16	14	25	38	62	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

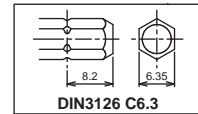
For DIN3126 C8 Bits  
Für DIN3126 C8 Bits  
Pour DIN3126 C8 Embouts



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
14142-D6.3	16	25	55	97	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

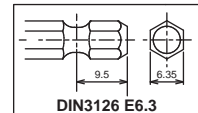
For DIN3126 C6.3 Bits  
Für DIN3126 C6.3 Bits  
Pour DIN3126 C6.3 Embouts



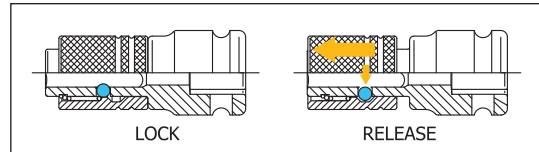
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
14142-F6.3	16.5	25	55	100	10	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

For DIN3126 E6.3 Bits  
Für DIN3126 E6.3 Bits  
Pour DIN3126 E6.3 Embouts



### Lock & Quick Release



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

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
14760-50P	Pin	30	50	150	10	*2
14760-75P	Pin	30	75	188	10	*2
14760-100P	Pin	30	100	240	10	*2
14760-125P	Pin	30	125	275	5	*2
14760-150P	Pin	30	150	300	5	*2
14760-175P	Pin	30	175	358	5	*2
14760-200P	Pin	30	200	405	5	*2
14760-250P	Pin	30	250	480	1	*2

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
14760-50	Hole	30	50	150	10	*2
14760-75	Hole	30	75	188	10	*2
14760-100	Hole	30	100	240	10	*2
14760-125	Hole	30	125	275	5	*2
14760-150	Hole	30	150	300	5	*2
14760-175	Hole	30	175	358	5	*2
14760-200	Hole	30	200	405	5	*2
14760-250	Hole	30	250	480	1	*2

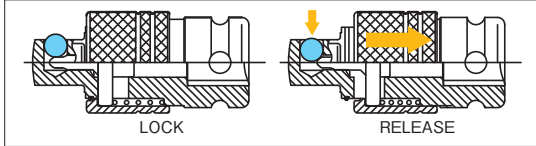
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P110-111



	L (mm)	(g)	(pcs.)	
<b>14444AL</b>	60	128	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

### Lock & Quick Release



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

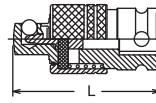
	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
<b>14466AL</b>	1/2"	3/4"	75	460	5	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P110-111

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

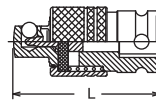
## 14444AL

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



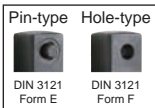
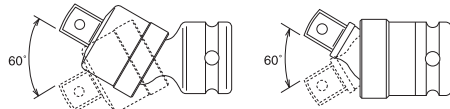
## 14466AL

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



	TYPE	L (mm)	(g)	(pcs.)	
<b>14770-P</b>	Pin	74	210	5	*2
<b>14770</b>	Hole	74	210	5	*2
<b>14771-P</b>	Pin	65	198	5	*2
<b>14771</b>	Hole	65	198	5	*2

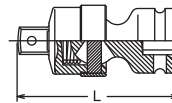
\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P110-111



## 14770-P

Universal Joint  
Gelenk-Einsatz  
Cardan universel

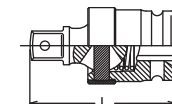
### 14770



## 14771-P

Universal Joint  
Gelenk-Einsatz  
Cardan universel

### 14771

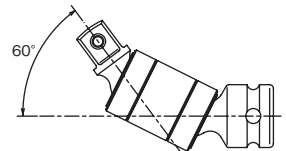
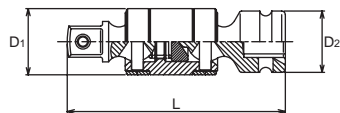


## 14772-P

Universal Double Joint  
Doppelgelenk-Einsatz  
Cardan universel double

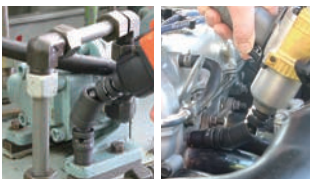
### 14772-B

D1 D2 L



	TYPE	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
<b>14772-P</b>	Pin	27	25	90	230	5	*1
<b>14772-B</b>	Ball	27	25	90	230	5	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111



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.

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

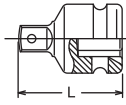
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

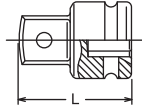
**14433A-P** Adaptor  
Verbindungsstück  
Réducteur

**14433A**

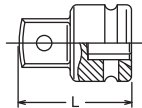
No Warranty  
Keine Garantie  
Sans Garantie



**14455A** Adaptor  
Verbindungsstück  
Augmentateur



**14466A** Adaptor  
Verbindungsstück  
Augmentateur



**14209M** Socket Sets  
Steckschlüssel Sätze  
Jeu de clés à douilles



**14210M** Socket Sets  
Steckschlüssel Sätze  
Jeu de clés à douilles



**14210T** Socket Sets  
Steckschlüssel Sätze  
Jeu de clés à douilles



**14210X** Socket Sets  
Steckschlüssel Sätze  
Jeu de clés à douilles



	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=C41, Pin/O-Ring=A41/B41 → P110-111

⚠ 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	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P110-111

	TYPE	□ (sq.)	□ (sq.)	L (mm)	⚖ (g)	📦 (pcs.)	⚡
14466A	Hole	1/2"	3/4"	44	146	10	*2

\*2 C-Ring=C42, Pin/O-Ring=A42/B42 → P110-111

**14209M** 10 Pieces Set/⚖=830g

METAL CASE:W190xH59xT45mm

Bits		Bit Holder	
⚙ 183H.35 Hex Bits 5, 6, 8, 10	⚙ 14134 Bit Holder		
⚙ 107.16 Hex Bits 12, 14, 17, 19	⚙ 14106 Bit Holder		

**14210M** 18 Pieces Set/⚖=1,250g

METAL CASE:W310xH90xT48mm

Bits		Bit Holder	
⚙ 183H.35 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	⚙ 14134 Bit Holder		
⚙ 183H.75 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	⚙ 168H-4 (40) Screwdriver		

**14210T** 14 Pieces Set/⚖=1,080g

METAL CASE:W310xH90xT48mm

Bits		Bit Holder	
⚙ 183T.35 TORX® Bits T30, T40, T45, T50, T55, T60	⚙ 14134 Bit Holder		
⚙ 183T.75 TORX® Bits T30, T40, T45, T50, T55, T60	⚙ 168H-4 (40) Screwdriver		

**14210X** 14 Pieces Set/⚖=1,040g

METAL CASE:W310xH90xT48mm

Bits		Bit Holder	
⚙ 183X.35 XZN Bits M4, M5, M6, M8, M10, M12	⚙ 14134 Bit Holder		
⚙ 183X.75 XZN Bits M4, M5, M6, M8, M10, M12	⚙ 168H-4 (40) Screwdriver		

# 1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS


IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR


INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

<b>14207M</b>	10 Pieces Set/△=2,700g
METAL CASE:W310xH90xT48mm	
Sockets	
 <b>14300M</b> 6-pt Deep Sockets	10, 12, 13, 14, 17, 19, 21, 22, 24, 27


**14207M**  Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles



<b>14208M</b>	13 Pieces Set/△=3,500g
METAL CASE:W395xH90xT50mm	
Sockets	
 <b>14300M</b> 6-pt Deep Sockets	10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27

**14208M**  Socket Set  
Steckschlüssel Satz  
Jeu de clés à douilles




<b>14241M-00</b>	13 Pieces Set/△=2,000g
METAL CASE:W196xH100xT45mm	
Sockets	
 <b>14400M</b> 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27

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


**14241M-05** 



<b>14241M-05</b>	13 Pieces Set/△=2,000g
METAL CASE:W196xH100xT45mm	
Sockets	
 <b>14405M</b> 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











<b>14242M</b>	12 Pieces Set/△=1,890g
METAL CASE:W310xH90xT48mm	
Sockets	
 <b>14400M</b> 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27

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

**14245M-05** 



<b>14245M-00</b>	18 Pieces Set/△=2,250g
METAL CASE:W310xH90xT48mm	
Sockets	Accessories
 <b>14400M</b> 6-pt. Sockets	 14760-125P
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	 14770-P
	 A41, A42
	B41, B42

<b>14245M-05</b>	18 Pieces Set/△=2,250g
METAL CASE:W310xH90xT48mm	
Sockets	Accessories
 <b>14405M</b> 12-pt. Sockets	 14760-125P
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	 14770-P
	 A41, A42
	B41, B42

# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

# 5/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

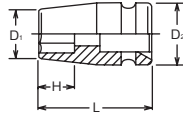
SLEEVE-DRIVE SOCKETS


PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

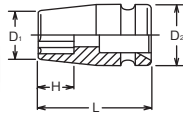
### 15400M 6-point Sockets 6-kant Steckschlüssel Douilles 6-pans




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

\*1 Pin/O-Ring=A51/B51 → P111

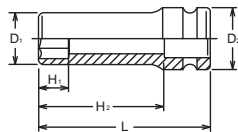
### 15410M Surface Drive Sockets Surface Drive Steckschlüssel Douilles, Surface Drive




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

\*1 Pin/O-Ring=A51/B51 → P111

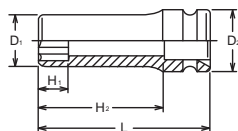
### 15300M 6-point Deep Sockets 6-kant-Steckschlüssel, lang Douilles longues 6-pans




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

\*1 Pin/O-Ring=A51/B51 → P111

### 15310M Surface Drive Sockets, deep Surface Drive Steckschlüssel, lang Douilles longues, Surface Drive



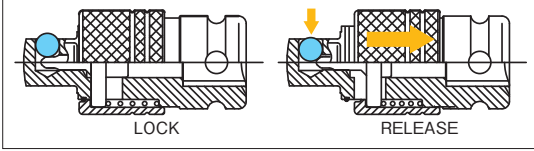
15310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

\*1 Pin/O-Ring=A51/B51 → P111

	L (mm)	(g)	(pce.)	⚡
<b>15555AL</b>	70	310	1	*1

\*1 Pin/O-Ring=A51/B51 →P111

### Lock & Quick Release

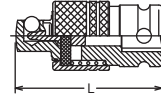


⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

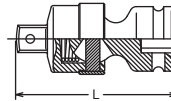
	L (mm)	(g)	(pce.)	⚡
<b>15770</b>	88	420	1	*1

\*1 Pin/O-Ring=A51/B51 →P111

**15555AL** Adaptor (Quick Release)  
Schnellwechsel-Verbindungsstück (Quick Release) ⚠  
Adaptateur (Quick Release)



**15770** Universal Joint  
Gelenk-Einsatz  
Cardan universel



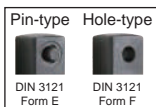
	TYPE	□ (sq.)	□ (sq.)	L (mm)	(g)	(pce.)	⚡
<b>15544A-P</b>	Pin	5/8"	1/2"	46	165	1	*1
<b>15544A</b>	Hole	5/8"	1/2"	46	165	1	*1

\*1 Pin/O-Ring=A51/B51 →P111

⚠ 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.

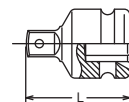
Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.



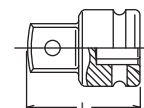
	TYPE	□ (sq.)	□ (sq.)	L (mm)	(g)	(pce.)	⚡
<b>15566A</b>	Hole	5/8"	3/4"	48	200	1	*1

\*1 Pin/O-Ring=A51/B51 →P111

**15544A-P** Adaptor  
Verbindungsstück  
Réducteur  
**15544A** No Warranty  
Keine Garantie  
Sans Garantie ⚠

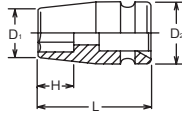


**15566A** Adaptor  
Verbindungsstück  
Augmentateur



## 16400M / 16400A

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

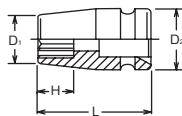


16400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/8	28.8	44	11	50	366	5	*1
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1.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

16400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
31	47.5	44	18	53	426	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
35	52.5	44	20	55	494	5	*1
36	53.8	44	20	55	498	5	*1
37	55	44	20	55	526	2	*1
38	56.3	44	20	57	558	2	*1
39	57.5	44	20	57	579	2	*1
40	58.8	44	20	57	598	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
43	62.5	44	23	62	720	2	*1
44	63.8	44	23	62	761	2	*1
45	65	44	23	62	757	2	*1
46	66.3	44	23	62	755	2	*1
47	67.5	54	23	62	805	2	*2
48	68.8	54	23	62	940	2	*2
49	70	54	23	62	912	2	*2
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
54	76.3	54	29	62	1035	2	*2
55	77.5	54	29	62	1056	2	*2
56	78.8	54	29	62	1091	2	*2
57	80	54	32	65	1126	2	*2
58	81.3	54	31	65	1163	2	*2
59	82.5	54	31	65	1185	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2
70	96.3	54	34	70	1570	1	*2

## 16405M / 16405A

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



16405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410	5	*1
1. 1/4	48.8	44	19	53	428	5	*1
1. 5/16	51.3	44	20	55	490	5	*1
1. 3/8	52.5	44	20	55	494	5	*1
1. 7/16	55	44	20	55	526	2	*1
1. 1/2	56.3	44	20	57	558	2	*1
1. 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1. 3/4	65	44	23	62	757	2	*1
1. 7/8	68.8	54	23	62	940	2	*2
2	72.5	54	30	62	969	2	*2

\*1 C-Ring=C61, Pin/O-Ring=A61/B61  
\*2 C-Ring=C81, Pin/O-Ring=A62/B62

➔ P110-111

16405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
36	53.8	44	20	55	498	5	*1
38	56.3	44	20	57	558	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
46	66.3	44	23	62	755	2	*1
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
55	77.5	54	29	62	1056	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2

\*1 C-Ring=C61, Pin/O-Ring=A61/B61  
\*2 C-Ring=C81, Pin/O-Ring=A62/B62

➔ P110-111

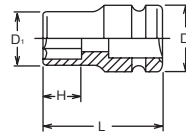
# 3/4"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

16401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
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=C61, Pin/O-Ring=A61/B61 → P110-111

**16401M**  6-point Sockets, Thin Walled  
**16401A**  6-kant Steckschlüssel, dünnwandig  
Douilles à paroi mince, 6-pan



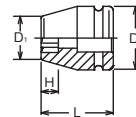
16401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	28	43	12	50	300	5	*1
3/4	30.5	43	13	50	300	5	*1
13/16	33	43	15	50	305	5	*1
7/8	34.3	43	15	50	310	5	*1
15/16	36.8	43	16	50	325	5	*1
1	38	43	16	50	326	5	*1
1. 1/16	40.5	43	16	50	340	5	*1
1. 1/8	43	43	18	53	355	5	*1
1. 3/16	44.3	43	18	53	365	5	*1
1. 1/4	46.8	43	19	53	385	5	*1
1. 5/16	49.3	30	20	55	437	5	*1
1. 3/8	50.5	43	20	55	430	5	*1
1. 7/16	53	43	20	55	460	2	*1
1. 1/2	54.3	43	20	57	472	2	*1
1. 9/16	56.8	43	20	57	525	2	*1
1. 5/8	58	43	22	57	555	2	*1
1.13/16	64.3	43	23	62	710	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

16410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
24	38.8	44	16	50	370	5	*1
27	42.5	44	16	50	375	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
36	53.8	44	20	55	498	5	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

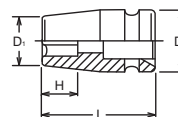
**16410M**  Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



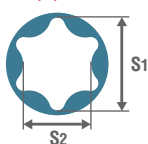
16425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

**16425**  TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®



**TORX®**  
(E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S <sub>1</sub> (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
S <sub>2</sub> (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

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.

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/4"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

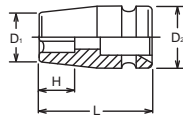
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## 16425-EPL



TORXPLUS® Sockets  
TORXPLUS® Steckschlüssel  
Douilles TORXPLUS®



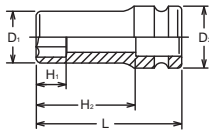
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	55	427	5	*1
26EPL	35	44	14.2	60	467	5	*1
28EPL	36.3	44	15.2	60	467	5	*1
30EPL	38.8	44	16.1	60	472	5	*1
32EPL	40	44	16.1	62	488	5	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

## 16301X



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



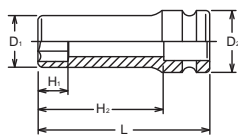
16301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
17	28	43	17	49	75	370	2	*1
18	29.3	43	18	49	75	380	2	*1
19	30.5	43	19	49	75	393	2	*1
20	31.8	43	20	49	75	400	2	*1
21	33	43	21	49	75	408	2	*1
22	34.3	43	22	49	75	418	2	*1
23	35.5	43	23	49	75	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=C61, Pin/O-Ring=A61/B61 → P110-111

## 16300M / 16300A



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



16300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

16300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
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
44	63.8	44	38	68	100	1220	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=C61, Pin/O-Ring=A61/B61 → P110-111

\*2 C-Ring=C81, Pin/O-Ring=A62/B62

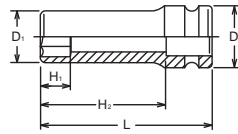
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111  
\*2 C-Ring=C81, Pin/O-Ring=A62/B62

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



# 3/4"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact



16301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⚡
16	26.8	43	16	74	100	435	2	*1
17	28	43	17	74	100	470	2	*1
18	29.3	43	18	74	100	475	2	*1
19	30.5	43	19	74	100	480	2	*1
20	31.8	43	20	74	100	491	2	*1
21	33	43	21	74	100	505	2	*1
22	34.3	43	22	74	100	528	2	*1
23	35.5	43	23	74	100	542	2	*1
24	36.8	43	24	74	100	560	2	*1
25	38	43	25	74	100	581	2	*1
26	39.3	43	26	74	100	600	2	*1
27	40.5	43	27	73	100	610	2	*1
28	41.8	43	28	73	100	639	2	*1
29	43	43	29	73	100	650	2	*1
30	44.3	43	30	73	100	670	2	*1
31	45.5	43	31	72	100	690	2	*1
32	46.8	43	32	72	100	715	2	*1
33	48	43	33	72	100	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
39	55.5	43	38	70	100	908	2	*1
40	56.8	43	38	70	100	925	2	*1
41	58	43	38	69	100	970	2	*1
42	59.3	43	38	69	100	990	2	*1
46	64.3	43	38	68	100	1150	2	*1
50	69.2	53	62	-	100	1328	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

**16301M** 6-point Deep Sockets, Thin Walled  
**16301A** 6-kant Steckschlüssel, dünnwandig  
Douilles à paroi mince longues, 6-pans



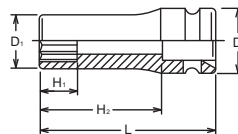
16301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⚡
11/16	28	43	17	74	100	470	2	*1
3/4	30.5	43	19	74	100	480	2	*1
13/16	33	43	21	74	100	505	2	*1
7/8	34.3	43	22	74	100	528	2	*1
15/16	36.8	43	24	74	100	560	2	*1
1	38	43	25	74	100	581	2	*1
1. 1/16	40.5	43	27	73	100	610	2	*1
1. 1/8	43	43	29	73	100	650	2	*1
1. 3/16	44.3	43	30	73	100	670	2	*1
1. 1/4	46.8	43	32	72	100	715	2	*1
1. 5/16	49.3	43	34	72	100	790	2	*1
1. 3/8	50.5	43	35	71	100	785	2	*1
1. 7/16	53	43	37	71	100	850	2	*1
1. 1/2	54.3	43	38	70	100	885	2	*1
1. 9/16	56.8	43	38	70	100	925	2	*1
1. 5/8	58	43	38	69	100	970	2	*1
1.13/16	64.3	43	38	68	100	1150	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

16305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	⚡
14	26.3	44	14	74	100	500	2	*1
16	28.8	44	16	74	100	522	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	600	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	715	2	*1
26	41.3	44	26	74	100	760	2	*1
27	42.5	44	27	73	100	765	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
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=C61, Pin/O-Ring=A61/B61 → P110-111

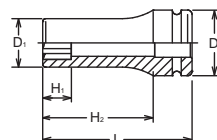
**16305M** 12-point Sockets, deep  
12-kant Steckschlüssel, lang  
Douilles longues, 12-pans



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

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

**16310M** Surface Drive Sockets, deep  
Surface Drive Steckschlüssel, lang  
Douilles longues, Surface Drive



BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/4"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

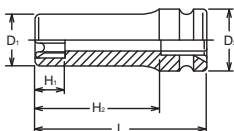
SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

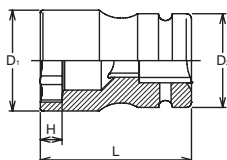
## 16325 TORX® Deep Sockets TORX® Steckschlüssel, lang Douilles longues TORX®



16325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	74	100	520	2	*1
E20	28.8	44	14.4	74	100	560	2	*1
E22	31.3	44	15.5	74	100	600	2	*1
E24	32.5	44	17	74	100	630	2	*1
New E26	35	44	18.8	74	100	660	2	*1
New E28	36.3	44	25.2	74	100	670	2	*1
New E30	38.8	44	25.2	75	100	730	2	*1
New E32	41.3	44	25.2	75	100	777	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

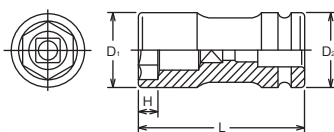
## PW6P Rear Wheel Nut Sockets Steckschlüssel für Hinterradmuttern Douilles spéciales pour écrous de roué arrière



PW6P (mmxmm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	
New 32x17	47	44	12	75	Orange	621	2	*1
New 35x17	50	44	12	75	White	655	2	*1
New 38x20	55	44	12	75	Red	705	2	*1
New 41x19	58	44	12.5	80	Green	813	2	*1
New 41x20	58	44	12.5	80	Blue	813	2	*1
New 41x21	58	44	12.5	80	Yellow	779	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

## 16316M / 16316A Rear Wheel Nut Sockets Steckschlüssel für Hinterradmuttern Douilles spéciales pour écrous de roué arrière



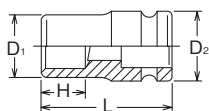
16316M (mmxmm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
35x17	52	44	10	90	865	1	*1
38x20	56	44	13	100	952	1	*1
41x19	59	44	12	100	1037	1	*1
41x21	59	44	15	100	963	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

16316A (inchxinch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.1/2x13/16	56	44	13	100	940	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

## 16317M / 16317A Rear Wheel Nut Sockets Steckschlüssel für Hinterradmuttern Douilles spéciales pour écrous de roué arrière



16317M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
17	40	44	22.5	67	485	1	*1
19	40	44	22.5	67	462	1	*1
20	44	44	22.5	67	517	1	*1
21	44	44	22.5	67	489	1	*1
22	44	44	22.5	67	482	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

16317A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
13/16	44	44	22.5	67	489	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

# 3/4"

## Impact Sockets Impact Steckschlüssel Douilles Impact

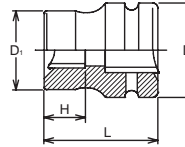
PS6 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
17	40	44	19	53	433	5	*1
19	40	44	19	53	419	5	*1
20	44	44	21	55	483	5	*1
21	44	44	23	57	491	5	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

### PS6



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



### 16101M



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



16101M (mm×Nm)	D (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
24x180Nm	38.8	24	235	850	1	*1
27x450Nm	42.5	27	280	1236	1	*1
32x600Nm	48.8	32	280	1370	1	*1
33x600Nm	50	33	280	1370	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111



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

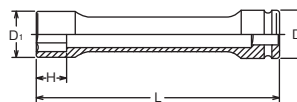
Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/Torsionsstab mittels eines Drehmomentschlüssels.

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



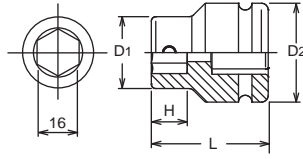
16102M-270 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
24	38.8	44	24	270	1034	1	*1
27	42.5	44	27	270	1088	1	*1
30	46.3	44	30	270	1144	1	*1
32	48.8	44	32	270	1157	1	*1
33	50	44	32	270	1200	1	*1
36	53.8	44	32	270	1250	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

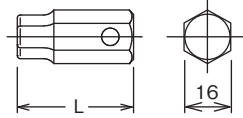
16102M-400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
24	38.8	44	24	400	1430	1	*1
27	42.5	44	27	400	1460	1	*1
30	46.3	44	30	400	1510	1	*1
32	48.8	44	32	400	1530	1	*1
33	50	44	32	400	1530	1	*1
36	53.8	44	32	400	2180	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

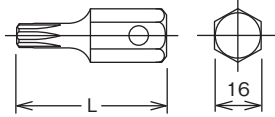
## 16106 Bit Holder Klingenhalter Porte-embout



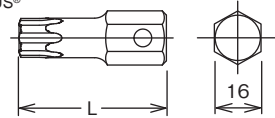
## 107-16 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embout pour vis 6-pans males creux



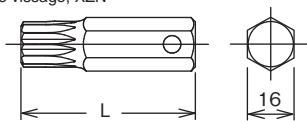
## 107-16 (T) TORX® Bits TORX® Klingen Embout, TORX®



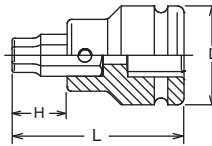
## 107-16 (IP) TORXPLUS® Bits TORXPLUS® Klingen Embout TORXPLUS®



## 107-16 (XZN) Bits XZN Klingen XZN Embout de vissage, XZN



## 16106-16 Bit Holder complete with Bit, Inhex Klingenhalter komplett mit Klinge, Innensechskant Porte embouts avec bit 6-pans creux



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
<b>16106</b>	32	44	16	52	370	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 →P110-111

### 16106-SC

Replacement Screw : M6x10,  3mm

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

107-16 (inch)	L (mm)	(g)	(pcs.)
------------------	-----------	-----	--------

1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107-16(L100) (mm)	L (mm)	(g)	(pcs.)
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10	100	118	10
12	100	141	10
14	100	163	10
17	100	185	10
19	100	228	10
22	100	293	10

107-16 (T)	L (mm)	(g)	(pcs.)
---------------	-----------	-----	--------

T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16(L100) (T)	L (mm)	(g)	(pcs.)
---------------------	-----------	-----	--------

T55	100	104	10
T60	100	123	10
T70	100	148	10

107-16 (IP)	L (mm)	(g)	(pcs.)
----------------	-----------	-----	--------

55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)	L (mm)	(g)	(pcs.)
-----------------	-----------	-----	--------

M14	60	83	10
M16	60	93	10
M18	60	103	10

107-16(L100) (XZN)	L (mm)	(g)	(pcs.)
-----------------------	-----------	-----	--------



M14	100	126	10
M16	100	153	10
M18	100	173	10

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.)	
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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

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

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 →P110-111

# 3/4"

## Impact Sockets Impact Steckschlüssel Douilles Impact

BITS, NUT SETTERS AND ADAPTORS  
IMPACT SOCKETS  
SLEEVE-DRIVE SOCKETS  
PROTECTOR  
INDUSTRIAL SOCKETS  
TOOLS FOR CONSTRUCTION SITES

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
<b>16107</b>	44	44	22	60	530	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

16107-SC



Replacement Screw : M8x14, ●4mm

107-22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

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

107-22(L140) (mm)	L (mm)	(g)	(pcs.)
New 17	140	431	5
New 19	140	441	5
New 22	140	460	5
New 24	140	513	5

107-22 (T)	L (mm)	(g)	(pcs.)
New T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107-22(L140) (T)	L (mm)	(g)	(pcs.)
New T 70	140	395	5
New T 80	140	407	5
New T 90	140	420	5
New T100	140	434	5

16107-22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
19	44	28	88	670	2	*1
22	44	28	88	692	2	*1
24	44	28	88	706	2	*1
27	44	28	88	730	2	*1
30	44	28	88	757	2	*1
32	44	28	93	783	2	*1

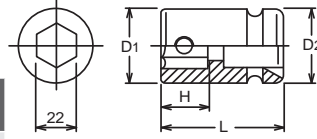
\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

⚠ The items with ⚠ have larger output size than 22mm input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

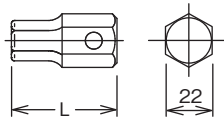
	D (mm)	L (mm)	(g)	(pce.)	⚡
16760-150	44	150	775	1	*1
16760-175	44	175	870	1	*1
16760-200	44	200	955	1	*1
16760-250	44	250	1150	1	*1
16760-330	44	330	1460	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

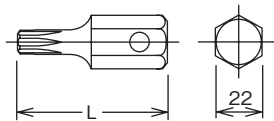
**16107** ○ Bit Holder  
Klingenhalter  
Porte embouts



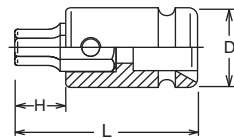
**107-22** ● Bits for Inhex Screws  
Klingen für Innensechskant-Schrauben  
Embouts pour vis 6-pans males creux



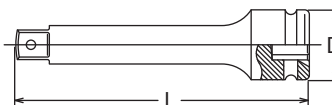
**107-22 (T)** ● TORX® Bits  
TORX® Klingen  
Embouts, TORX®



**16107-22** ● Bit Holder complete with Bit, Inhex  
Klingenhalter komplett mit Klinge, Innensechskant  
Porte embouts avec bit 6-pans creux



**16760** Extension Bars  
Verlängerungen  
Rallonges



# Impact Sockets Impact Steckschlüssel Douilles Impact

# 3/4"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

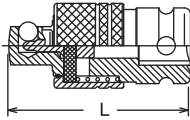
SLEEVE-DRIVE SOCKETS

PROTECTOR

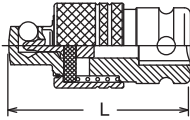
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

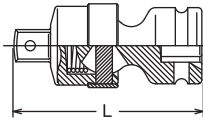
**16666AL** Adaptor (Quick Release)  
Verbindungsstück (Quick Release)  
Adaptateur (Quick Release) ⚠



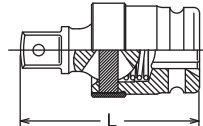
**16644AL** Adaptor (Quick Release)  
Verbindungsstück (Quick Release)  
Adaptateur (Quick Release) No Warranty  
Keine Garantie  
Sans Garantie ⚠



**16770** Universal Joint  
Gelenk-Einsatz  
Cardan universel



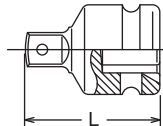
**16771** Universal Joint  
Gelenk-Einsatz  
Cardan universel



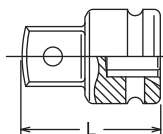
**16644A-P** Adaptors  
Verbindungsstücke  
Réducteurs No Warranty  
Keine Garantie  
Sans Garantie ⚠

**16644A**

**16655A**



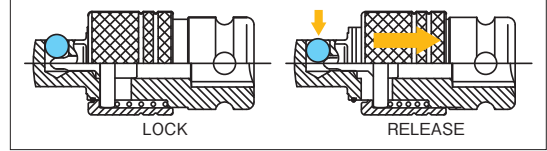
**16688A** Adaptor  
Verbindungsstück  
Augmentateur



	L (mm)	(g)	(pcs.)	
<b>16666AL</b>	75	660	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

**Lock & Quick Release**



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

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
<b>16644AL</b>	3/4"	1/2"	70	240	2	*1

\*1 Pin/O-Ring=A51/B51 → P111

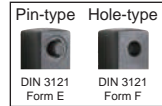
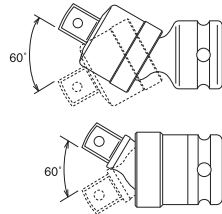
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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.

	L (mm)	(g)	(pce.)	
<b>16770</b>	106	790	1	*1
<b>16771</b>	95	720	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111



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

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

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

⚠ 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)	(pce.)	
<b>16688A</b>	Hole	3/4"	1"	62	435	1	*1
<b>16688A-250</b>	Hole	3/4"	1"	250	1400	1	*1
<b>16688A-330</b>	Hole	3/4"	1"	330	1880	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

# 3/4"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

## 16201M-00 / 16201A-00

Socket Sets  
Steckschlüssel Sätze  
Jeux de clés à douilles



<b>16201M-00</b>	13 Pieces Set/△=6,800g
METAL CASE:W320xH110xT70mm	
Sockets	
<b>16400M</b> 6-pt. Sockets	
19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

<b>16201A-00</b>	11 Pieces Set/△=6,000g
METAL CASE:W320xH110xT70mm	
Sockets	
<b>16400A</b> 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




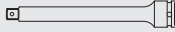
<b>16201M-01</b>	13 Pieces Set/△=6,000g
METAL CASE:W320xH110xT70mm	
Sockets	
<b>16401M</b> 6-pt. Sockets, Thin-walled	
19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

<b>16201A-01</b>	11 Pieces Set/△=5,400g
METAL CASE:W320xH110xT70mm	
Sockets	
<b>16401A</b> 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



<b>16245M</b>	17 Pieces Set/△=12,000g
METAL CASE:W590xH127xT72mm	
Sockets	Accessories
<b>16400M</b> 6-pt. Sockets	 <b>16760-175</b>
19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	 <b>16760-330</b>

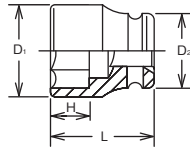
BITS, NUT SETTERS AND ADAPTORS  
IMPACT SOCKETS  
SLEEVE-DRIVE SOCKETS  
PROTECTOR  
INDUSTRIAL SOCKETS  
TOOLS FOR CONSTRUCTION SITES

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1"

## 18400M / 18400A

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



BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

18400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	586	2	*1
19	35.3	54	13	57	590	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	66	36	70	1235	2	*2
48	71.5	66	35	70	1228	2	*2
50	74	66	35	70	1302	2	*2
52	76.5	66	40	75	1423	2	*2
54	79	66	40	75	1492	2	*2
55	80.3	66	39	75	1501	2	*2
56	81.5	66	39	75	1520	2	*2
58	84	66	39	75	1586	2	*2
60	86.5	66	39	75	1651	2	*2
62	89	66	38	75	1685	2	*2
63	90.3	66	38	75	1661	2	*2
65	92.8	66	38	75	1915	2	*2
67	95.3	66	38	75	1872	2	*2
68	96.5	66	37	75	1877	1	*2
70	99	66	37	75	1944	1	*2
75	105.3	86	37	80	2675	1	*3
80	111.5	86	41	85	2996	1	*3
85	117.8	86	37	90	3378	1	*3
90	124	86	40	95	3871	1	*3
95	130.3	86	43	100	4500	1	*3
100	136.5	86	47	105	5000	1	*3

18400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	⚡
11/16	32.8	54	12	57	579	2	*1
3/4	35.3	54	13	57	590	2	*1
13/16	37.8	54	15	57	605	2	*1
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/16	45.3	54	16	57	627	2	*1
1. 3/32	46.5	54	16	57	642	2	*1
1. 1/8	47.8	54	18	57	657	2	*1
1. 3/16	49	54	21	62	657	2	*1
1. 1/4	51.5	54	21	62	685	2	*1
1. 9/32	52.8	54	21	62	692	2	*1
1. 5/16	54	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1.15/32	57.8	54	21	62	730	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 9/16	61.5	54	25	66	850	2	*1
1. 5/8	62.8	54	25	66	850	2	*1
1.11/16	65.3	54	27	68	977	2	*1
1. 3/4	67.8	54	27	68	963	2	*1
1.13/16	69	54	29	70	1010	2	*1
1. 7/8	71.5	66	35	70	1228	2	*2
1.15/16	72.8	66	35	70	1238	2	*2
2	75.3	66	35	70	1297	2	*2
2. 1/16	76.5	66	40	75	1423	2	*2
2. 1/8	79	66	40	75	1492	2	*2
2. 3/16	80.3	66	39	75	1501	2	*2
2. 1/4	82.8	66	39	75	1583	2	*2
2. 5/16	84	66	39	75	1586	2	*2
2. 3/8	86.5	66	39	75	1651	2	*2
2. 7/16	89	66	38	75	1685	2	*2
2. 1/2	91.5	66	38	75	1780	2	*2
2. 9/16	92.8	66	38	75	1915	2	*2
2. 5/8	95.3	66	38	75	1872	2	*2
2.11/16	96.5	66	37	75	1877	1	*2
2. 3/4	99	66	37	75	1944	1	*2
2.13/16	101.5	86	37	80	2705	1	*3
2. 7/8	102.8	86	38	80	2629	1	*3
2.15/16	105.3	86	37	80	2675	1	*3
3	106.5	86	37	80	2705	1	*3
3. 1/16	109	86	42	85	2967	1	*3
3. 1/8	111.5	86	41	85	2996	1	*3
3. 1/4	115.3	86	44	90	3328	1	*3
3. 3/8	119	86	36	90	3389	1	*3
3. 1/2	124	86	40	95	3871	1	*3
3. 3/4	130.3	86	43	100	4377	1	*3
4	137.8	86	46	105	5152	1	*3

\*1 C-Ring=C81, Pin/O-Ring=A81/B81

\*2 C-Ring=C82, Pin/O-Ring=A82/B82

\*3 C-Ring=C83, Pin/O-Ring=A83/B83

→ P110-111

→ P110-111



18401M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	12	57	481	2	*1
19	32.3	53	13	57	492	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
27	42.3	53	16	57	540	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
41	59.8	53	25	66	740	2	*1
46	66	53	29	70	900	2	*1
47	67.3	65	29	70	1153	2	*2
50	71	65	35	70	1235	2	*2

18401A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81  
\*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P110-111

18405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
27	45.3	54	16	57	607	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	690	2	*1
35	55.3	54	21	62	690	2	*1
36	56.5	54	21	62	692	2	*1
38	59	54	25	66	700	2	*1
40	61.5	54	25	66	830	2	*1
41	62.8	54	25	66	905	2	*1
46	69	54	29	70	990	2	*1
50	74	66	35	70	1258	2	*2
55	80.3	66	39	75	1475	2	*2
56	81.5	66	39	75	1493	2	*2
60	86.5	66	39	75	1621	2	*2
65	92.8	66	38	75	1885	2	*2

18405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 3/4	67.8	54	27	68	970	2	*1
1.15/16	72.8	66	35	70	1208	2	*2

\*1 C-Ring=C81, Pin/O-Ring=A81/B81  
\*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P110-111

18405M (D) (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
50(D68)	68	66	35	70	890	2	*1
55(D76)	76	66	39	75	1130	2	*1
65(D87)	87	66	38	75	1344	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81  
\*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P110-111

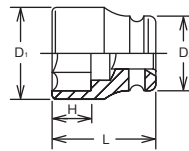
Items in this catalogue marked can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

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.

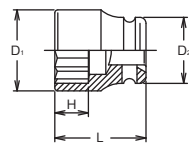
## 18401M / 18401A

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



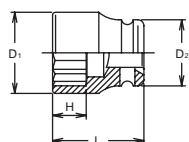
## 18405M / 18405A

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



## 18405M (D)

Sockets for Cardan Shafts  
Steckschlüssel für Gelenkwellen  
Douilles pour arbres à cardan  
No Warranty  
Keine Garantie  
Sans Garantie



# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact



BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

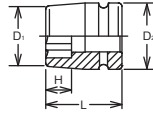
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## 18410M



Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive



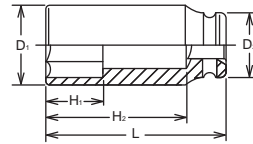
18410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	627	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
36	56.5	54	21	62	712	2	*1
41	62.8	54	25	66	850	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

## 18300M / 18300A



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



18300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
19	35.3	54	19	77	108	1010	2	*1
21	37.8	54	21	77	108	1010	2	*1
22	39	54	22	77	108	1010	2	*1
23	40.3	54	23	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	66	67	-	108	1729	2	*2
50	74	66	66	-	108	1879	2	*2
52	76.5	66	65	-	108	2000	2	*2
55	80.3	66	63	-	108	2088	2	*2
60	86.5	66	60	-	108	2290	2	*2
65	92.8	66	58	-	108	2643	2	*2
70	99	66	55	-	108	2792	1	*2
75	105.3	86	52	-	108	3646	1	*3
80	111.5	86	49	-	108	4039	1	*3
85	117.8	86	59	-	108	4000	1	*3
90	124	86	57	-	108	4200	1	*3
95	130.3	86	55	-	108	4400	1	*3

\*1 C-Ring=C81, Pin/O-Ring=A81/B81

\*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P110-111

\*3 C-Ring=C83, Pin/O-Ring=A83/B83

18300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	17	77	108	978	2	*1
3/4	35.3	54	19	77	108	1010	2	*1
7/8	39	54	22	77	108	1010	2	*1
15/16	41.5	54	24	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	49	54	30	77	108	1179	2	*1
1. 1/4	51.5	54	32	77	108	1200	2	*1
1. 5/16	54	54	34	77	108	1280	2	*1
1. 3/8	55.3	54	35	77	108	1300	2	*1
1. 7/16	57.8	54	37	76	108	1320	2	*1
1. 1/2	59	54	38	76	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	66	67	-	108	1729	2	*2
1.15/16	72.8	66	67	-	108	1799	2	*2
2	75.3	66	66	-	108	1834	2	*2
2. 1/16	76.5	66	65	-	108	2000	2	*2
2. 1/8	79	66	64	-	108	2044	2	*2
2. 3/16	80.3	66	63	-	108	2088	2	*2
2. 1/4	82.8	66	62	-	108	2153	2	*2
2. 5/16	84	66	61	-	108	2225	2	*2
2. 3/8	86.5	66	60	-	108	2290	2	*2
2. 7/16	89	66	59	-	108	2364	2	*2
2. 1/2	91.5	66	58	-	108	2581	2	*2
2. 9/16	92.8	66	58	-	108	2643	2	*2
2. 5/8	95.3	66	56	-	108	2711	1	*2
2. 3/4	99	66	55	-	108	2792	1	*2
2. 7/8	102.8	86	53	-	108	3600	1	*3
2.15/16	105.3	86	52	-	108	3646	1	*3
3	106.5	86	51	-	108	3677	1	*3
3. 1/16	109	86	50	-	108	3939	1	*3
3. 1/8	111.5	86	49	-	108	4039	1	*3
3. 3/16	112.8	86	48	-	108	4170	1	*3

\*1 C-Ring=C81, Pin/O-Ring=A81/B81

\*2 C-Ring=C82, Pin/O-Ring=A82/B82 → P110-111

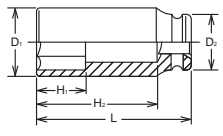
\*3 C-Ring=C83, Pin/O-Ring=A83/B83

18301X (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	53	33	53	85	781	2	*1
35	52.3	53	35	53	85	800	2	*1
36	53.5	53	36	52	85	808	2	*1
38	56	53	38	52	85	865	2	*1
41	59.8	53	38	51	85	937	2	*1
46	66	53	38	50	85	1032	2	*1
50	71	65	55	-	85	1458	2	*2

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111  
\*2 C-Ring=C82, Pin/O-Ring=A82/B82

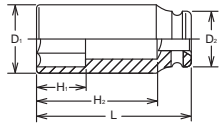
## 18301X

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



## 18301M 18301A

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



18301M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	77	108	692	2	*1
18	31	53	18	77	108	710	2	*1
19	32.3	53	19	77	108	725	2	*1
20	33.5	53	20	77	108	740	2	*1
21	34.8	53	21	77	108	750	2	*1
22	36	53	22	77	108	770	2	*1
23	37.3	53	23	77	108	780	2	*1
24	38.5	53	24	77	108	800	2	*1
26	41	53	26	77	108	830	2	*1
27	42.3	53	27	77	108	860	2	*1
29	44.8	53	29	77	108	880	2	*1
30	46	53	30	77	108	910	2	*1
32	48.5	53	32	77	108	970	2	*1
33	49.8	53	33	77	108	980	2	*1
34	51	53	34	77	108	980	2	*1
35	52.3	53	35	77	108	986	2	*1
36	53.5	53	36	76	108	992	2	*1
38	56	53	38	76	108	1025	2	*1
39	57.3	53	38	76	108	1130	2	*1
41	59.8	53	38	75	108	1213	2	*1
43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	65	38	-	108	1746	2	*2
55	77.3	65	62	-	108	1963	2	*2
60	83.5	65	59	-	108	2220	2	*2
65	89.8	65	56	-	108	2689	2	*2

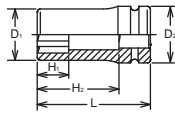
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111  
\*2 C-Ring=C82, Pin/O-Ring=A82/B82

18301A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1	39.8	53	25	77	108	828	2	*1
1. 1/16	42.3	53	27	77	108	860	2	*1
1. 1/8	44.8	53	29	77	108	909	2	*1
1. 3/16	46	53	30	77	108	910	2	*1
1. 1/4	48.5	53	32	77	108	970	2	*1
1. 9/32	49.8	53	33	77	108	997	2	*1
1. 5/16	51	53	34	77	108	1014	2	*1
1. 3/8	52.3	53	35	77	108	986	2	*1
1. 1/2	56	53	38	76	108	1025	2	*1
1. 5/8	59.8	53	38	75	108	1213	2	*1
1.11/16	62.3	53	38	74	108	1285	2	*1
1.13/16	66	53	38	74	108	1400	2	*1
2	72.3	65	65	-	108	1850	2	*2

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111  
\*2 C-Ring=C82, Pin/O-Ring=A82/B82

## 18310M

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



18310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)	
21	37.8	54	21	77	108	1010	2	*1
24	41.5	54	24	77	108	1060	2	*1
27	45.3	54	27	77	108	1125	2	*1
30	49	54	30	77	108	1179	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
36	56.5	54	36	76	108	1280	2	*1
41	62.8	54	38	75	108	1450	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

# Impact Sockets

## Impact Steckschlüssel

### Douilles Impact

# 1"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

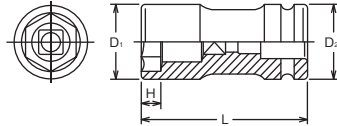
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## 18316M 18316A

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



18316M (mmxmm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
35x17	52	54	10	108	1153	1	*1
38x20	56	54	13	108	1133	1	*1
41x19	59	54	12	108	1200	1	*1
41x21	59	54	15	108	1155	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

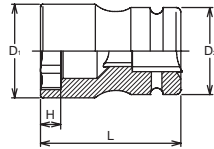
18316A (inchxinch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.1/2x13/16	59	54	13	108	1120	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111



## PW8P PW8P/4

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



PW8P (mmxmm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	
35x17	50	54	12	83		867	2	*1
38x20	55	54	12	83		941	2	*1
41x19	58	54	12.5	87		1033	2	*1
41x20	58	54	12.5	87		1033	2	*1
41x21	58	54	12.5	87		997	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

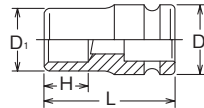
**PW8P/4** 4 Pieces Set/△=4,250g

CARDBOARD BOX:W240xH95xT70mm

Sockets  
**PW8P Impact Rear Wheel Nut Sockets**  
35x17, 38x20, 41x19, 41x21

## 18317M / 18317A

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



18317M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
17	40	54	22.5	72	682	1	*1
17.5	40	54	22.5	72	677	1	*1
19	43	54	22.5	72	705	1	*1
20	45	54	22.5	72	723	1	*1
20.5	45	54	22.5	72	723	1	*1
21	45	54	22.5	72	703	1	*1
22	45	54	22.5	72	696	1	*1

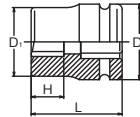
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

18317A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
13/16	45	54	22.5	72	703	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

## PS8

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

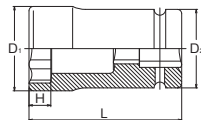


PS8 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
17	40	54	19	60	621	2	*1
19	43	54	19	60	648	2	*1
20	45	54	21	62	687	2	*1
21	45	54	23	64	696	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

## PW8L

Rear Wheel Nut Socket (long)  
Steckschlüssel für Hinterradmuttern, lang  
Douilles spéciales pour écrous de roué arrière longue



PW8L (mmxmm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
41x21	58	54	15	105	1263	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

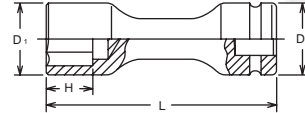
18104M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
28	46.5	54	28	170	1390	1	*1
30	49	54	30	170	1407	1	*1
32	51.5	54	32	170	1537	1	*1
33	52.8	54	33	170	1590	1	*1
34	54	54	34	170	1670	1	*1
36	56.5	54	36	170	1800	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

## 18104M



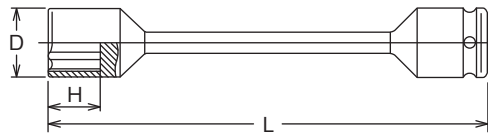
Special Sockets for Spring Clamps  
Steckschlüssel für Federbriden  
Douilles pour brides de ressorts



## 18101M



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



18101M (mm×Nm)	D (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
24×350Nm	43.5	24	300	1380	1	*1
27×350Nm	47	27	300	1401	1	*1
27×450Nm	47	27	300	1579	1	*1
30×500Nm	51	30	300	1563	1	*1
32×450Nm	53.5	32	300	1600	1	*1
32×550Nm	53.5	32	300	1602	1	*1
32×600Nm	53.5	32	300	1602	1	*1
32×700Nm	51.5	32	300	1630	1	*1
33×550Nm	55	33	300	1638	1	*1
33×600Nm	55	33	300	1638	1	*1
36×600Nm	58.5	36	300	1718	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

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

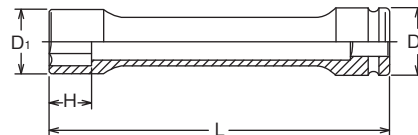
Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/Torsionsstab mittels eines Drehmomentschlüssels.

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)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
23	37.3	54	23	270	1627	1	*1
24	38.5	54	24	270	1628	1	*1
26	41	54	26	270	1667	1	*1
27	42.3	54	27	270	1680	1	*1
29	44.8	54	29	270	1680	1	*1
30	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=C81, Pin/O-Ring=A81/B81 → P110-111

18102M-400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
23	37.3	54	23	400	1865	1	*1
24	38.5	54	24	400	1869	1	*1
26	41	54	26	400	1925	1	*1
27	42.3	54	27	400	2272	1	*1
29	44.8	54	29	400	2278	1	*1
30	46	54	30	400	2266	1	*1
32	48.5	54	32	400	2322	1	*1
33	49.8	54	32	400	2320	1	*1
34	51	54	32	400	2341	1	*1
36	53.5	54	32	400	2442	1	*1
38	56	54	32	400	2550	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

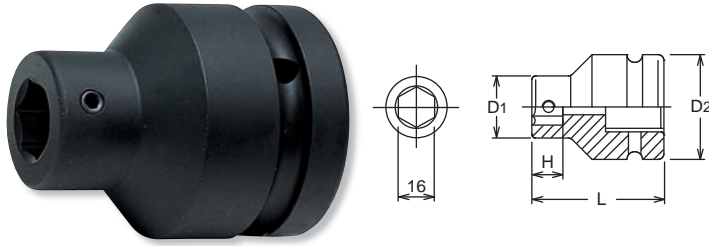
SLEEVE-DRIVE SOCKETS

PROTECTOR

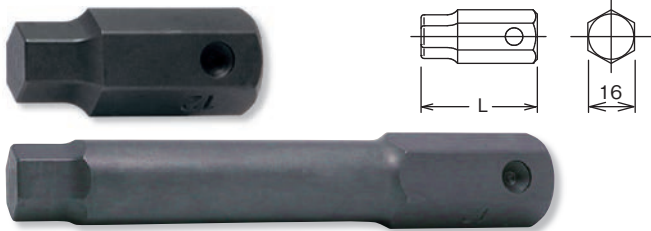
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

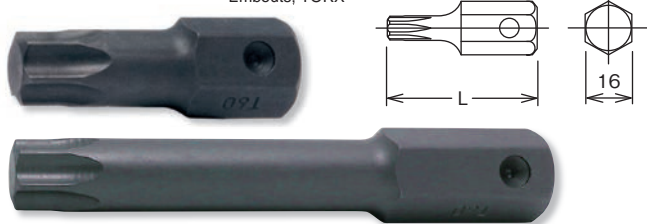
## 18106 Bit Holder Klingenhalter Porte embouts



## 107-16 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans males creux



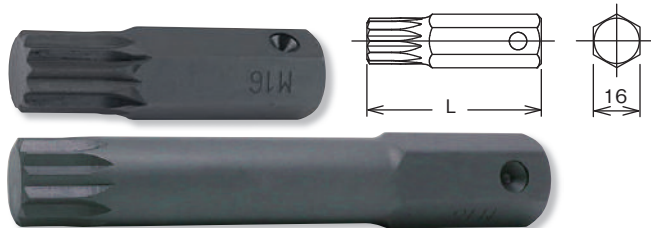
## 107-16 (T) TORX® Bits TORX® Klingen Embouts, TORX®



## 107-16 (IP) TORXPLUS® Bits TORXPLUS® Klingen Embouts TORXPLUS®





## 107-16 (XZN) Bits XZN Klingen XZN Embouts de vissage, XZN



## 18106-16 Bit Holder complete with Bit, Inhex Klingenhalter komplett mit Klinge, Innensechskant Porte embouts avec bit 6-pans creux




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

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
<b>18106</b>	32	54	16	68	640	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

16106-SC

 Replacement Screw : M6x10,  3mm







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


107-16(L100) (mm)	L (mm)	(g)	(pcs.)
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 10	100	118	10
 12	100	141	10
 14	100	163	10
 17	100	185	10
 19	100	228	10
 22	100	293	10

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

107-16(L100) (T)	L (mm)	(g)	(pcs.)
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 T55	100	104	10
 T60	100	123	10
 T70	100	148	10




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

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

107-16(L100) (XZN)	L (mm)	(g)	(pcs.)
-----------------------	-----------	-----	--------

 M14	100	126	10
 M16	100	153	10
 M18	100	173	10

18106-16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
------------------	-----------	-----------	-----------	-----	--------	--

10	54	24	92	686	2	*1
12	54	24	92	692	2	*1
13	54	24	92	696	2	*1
14	54	24	92	700	2	*1
16	54	24	92	709	2	*1
17	54	24	92	713	2	*1
18	54	24	92	718	2	*1
19	54	24	92	764	2	*1
22	54	24	92	781	2	*1

18106-16 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
--------------------	-----------	-----------	-----------	-----	--------	--


1/2	54	24	92	696	2	*1
9/16	54	24	92	700	2	*1
5/8	54	24	92	709	2	*1
3/4	54	24	92	764	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
<b>18107</b>	44	54	22	70	770	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

16107-SC

 Replacement Screw : M8x14, ●4mm

107-22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

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

107-22(L140) (mm)	L (mm)	(g)	(pcs.)
New 17	140	431	5
New 19	140	441	5
New 22	140	460	5
New 24	140	513	5

107-22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

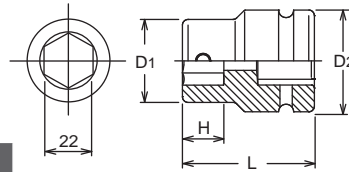
107-22(L140) (T)	L (mm)	(g)	(pcs.)
New T 70	140	395	5
New T 80	140	407	5
New T 90	140	420	5
New T100	140	434	5

18107-22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	54	28	98	910	2	*1
22	54	28	98	932	2	*1
24	54	28	98	946	2	*1
27	54	28	98	986	2	*1
30	54	28	98	1008	2	*1
32	54	28	103	1029	2	*1

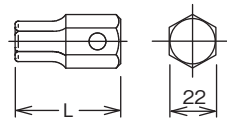
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111



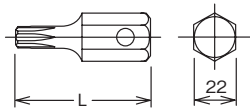
### 18107 Bit Holder Klingenhalter Porte embouts



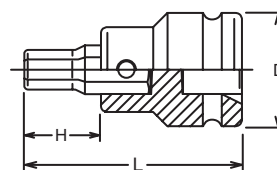
### 107-22 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embout pour vis 6-pans males creux





### 107-22 (T) TORX® Bits TORX® Klingen Embout, TORX®



### 18107-22 Bit Holder complete with Bit, Inhex Klingenhalter komplett mit Klinge, Innensechskant Porte embouts avec bit 6-pans creux



 The items with  have larger output size than 22mm input hex drive.  
Due to this design the Maximum output torque rating is less than standards.

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

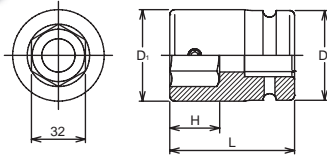
SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## 18108 Bit Holder Klingenhalter Porte embouts



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
<b>New</b> 18108	55	54	30	75	930	2	*1

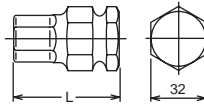
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111


### 18108-SC



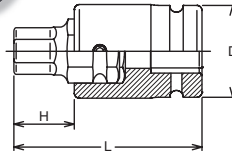
Replacement Screw : M8x12, ● 4mm  
Ersatzschraube : M8x12, ● 4mm  
Vis de remplacement : M8x12, ● 4mm



## 107-32 Bit for Inhex Screws Klingen für Innensechskant-Schrauben Embout 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 

## 18108-32 Bit Holder complete with Bit, Inhex Klingenhalter komplett mit Klinge, Innensechskant Porte embouts avec bit 6-pans creux

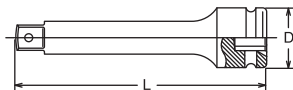



18108-32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
<b>New</b> 19	54	30	105	1230	2	*1
<b>New</b> 22	54	30	105	1250	2	*1
<b>New</b> 24	54	30	105	1260	2	*1
<b>New</b> 27	54	30	105	1290	2	*1
<b>New</b> 30	54	30	105	1320	2	*1
<b>New</b> 32	54	30	105	1340	2	*1
<b>New</b> 36	54	30	105	1390	2	*1 

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

 The items with  have larger output size than 32mm input hex drive.  
Due to this design the Maximum output torque rating is less than DIN/ISO standards.

## 18760 Extension Bars Verlängerungen Rallonges



	D (mm)	L (mm)	(g)	(pce.)	
18760-175	54	175	1400	1	*1
18760-200	54	200	1580	1	*1
18760-250	54	250	1885	1	*1
18760-330	54	330	2380	1	*1

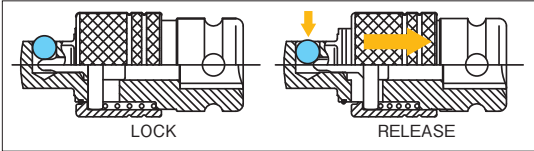
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111



	L (mm)	(g)	(pcs.)	
<b>18888AL</b>	95	980	2	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

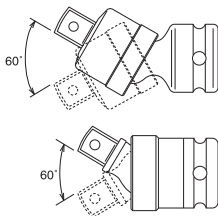
### Lock & Quick Release



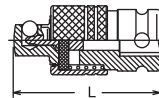
**⚠** You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

	L (mm)	(g)	(pcs.)	
<b>18770</b>	127	1210	1	*1
<b>18771</b>	115	1210	1	*1

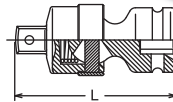
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111



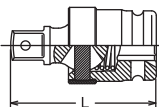
### 18888AL Adaptor (Quick Release) Verbindungsstück (Quick Release) Adaptateur (Quick Release) **⚠**



### 18770 Universal Joint Gelenk-Einsatz Cardan universel



### 18771 Universal Joint Gelenk-Einsatz Cardan universel



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
<b>18866A</b>	1"	3/4"	66.5	580	1	*1
<b>18866A-200</b>	1"	3/4"	200	1100	1	*1

\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

**⚠** 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.

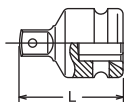
Il est possible d'appliquer aux articles marqués **⚠** des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
<b>18877A</b>	1"	1.1/2"	80	935	1	*1

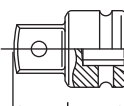
\*1 C-Ring=C81, Pin/O-Ring=A81/B81 → P110-111

### 18866A Adaptors Verbindungsstücke Réducteurs **⚠** No Warranty Keine Garantie Sans Garantie

### 18866A-200 **⚠**

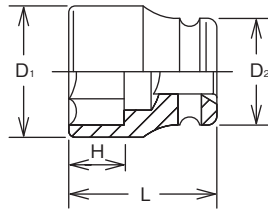


### 18877A Adaptor Verbindungsstück Augmentateur



## 17400M / 17400A

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



17400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
36	62	86	20	77	2126	1	*1
41	68	86	22	80	2346	1	*1
42	70	86	22	80	2330	1	*1
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
52	82	86	38	84	2340	1	*1
54	84	86	38	84	2340	1	*1
55	85	86	44	90	2450	1	*1
58	88	86	44	90	2510	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2
105	146	127	57	120	8000	1	*2
110	153	127	60	124	9200	1	*2
115	160	127	62	128	10700	1	*2
120	166	127	64	132	11200	1	*2
125	173	127	67	136	13000	1	*2
130	180	127	69	140	14200	1	*2
135	186	127	73	145	14940	1	*2
140	190	127	76	150	15600	1	*2
150	200	127	83	160	16500	1	*2

17400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5500	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2
4. 7/8	173	127	67	136	13000	1	*2
5	180	127	69	140	14200	1	*2
5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
6. 1/2	205	127	94	175	17500	1	*2

\*1 C-Ring=C71, Pin/O-Ring=A71/B71  
\*2 Pin/O-Ring=A72/B72



BITS, NUT SETTERS AND ADAPTORS  
 IMPACT SOCKETS  
 SLEEVE-DRIVE SOCKETS  
 PROTECTOR  
 INDUSTRIAL SOCKETS  
 TOOLS FOR CONSTRUCTION SITES

# 1-1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

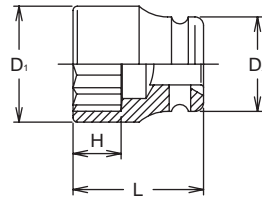
17405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
55	85	86	44	90	2450	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2

17405A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	⚡
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P110-111  
\*2 Pin/O-Ring=A72/B72

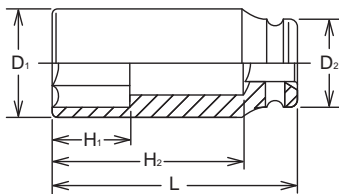
## 17405M / 17405A

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



## 17300M / 17300A

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



17300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pce.)	⚡
36	63	86	26	70.5	115	2800	1	*1
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	135	4370	1	*1
65	97	86	38	99.5	145	5260	1	*1
70	103	86	40	98.5	145	5780	1	*1
75	108	86	42	107.5	155	6580	1	*1
80	115	86	46	115.5	165	7740	1	*1
85	122	86	49	114.5	165	7420	1	*1
90	128	86	52	122.5	175	9630	1	*1
95	135	127	55	121.5	175	10450	1	*2
100	140	127	58	130.5	185	9741	1	*2
105	146	127	62	138.5	195	10850	1	*2
110	153	127	65	137.5	195	11500	1	*2
115	160	127	68	135.5	195	12160	1	*2
120	166	127	72	144.5	205	13680	1	*2
125	173	127	74	142.5	205	14450	1	*2
130	180	127	76	142.5	205	15190	1	*2

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P110-111  
\*2 Pin/O-Ring=A72/B72

17300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pce.)	⚡
1. 5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1. 3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1. 7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	1	*1
2. 1/16	82	86	30	90.5	135	4030	1	*1
2. 1/8	84	86	30	90.5	135	4160	1	*1
2. 3/16	85	86	33	90.5	135	4200	1	*1
2. 1/4	87	86	33	90.5	135	4160	1	*1
2. 3/8	91	86	35	90.5	135	4370	1	*1
2. 7/16	93	86	35	90.5	135	4490	1	*1
2. 1/2	96	86	35	90.5	135	4630	1	*1
2. 9/16	97	86	38	99.5	145	5260	1	*1
2. 5/8	100	86	38	99.5	145	5320	1	*1
2.11/16	101	86	38	99.5	145	5670	1	*1
2. 3/4	103	86	40	98.5	145	5780	1	*1
2.13/16	105	86	40	98.5	145	6000	1	*1
2. 7/8	106	86	40	98.5	145	6080	1	*1
2.15/16	108	86	42	107.5	155	6580	1	*1
3	108	86	42	107.5	155	6850	1	*1
3. 1/8	115	86	46	115.5	165	7740	1	*1
3. 3/4	135	127	55	121.5	175	12200	1	*2
3. 7/8	140	127	56	120.5	175	11080	1	*2

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P110-111  
\*2 Pin/O-Ring=A72/B72

# Impact Sockets Impact Steckschlüssel Douilles Impact

# 1-1/2"

BITTS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

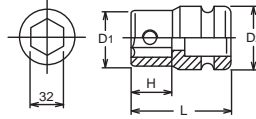
SLEEVE-DRIVE SOCKETS


PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES


## 17108 Bit Holder Klingenhalter Porte-embouts



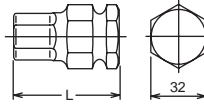
	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
<b>17108</b>	60	86	30	85	2200	1	*1




\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P110-111

### 16107-SC

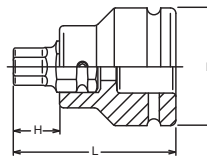
 Replacement Screw : M8x14, ●4mm  
Ersatzschraube : M8x14, ●4mm  
Vis de remplacement : M8x14, ●4mm





## 107-32 Bit for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans mâle creux





107-32 (mm)	L (mm)	 (g)	 (pcs.)
<b>19</b>	60	300	10
<b>22</b>	60	320	10
<b>24</b>	60	330	10
<b>27</b>	60	360	10
<b>30</b>	60	390	10
<b>32</b>	60	410	10
<b>36</b>	60	460	10 

## 17108-32 Bit Holder complete with Bit Klingenhalter, komplett mit Klinge Porte embouts avec bit



17108-32 (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pce.)	
<b>19</b>	86	30	115	2500	1	*1
<b>22</b>	86	30	115	2520	1	*1
<b>24</b>	86	30	115	2530	1	*1
<b>27</b>	86	30	115	2560	1	*1
<b>30</b>	86	30	115	2590	1	*1
<b>32</b>	86	30	115	2610	1	*1
<b>36</b>	86	30	115	2660	1	*1 

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P110-111

 The items with  have larger output size than 32mm input hex drive.  
Due to this design the Maximum output torque rating is less than DIN/ISO standards.



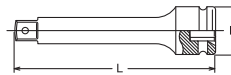
# 1-1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

	D (mm)	L (mm)	(g)	(pce.)	⚡
17760-175	86	175	3300	1	*1
17760-250	86	250	4500	1	*1
17760-330	86	330	5200	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P110-111

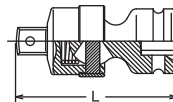
**17760** Extension Bars  
Verlängerungen  
Rallonges



	L (mm)	(g)	(pce.)	⚡
17770	200	4700	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P110-111

**17770** Universal Joint  
Gelenk-Einsatz  
Joint articulé



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
17788A	1.1/2"	1"	98	2600	1	*1

\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P110-111

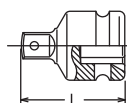
**⚠** Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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.

**17788A** **⚠** Adaptor  
Verbindungsstück  
Réducteur

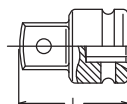
No Warranty  
Keine Garantie  
Sans Garantie



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
17799A	1.1/2"	2.1/2"	115	3790	1	*1

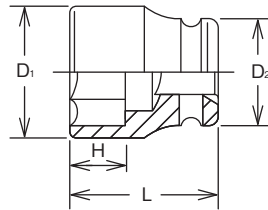
\*1 C-Ring=C71, Pin/O-Ring=A71/B71 → P110-111

**17799A** Adaptor  
Verbindungsstück  
Augmentateur



## 19400M / 19400A

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



19400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
50	88	127	39	115	7270	1	*1
55	94	127	42	115	7350	1	*1
60	100	127	45	125	7870	1	*1
65	105	127	48	125	7790	1	*1
70	110	127	51	125	7640	1	*1
75	118	127	54	125	7740	1	*1
80	124	127	57	125	7640	1	*1
85	127	127	61	132	7840	1	*1
90	135	127	64	132	8500	1	*1
95	140	127	71	140	10160	1	*1
100	146	127	71	142	11500	1	*1
105	155	127	74	146	11350	1	*1
110	160	127	76	155	12710	1	*1
115	167	127	78	158	13980	1	*1
120	175	175	79	160	15430	1	*2
125	180	175	82	165	16590	1	*2
130	185	175	85	169	17590	1	*2
135	190	175	89	175	19030	1	*2
140	200	175	93	180	21810	1	*2
145	205	175	95	183	24440	1	*2
150	210	175	97	192	25720	1	*2
160	225	175	102	200	30920	1	*2
165	230	175	105	204	32610	1	*2
170	235	175	106	207	34390	1	*2
175	240	175	109	211	36210	1	*2
180	250	175	110	214	40630	1	*2
185	255	175	113	218	42690	1	*2
190	265	175	113	220	47440	1	*2
200	275	175	116	225	51550	1	*2
210	285	175	123	235	57170	1	*2
215	290	175	126	240	60260	1	*2
225	305	175	133	250	70180	1	*2
235	315	175	140	260	77060	1	*2

19400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
2. 1/8	92	127	41	115	6665	1	*1
2. 3/8	100	127	45	125	7870	1	*1
2. 7/16	102	127	46	125	7840	1	*1
2. 1/2	103	127	47	125	7810	1	*1
2. 9/16	105	127	48	125	7790	1	*1
2. 5/8	107	127	49	125	7790	1	*1
2.11/16	108	127	50	125	7790	1	*1
2. 3/4	110	127	51	125	7640	1	*1
2.13/16	113	127	52	125	7690	1	*1
2. 7/8	115	127	53	125	7730	1	*1
2.15/16	118	127	54	125	7740	1	*1
3	120	127	55	125	7740	1	*1
3. 1/8	124	127	57	125	7640	1	*1
3. 1/4	125	127	59	125	7740	1	*1
3. 3/8	127	127	61	132	7840	1	*1
3. 1/2	135	127	64	132	8500	1	*1
3. 5/8	138	127	64	132	9330	1	*1
3. 3/4	140	127	71	140	10160	1	*1
3. 7/8	143	127	70	140	10830	1	*1
4	146	127	71	142	11500	1	*1
4. 1/8	155	127	70	142	11250	1	*1
4. 1/4	160	127	76	155	12710	1	*1
4. 3/8	163	127	76	155	13100	1	*1
4. 1/2	167	127	78	158	13980	1	*1
4. 5/8	175	175	79	160	15430	1	*2
4. 7/8	180	175	82	165	16590	1	*2
5	183	175	81	165	17090	1	*2
5. 1/4	190	175	89	175	19030	1	*2
5. 3/8	198	175	94	180	20880	1	*2
5. 1/2	200	175	93	180	21810	1	*2
5. 5/8	203	175	94	182	22480	1	*2
5. 3/4	207	175	103	192	24440	1	*2
6	217	175	100	196	28510	1	*2
6. 1/8	218	175	99	196	29720	1	*2
6. 5/8	233	175	105	205	33500	1	*2
7	248	175	110	213	39160	1	*2

\*1 Pin/O-Ring=A91/B91  
\*2 Pin/O-Ring=A92/B92



BITS, NUT SETTERS AND ADAPTORS  
 IMPACT SOCKETS  
 SLEEVE-DRIVE SOCKETS  
 PROTECTOR  
 INDUSTRIAL SOCKETS  
 TOOLS FOR CONSTRUCTION SITES

# 2-1/2"

Impact Sockets  
Impact Steckschlüssel  
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

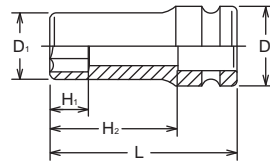
TOOLS FOR CONSTRUCTION SITES

19300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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=A91/B91 → P111  
\*2 Pin/O-Ring=A92/B92

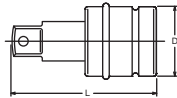
## 19300M

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



	D (mm)	L (mm)	(g)	(pce.)	⚡
19760-250	127	250	17800	1	*1
19760-500	127	500	27800	1	*1

\*1 Pin/O-Ring=A91/B91 → P111



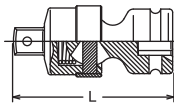
## 19760

Extension Bars  
Verlängerungen  
Rallonges



	L (mm)	(g)	(pce.)	⚡
19770	303	21360	1	*1

\*1 Pin/O-Ring=A91/B91 → P111



## 19770

Universal Joint  
Gelenk-Einsatz  
Joint articulé



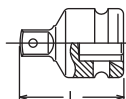
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	⚡
19977A	2.1/2"	1.1/2"	145	7210	1	*1

\*1 Pin/O-Ring=A91/B91 → P111

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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.



## 19977A

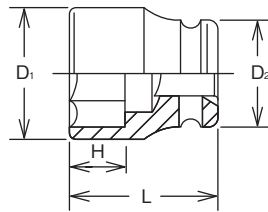
Adaptor  
Verbindungsstück  
Réducteur

No Warranty  
Keine Garantie  
Sans Garantie ⚠



## 10400M / 10400A

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



10400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	200	106	207	29600	1	*2
150	215	200	109	212	31240	1	*2
160	228	200	114	220	35500	1	*2
165	235	200	117	224	37940	1	*2
170	240	200	118	227	39660	1	*2
175	245	200	121	231	41400	1	*2
180	255	200	122	234	45740	1	*2
185	265	200	125	238	50350	1	*2
190	275	200	125	239	54650	1	*2
200	285	200	128	245	59190	1	*2
210	295	200	135	255	64970	1	*2
215	300	200	138	260	68150	1	*2

10400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pce.)	
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123	236	48400	1	*2
7.3/8	269	200	124	238	52500	1	*2
7.1/2	275	200	125	240	55350	1	*2
7.5/8	278	200	127	242	56050	1	*2
7.3/4	282	200	129	245	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

\*1 Pin/O-Ring=A01/B01

➔ P111

\*2 Pin/O-Ring=A02/B02

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
10099A	3.1/2"	2.1/2"	182	16870	1	*1

\*1 Pin/O-Ring=A01/B01

➔ P111

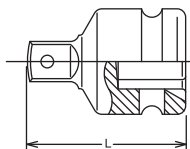
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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.

## 10099A

Adaptor  
Verbindungsstück  
Réducteur





# SLEEVE-DRIVE SOCKETS

## SLEEVE-DRIVE STECKSCHLÜSSEL

### DOUILLES, SLEEVE DRIVE

3/8"

1/2"

3/4"



Sleeve-Drive Sockets  
 Sleeve-Drive Steckschlüssel  
 Douilles, Sleeve Drive



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.

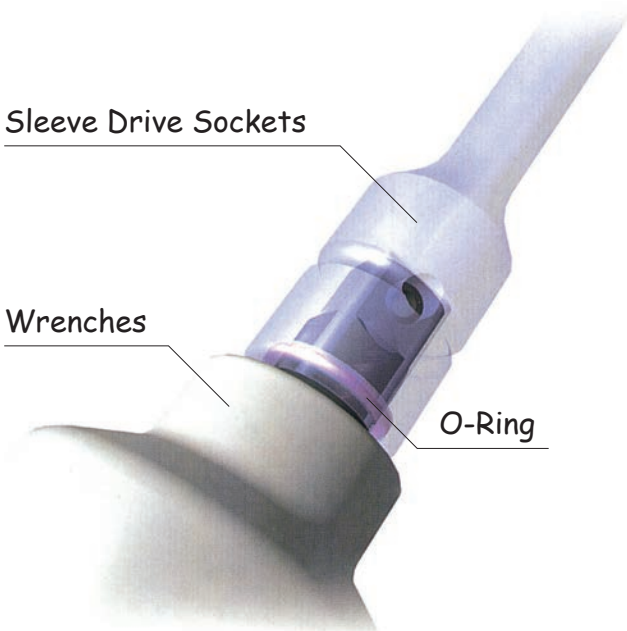
Der **Sleeve-Drive** Vierkant-Antrieb vermeidet durch die vertiefte Passung den "Wackelkontakt" zwischen Maschine - Verlängerung - Steckschlüssel. Ein im **Antriebsende der Sleeve-Drive-Steckschlüssel** eingesetzter Ring optimiert den festen Sitz der Verlängerungen und Steckschlüssel auf der Schrauberspindel 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 Sockets

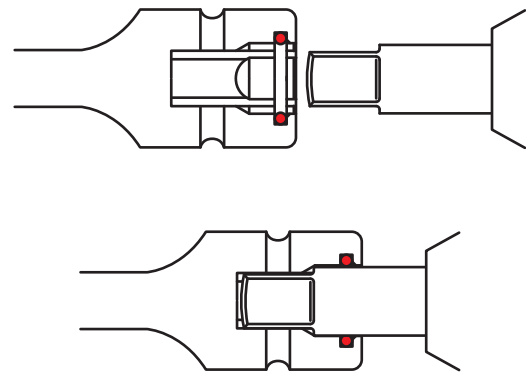
Wrenches

O-Ring



SLEEVE DRIVE SOCKET

PULSE TOOL

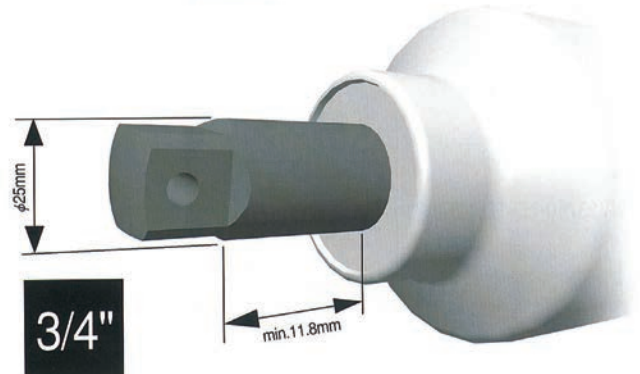
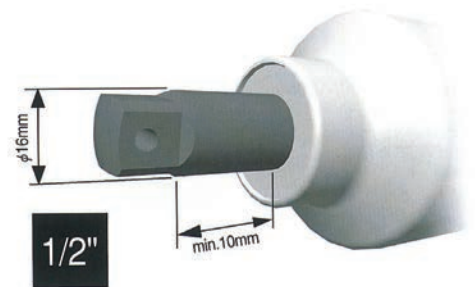
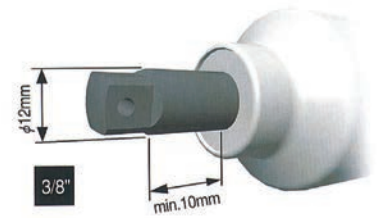


The "**Sleeve Drive**" Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

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 placées 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



# 3/8"

Sleeve-Drive Sockets  
Sleeve-Drive Steckschlüssel  
Douilles, Sleeve Drive

NV13400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	43	53	10	*1
10	15.8	19	7	43	53	10	*1
11	17	19	8	43	54	10	*1
12	18.3	19	9	43	55	10	*1
13	19.5	22	10	43	80	10	*2
14	20.8	22	10	43	80	10	*2
15	22	22	11	43	81	10	*2
16	23.3	22	11	43	83	10	*2
17	24.5	22	11	43	85	10	*2
18	25.8	22	11	43	89	10	*2
19	27	22	11	43	98	10	*2
21	29.5	22	11	43	105	10	*2
22	30.8	22	11	43	112	10	*2

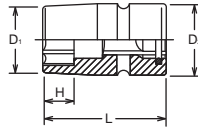
\*1 C-Ring=C31, Pin/O-Ring=A31/B31

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

→ P110-111

## NV13400

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



NV13145-100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	100	108	10	*1
8	13	19	8	100	110	10	*1
10	15.5	19	10	100	112	10	*1
12	18	19	12	100	120	10	*1
13	19	19	13	100	127	10	*1
14	21	19	14	100	131	10	*1
15	22	19	15	100	133	10	*1
16	24	19	15	100	144	10	*1
17	25	19	15	100	154	10	*1

NV13145-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (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

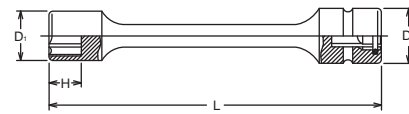
NV13145-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	200	210	10	*1
8	13	19	8	200	210	10	*1
10	15.5	19	10	200	212	10	*1
12	18	19	12	200	214	10	*1
13	19	19	13	200	218	10	*1
14	21	19	14	200	220	10	*1
15	22	19	15	200	226	10	*1
16	24	19	15	200	235	10	*1
17	25	19	15	200	250	10	*1

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

→ P110-111

## NV13145-100 / -150 / -200

Extended Sockets  
Schaftsteckschlüssel  
Douilles rallongées



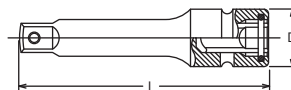
	D (mm)	L (mm)	(g)	(pcs.)	
NV13760-75P	19	75	95	10	*1
NV13760-125P	19	125	125	10	*1
NV13760-150P	19	150	150	10	*1
NV13760-250P	19	250	255	10	*1

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

→ P110-111

## NV13760-P

Extension Bars  
Verlängerungen  
Rallonges



BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

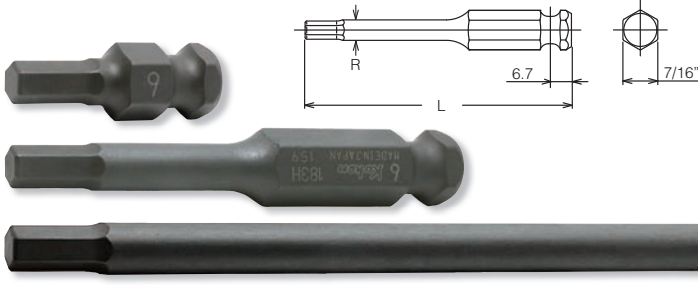
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

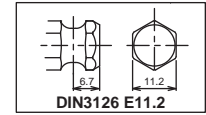
BITS, NUT SETTERS AND ADAPTORS  
IMPACT SOCKETS  
SLEEVE-DRIVE SOCKETS  
PROTECTOR  
INDUSTRIAL SOCKETS  
TOOLS FOR CONSTRUCTION SITES

## 183H-35 / -75 / -150

Hex Bits  
Sechskant Bits  
Embouts, 6 pans creux



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



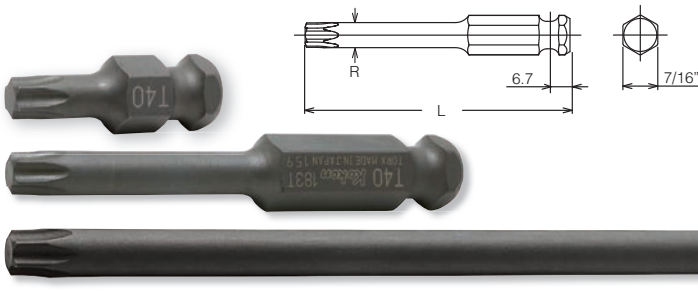
183H-35 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	15	10
5	35	15	10
6	35	18	10
7	35	19	10
8	35	20	10
New 9	35	23	10
10	35	26	10
11	35	28	10
12	35	30	10
14	35	35	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

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

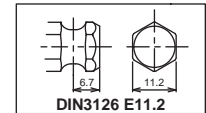
183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)
4	150	6	51	10
5	150	6.5	55	10
6	150	7.5	65	10
8	150	9.5	87	10
10	150	-	118	10
12	150	-	136	10

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

TORX® Bits  
TORX® Bits  
Embouts, TORX®



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

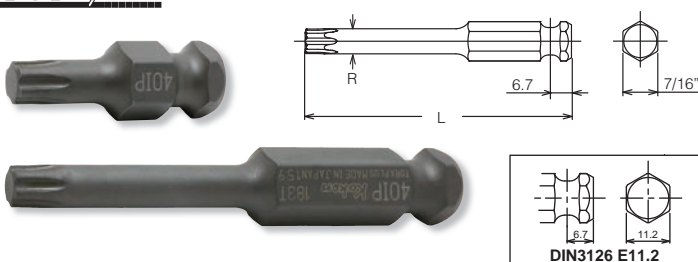


183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10

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

## 183T-35 / -75 (IP)

TORPLUS® Bits  
TORPLUS® Bits  
Embouts TORPLUS®



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

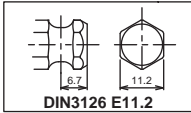
183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10

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

# 3/8", 1/2"

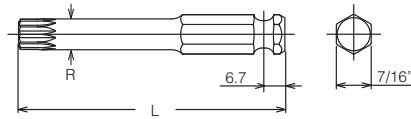
Sleeve-Drive Sockets  
Sleeve-Drive Steckschlüssel  
Douilles, Sleeve Drive

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



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

XZN Bits  
XZN Bits  
Embouts, XZN



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

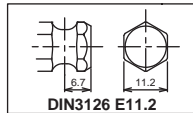
183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10

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

	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV13134	24	22	15	45	100	5	*2

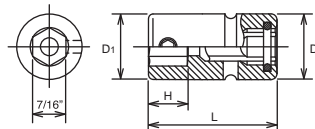
\*2 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts



13134-SC

Replacement Screw : M8x6, ● 4mm



## NV13134

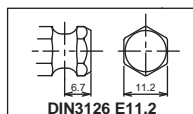
Bit Holder  
Klingenhalter  
Porte-embouts



	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV14134	24	25	15	55	130	5	*1

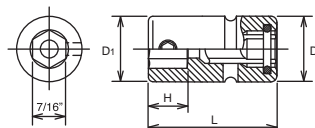
\*1 C-Ring=C41, Pin/O-Ring=A41/B41 → P110-111

For DIN3126 E11.2 Bits  
Für DIN3126 E11.2 Bits  
Pour DIN3126 E11.2 Embouts



13134-SC

Replacement Screw : M8x6, ● 4mm



## NV14134

Bit Holder  
Klingenhalter  
Porte-embouts



BITS, NUT SETTERS AND ADAPTORS  
IMPACT SOCKETS  
SLEEVE-DRIVE SOCKETS  
PROTECTOR  
INDUSTRIAL SOCKETS  
TOOLS FOR CONSTRUCTION SITES

# Sleeve-Drive Sockets Sleeve-Drive Steckschlüssel Douilles, Sleeve Drive

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

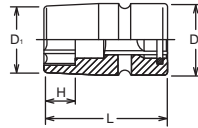
SLEEVE-DRIVE SOCKETS




PROTECTOR


INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

## NV14400 6-point Sockets 6-kant Steckschlüssel Douilles 6-pans









NV14400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (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=C41, Pin/O-Ring=A41/B41  P110-111  
\*2 C-Ring=C42, Pin/O-Ring=A42/B42

## NV14145-100 / -150 / -200 Extended Sockets Schafsteckschlüssel Douilles rallongées



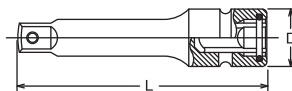
NV14145-100 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
10	15.5	25	10	100	161	1	*1
12	18	25	12	100	178	1	*1
13	19	25	13	100	175	1	*1
14	21	25	14	100	181	1	*1
15	22	25	15	100	185	1	*1
16	24	25	15	100	193	1	*1
17	25	25	15	100	201	1	*1
18	26	25	15	100	211	1	*1
19	28	25	15	100	221	1	*1




NV14145-150 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
10	15.5	25	10	150	200	1	*1
12	18	25	12	150	215	1	*1
13	19	25	13	150	220	1	*1
14	21	25	14	150	225	1	*1
15	22	25	15	150	230	1	*1
16	24	25	15	150	240	1	*1
17	25	25	15	150	250	1	*1
18	26	25	15	150	262	1	*1
19	28	25	15	150	275	1	*1

NV14145-200 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
10	15.5	25	10	200	236	1	*1
12	18	25	12	200	250	1	*1
13	19	25	13	200	260	1	*1
14	21	25	14	200	270	1	*1
15	22	25	15	200	275	1	*1
16	24	25	15	200	287	1	*1
17	25	25	15	200	300	1	*1
18	26	25	15	200	310	1	*1
19	28	25	15	200	320	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  P110-111

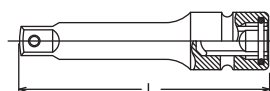
## NV14760-P Extension Bars Verlängerungen Rallonges








	D (mm)	L (mm)	 (g)	 (pcs.)	
NV14760-75P	25	75	149	10	*1
NV14760-125P	25	125	230	10	*1
NV14760-175P	25	175	308	10	*1
NV14760-250P	25	250	422	10	*1


\*1 C-Ring=C41, Pin/O-Ring=A41/B41  P110-111


## NV14433A-P Adaptors Verbindungsstücke Réducteurs No Warranty Keine Garantie Sans Garantie




	 (mm)	 (mm)	L (mm)	 (g)	 (pcs.)	
NV14433A-75P	1/2"	3/8"	75	120	1	*1
NV14433A-100P	1/2"	3/8"	100	145	1	*1
NV14433A-150P	1/2"	3/8"	150	187	1	*1

\*1 C-Ring=C41, Pin/O-Ring=A41/B41  P110-111

 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.

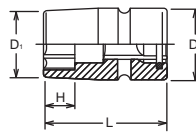
# 3/4"

Sleeve-Drive Sockets  
Sleeve-Drive Steckschlüssel  
Douilles, Sleeve Drive

NV16400 (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	68	483	5	*1
29	45	44	18	68	464	5	*1
30	46.3	44	18	68	492	5	*1
32	48.8	44	19	70	514	5	*1
33	50	44	20	70	564	5	*1
34	51.3	44	20	70	588	5	*1
35	52.5	44	20	70	593	5	*1
36	53.8	44	20	70	598	5	*1
38	56.3	44	20	72	670	2	*1
41	60	44	22	72	687	2	*1
46	66.3	44	23	77	906	2	*1
50	69	44	23	77	1116	2	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111

**NV16400**  6-point Sockets  
6-kant Steckschlüssel  
Douilles 6-pans

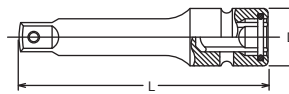


**NV16760** Extension Bars  
Verlängerungen  
Rallonges



	D (mm)	L (mm)	(g)	(pcs.)	
NV16760-175	44	175	870	1	*1
NV16760-250	44	250	1160	1	*1
NV16760-330	44	330	1460	1	*1

\*1 C-Ring=C61, Pin/O-Ring=A61/B61 → P110-111



BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

C-Ring Lock Clamps and Pullers  
Sicherungsklemmen und Abzieher  
Crochets de sécurité et extracteurs

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

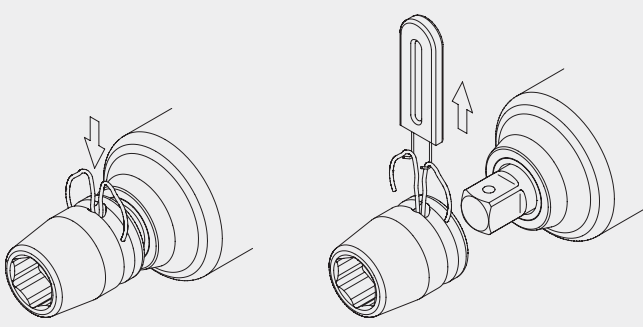
TOOLS FOR CONSTRUCTION SITES



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.

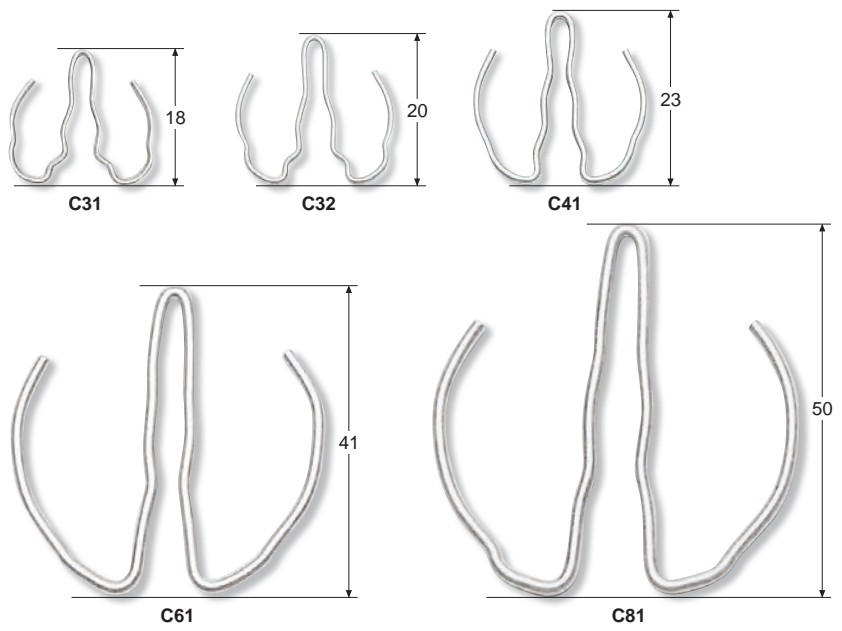
Aus starkem Federstahl, in einem Stück. Bequem, mit einem Fingerdruck einzusetzen und mit dem Auszieher zu lösen. Einfacher und sicherer als die Kombination Stift und Ring.

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.
C31	3/8"	≤ 12	100
C32	3/8"	> 12	100
C41	1/2"	≤ 14	100
C42	1/2"	> 14	100
C61	3/4"	≤ 46	100
C81	1"	≤ 46	100
C82	1"	47-70	50
C83	1"	> 70	50
C71	1-1/2"	≤ 90	50



C-Ring Set

Set No.	□	C-Ring 10pcs.	Puller 1pce.
PKC31	3/8"	C31 + 149	
PKC32	3/8"	C32 + 149	
PKC41	1/2"	C41 + 149	
PKC42	1/2"	C42 + 149	
PKC61	3/4"	C61 + 152	
PKC81	1"	C81 + 152	

Puller

No.	□	□	pcs.
149	3/8"	1/2"	10
152	3/4"	1"	10

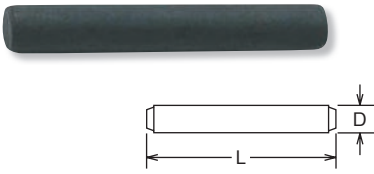


149



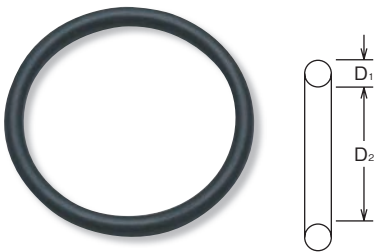
152





### Pin

No.	□	Opening (mm)	D (mm)	L (mm)	(pcs.)
A21	1/4"		1.5	10.2	100
A31	3/8"	≤ 12	2.5	14.5	100
A32	3/8"	> 12	2.5	17.5	100
A41	1/2"	≤ 14	3	20	100
A42	1/2"	> 14	3	25	100
A51	5/8"		4	29	100
A61	3/4"	≤ 46	4	35	100
A62	3/4"	> 46	4	45	100
A81	1"	≤ 46	5	45	100
A82	1"	47-70	5	57	50
A83	1"	> 70	5	75	50
A71	1-1/2"	≤ 90	6	75	50
A72	1-1/2"	> 90	6	110	50
A91	2-1/2"	≤ 115	8	110	50
A92	2-1/2"	> 115	8	155	50
A01	3-1/2"	≤ 140	13	155	1
A02	3-1/2"	> 140	13	180	1



### O-Ring

No.	□	Opening (mm)	D1 (mm)	D2 (mm)	(pcs.)
B21	1/4"		2.5	9	100
B31	3/8"	≤ 12	3.5	13	100
B32	3/8"	> 12	3.5	16	100
B41	1/2"	≤ 14	4	19	100
B42	1/2"	> 14	4	24	100
B51	5/8"		5	28	100
B61	3/4"	≤ 46	5	36	100
B62	3/4"	> 46	5	45	100
B81	1"	≤ 46	7	45	100
B82	1"	47-70	7	57	50
B83	1"	> 70	7	75	50
B71	1-1/2"	≤ 90	10	75	50
B72	1-1/2"	> 90	10	114	50
B91	2-1/2"	≤ 115	10.5	114	50
B92	2-1/2"	> 115	10.5	158	50
B01	3-1/2"	≤ 140	15	158	1
B02	3-1/2"	> 140	15	183	1

### RSAL200 RSAL300

Magnetic Rail with retaining clips  
Magnetschiene mit Halteklammern  
Rail à aimant avec clips de maintien



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

RSAL300	□	RAIL (mm)	CLIP (pcs.)	(g)	(pce.)
3/8x12	3/8"	300	12	180	1
1/2x10	1/2"	300	10	190	1



### RSAL CLIP.P/5

Magnetic Rails and retaining Clips, bulk  
Magnetschiene und Halteklammern, lose  
Rail à aimant avec clips de maintien, en vrac



### RAIL

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

### CLIP

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

Pins & O Rings/C-Ring Lock Clamps  
 Halteringe und Stifte/Sicherungsklemmen  
 Goupilles et joncs/Crochets de sécurité

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

IMPACT Standard Sockets size	Sq. Dr. C-Ring Pin/O-Ring	1/4"	3/8"		1/2"		3/4"		1"			1-1/2"	
			C31	C32	C41	C42	C61	C81	C81	C82	C83	C71	
		A21/B21	A31/B31	A32/B32	A41/B41	A42/B42	A61/B61	A62/62	A81/B81	A82/B82	A83/B83	A71/B71	A72/B72
4		●											
4.5	3/16	●											
5		●											
5.5		●											
6	1/4	●	●		●								
7	9/32	●	●		●								
8	5/16	●	●		●								
9	11/32	●	●		●								
10	3/8	●	●		●								
11	7/16	●	●		●								
12		●	●		●								
13	1/2	●		●	●								
14	9/16	●		●	●		●						
15				●	●		●						
16	5/8			●	●		●						
17	11/16			●	●		●		●				
18				●	●		●		●				
19	3/4			●	●		●		●				
20				●	●		●		●				
21	13/16			●	●		●		●				
22	7/8			●	●		●		●				
23				●	●		●		●				
24	15/16			●	●		●		●				
25	1				●		●		●				
26					●		●		●				
27	1- 1/16				●		●		●				
28					●		●		●				
29	1- 1/8				●		●		●				
30	1- 3/16				●		●		●				
31					●		●		●				
32	1- 1/4				●		●		●				
33	1- 5/16				●		●		●				
34	1- 3/8				●		●		●				
36					●		●		●			●	
37	1- 7/16				●		●		●			●	
38	1- 1/2				●		●		●			●	
39					●		●		●			●	
40	1- 9/16				●		●		●			●	
41	1- 5/8				●		●		●			●	
42					●		●		●			●	
43	1- 11/16				●		●		●			●	
44					●		●		●			●	
45	1- 3/4				●		●		●			●	
46	1- 13/16				●		●		●			●	
47					●		●		●		●	●	
48	1- 7/8				●		●		●		●	●	
	1- 15/16				●		●		●		●	●	
50					●		●		●		●	●	
	2				●		●		●		●	●	
52	2- 1/16				●		●		●		●	●	
54	2- 1/8				●		●		●		●	●	
55	2- 3/16				●		●		●		●	●	
56					●		●		●		●	●	
	2- 1/4				●		●		●		●	●	
58	2- 5/16				●		●		●		●	●	
60	2- 3/8				●		●		●		●	●	
62	2- 7/16				●		●		●		●	●	
63					●		●		●		●	●	
	2- 1/2				●		●		●		●	●	
65	2- 9/16				●		●		●		●	●	
67	2- 5/8				●		●		●		●	●	
68	2- 11/16				●		●		●		●	●	
70	2- 3/4				●		●		●		●	●	
	2- 13/16				●		●		●		●	●	
	2- 7/8				●		●		●		●	●	
75	2- 15/16				●		●		●		●	●	
	3				●		●		●		●	●	
	3- 1/16				●		●		●		●	●	
80	3- 1/8				●		●		●		●	●	
	3- 1/4				●		●		●		●	●	
85					●		●		●		●	●	
	3- 3/8				●		●		●		●	●	
90	3- 1/2				●		●		●		●	●	
	3- 5/8				●		●		●		●	●	
95	3- 3/4				●		●		●		●	●	
100	3- 7/8				●		●		●		●	●	●
105	4				●		●		●		●	●	●
	4- 1/8				●		●		●		●	●	●
110	4- 1/4				●		●		●		●	●	●
115	4- 1/2				●		●		●		●	●	●
120	4- 5/8				●		●		●		●	●	●
	4- 3/4				●		●		●		●	●	●
125	4- 7/8				●		●		●		●	●	●
130	5				●		●		●		●	●	●
135	5- 1/4				●		●		●		●	●	●
140					●		●		●		●	●	●
150					●		●		●		●	●	●
	6				●		●		●		●	●	●
	6- 1/2				●		●		●		●	●	●

**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.

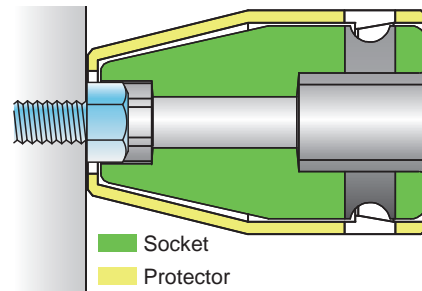


**Scratch proof**

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.



BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

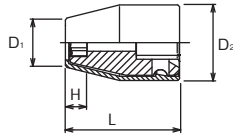
TOOLS FOR CONSTRUCTION SITES

13400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)
8FR	15.7	22	6	33.3	40
10FR	18.2	22	7	33.3	40
12FR	20.8	22	9	33.3	43
13FR	21.8	25	10	33.3	56
14FR	23.6	25	10	33.3	56
16FR	26.1	25	11	33.3	57
17FR	27.3	25	12	33.3	60



## 13400M-FR

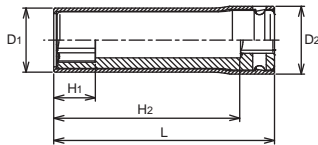
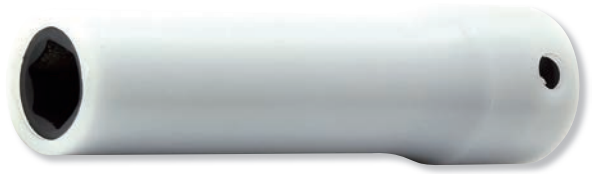
6-point Sockets  
6-kant Steckschlüssel  
Douilles 6-pans



13300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)
New 8FR	16.1	22	9	67.5	81.3	87
New 10FR	18.6	22	11	67.5	81.3	99
New 12FR	21.1	22	13	67.5	81.3	116
New 13FR	22.3	25	14	67.5	81.3	143
New 14FR	23.6	25	15	67.5	81.3	153
New 16FR	26	25	17	66.5	81.3	161
New 17FR	27.2	25	18	66.5	81.3	173

## 13300M-FR

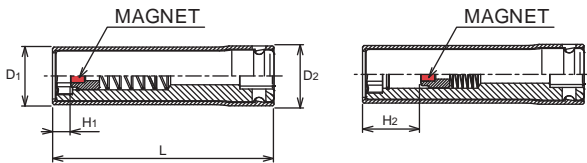
6-point Sockets, deep  
6-kant Steckschlüssel, lang  
Douilles longues, 6-pans



13300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)
New 8FR	16.1	22	5	27.5	81.3	87
New 10FR	18.6	22	5.5	27	81.3	110
New 12FR	21.1	22	7	27	81.3	141
New 13FR	22.3	25	7.5	26	81.3	170
New 14FR	23.6	25	8	25	81.3	191
New 16FR	26	25	8.5	28	81.3	215
New 17FR	27.2	25	9	28	81.3	225

## 13300G-FR

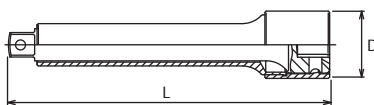
Impact Socket with Sliding Magnet  
Impact Steckschlüssel mit versenkbarem Magnet  
Douilles Impact avec aimant, glissant pour écrous



	D (mm)	L (mm)	(g)
13760-75P.FR	26.2	75	100
13760-125P.FR	26.2	125	145
13760-250P.FR	26.2	250	220

## 13760-P.FR

Extension Bars  
Verlängerungen  
Rallonges



The Protectors could be broken with any Impacts. Please handle with care.  
Die Protektoren können bei Stößen brechen, bitte arbeiten Sie mit Vorsicht.  
Les protecteurs peuvent se briser en cas de choc, veuillez travailler avec prudence.


Protector  
 Protektorehülsen  
 Protections

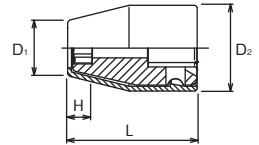
# 1/2"

BITS, NUT SETTERS AND ADAPTORS

**14400M-FR**  6-point Sockets  
 6-kant Steckschlüssel  
 Douilles 6-pans 

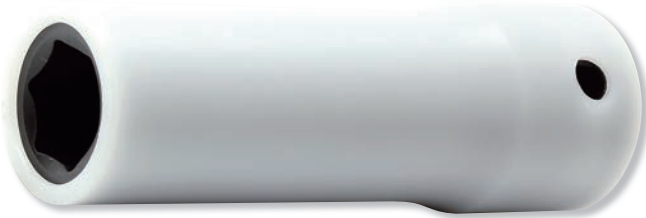



14400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	 (g)
<b>10FR</b>	19.5	28	7	39.3	90
<b>12FR</b>	22	28	9	39.3	90
<b>13FR</b>	23.2	28	10	39.3	90
<b>14FR</b>	24.8	28	11	39.3	90
<b>16FR</b>	27	33	10	39.3	135
<b>17FR</b>	28.2	33	12	39.3	135
<b>19FR</b>	31	33	13	39.3	130

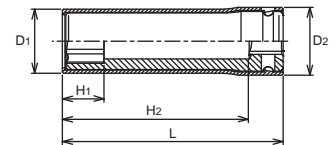


IMPACT SOCKETS




**14300M-FR**  6-point Sockets, deep  
 6-kant Steckschlüssel, lang  
 Douilles longues, 6-pans 

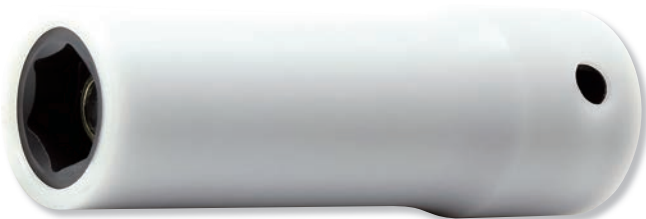



14300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	 (g)
<b>10FR</b>	19.8	28	11	63	81.3	145
<b>12FR</b>	22.3	28	13	63	81.3	167
<b>13FR</b>	23.5	28	14	63	81.3	167
<b>14FR</b>	24.8	28	15	63	81.3	179
<b>16FR</b>	27.3	33	17	63	81.3	237
<b>17FR</b>	28.5	33	18	63	81.3	237
<b>19FR</b>	31	33	20	62	81.3	245

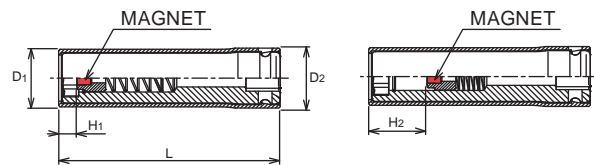


SLEEVE-DRIVE SOCKETS

**14300G-FR**  Impact Socket with Sliding Magnet  
 Impact Steckschlüssel mit versenkbarem Magnet  
 Douilles Impact avec aimant, glissant pour écrous  



14300G (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	 (g)
<b>10FR</b>	19.8	28	5.5	27	81.3	145
<b>12FR</b>	22.3	28	7	27	81.3	170
<b>13FR</b>	23.5	28	7.5	26	81.3	190
<b>14FR</b>	24.8	28	8	25	81.3	194
<b>16FR</b>	27.3	33	8.5	27.5	81.3	275
<b>17FR</b>	28.5	33	9	27.5	81.3	277
<b>19FR</b>	31	33	10	28.5	81.3	313




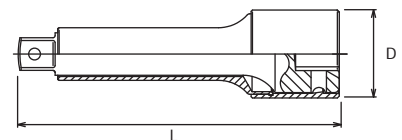
PROTECTOR

INDUSTRIAL SOCKETS


**14760-P.FR** Extension Bars  
 Verlängerungen  
 Rallonges 





	D (mm)	L (mm)	 (g)
<b>14760-75P.FR</b>	34.2	75	195
<b>14760-125P.FR</b>	34.2	125	280
<b>14760-250P.FR</b>	34.2	250	480

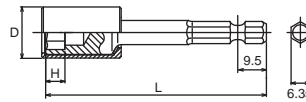



TOOLS FOR CONSTRUCTION SITES


 The Protectors could be broken with any Impacts. Please handle with care.  
 Die Protektoren können bei Stößen brechen, bitte arbeiten Sie mit Vorsicht.  
 Les protecteurs peuvent se briser en cas de choc, veuillez travailler avec prudence.


### 113-75SV / -100SV / -150SV


 Nut Setters  
 Steckschlüssel Klingen  
 Embouts pour écrous 





113-75 (mm)	D (mm)	H (mm)	L (mm)	 (g)
<b>8SV</b>	15.1	6	75	34
<b>10SV</b>	16.9	7	75	37
<b>12SV</b>	19.4	8	75	44
<b>13SV</b>	20.4	8	75	45
<b>New 14SV</b>	21.3	9	75	45

113-100 (mm)	D (mm)	H (mm)	L (mm)	 (g)
<b>8SV</b>	15.1	6	100	43
<b>10SV</b>	16.9	7	100	47
<b>12SV</b>	19.4	8	100	54
<b>13SV</b>	20.4	8	100	55
<b>New 14SV</b>	21.3	9	100	55




113-150 (mm)	D (mm)	H (mm)	L (mm)	 (g)
<b>8SV</b>	15.1	6	150	62
<b>10SV</b>	16.9	7	150	66
<b>12SV</b>	19.4	8	150	72
<b>13SV</b>	20.4	8	150	80
<b>New 14SV</b>	21.3	9	150	80

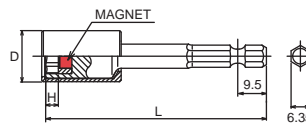
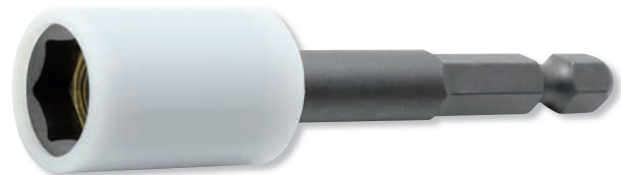
115-75 (mm)	D (mm)	H (mm)	L (mm)	 (g)
<b>8SV</b>	15.1	3.5	75	35
<b>10SV</b>	16.9	4.2	75	40
<b>12SV</b>	19.4	5.6	75	48
<b>13SV</b>	20.4	6	75	54
<b>New 14SV</b>	21.3	6.4	75	54

115-100 (mm)	D (mm)	H (mm)	L (mm)	 (g)
<b>8SV</b>	15.1	3.5	100	44
<b>10SV</b>	16.9	4.2	100	52
<b>12SV</b>	19.4	5.6	100	60
<b>13SV</b>	20.4	6	100	67
<b>New 14SV</b>	21.3	6.4	100	67




115-150 (mm)	D (mm)	H (mm)	L (mm)	 (g)
<b>8SV</b>	15.1	3.5	150	63
<b>10SV</b>	16.9	4.2	150	70
<b>12SV</b>	19.4	5.6	150	79
<b>13SV</b>	20.4	6	150	87
<b>New 14SV</b>	21.3	6.4	150	87

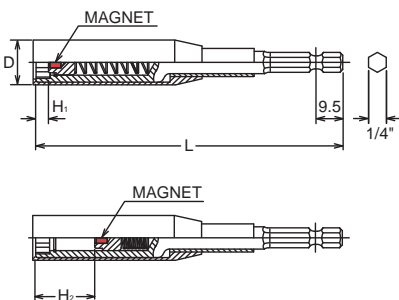
### 115-75SV / -100SV / -150SV


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





### 115G-100FR / -150FR / -200FR


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



115G-100 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	 (g)
<b>8FR</b>	15.1	4	26	100	55
<b>10FR</b>	16.9	4.5	26	100	60
<b>12FR</b>	19.3	6	26	100	80
<b>13FR</b>	20.4	6.5	25	100	85
<b>New 14FR</b>	21.3	7	24	100	85

115G-200 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	 (g)
<b>8FR</b>	15.1	4	26	200	90
<b>10FR</b>	16.9	4.5	26	200	100
<b>12FR</b>	19.3	6	26	200	125
<b>13FR</b>	20.4	6.5	25	200	135
<b>New 14FR</b>	21.3	7	24	200	135

115G-150 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	 (g)
<b>8FR</b>	15.1	4	26	150	75
<b>10FR</b>	16.9	4.5	26	150	80
<b>12FR</b>	19.3	6	26	150	100
<b>13FR</b>	20.4	6.5	25	150	110
<b>New 14FR</b>	21.3	7	24	150	110

 The Protectors could be broken with any Impacts. Please handle with care.  
 Die Protektoren können bei Stößen brechen, bitte arbeiten Sie mit Vorsicht.  
 Les protecteurs peuvent se briser en cas de choc, veuillez travailler avec prudence.



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.



#### 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 !

#### REPLACEMENT

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.



# INDUSTRIAL SOCKETS

STECKSCHLÜSSEL, INDUSTRIE-AUSFÜHRUNG

CLÉS A DOUILLES, FINISSAGE INDUSTRIEL

1/4"

3/8"

1/2"



◆ INDUSTRIAL SOCKETS

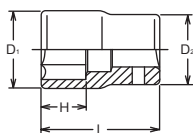


Industrial sockets are thin walled sockets to be used on electric or pneumatic nut runners for assembly work only.

Bei den Industrial Steckschlüsseln handelt es sich um dünnwandige Werkzeuge, die ausschliesslich auf pneumatischen und elektrischen Drehschraubern (nicht schlagend) verwendet werden dürfen.

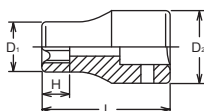
Les douilles Industrielles à paroi mince ne doivent être utilisées que sur des vis à fixer par visseuses (non-chocs).

**22400M** 6-point Sockets  
6-kant Steckschlüssel  
Douilles 6-pans



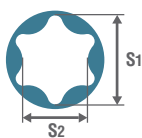
22400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10

**22425** TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®



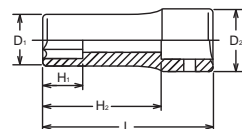
22425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

TORX® (E)



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

**22300M / 22300A** 6-point Sockets, deep  
6-kant Steckschlüssel, lang  
Douilles longues, 6-pans



22300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

# 3/8" Steckschlüssel, Industrie-Ausführung

## Clés à douille, finissage industriel

23400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	9.3	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10
21	28	26	14.5	32	77	10

23400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.3	6.9	26	22	10
3/8	13.9	17.3	8	26	22	10
7/16	15.8	17.3	9.3	26	25	10
1/2	18	17	9.4	26	24	10
9/16	19.5	18.5	11	27	31	10
11/16	24.6	22.5	13	30	51	10
3/4	26	23.5	13.5	30	63	10

23405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
14	19.5	18.5	11	27	31	10

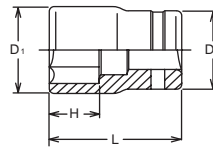
23410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10

23425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
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



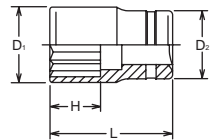
### 23400M / 23400A

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



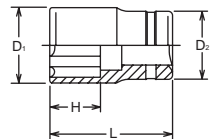
### 23405M

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



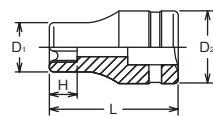
### 23410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive

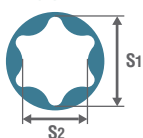


### 23425

TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®



### TORX® (E)



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

# Industrial Sockets

## Steckschlüssel, Industrie-Ausführung

### Clés à douille, finissage industriel

# 3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

PROTECTOR

INDUSTRIAL SOCKETS

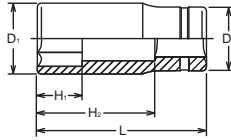
TOOLS FOR CONSTRUCTION SITES

## 23300M / 23300A

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



FLAT DRIVE®

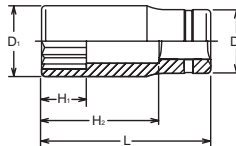


23300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
7	10.6	17.4	8	41.5	55	40	10
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	55	79	10
17	23.5	22	18	40.5	55	96	10
18	24.5	23	19	39.5	55	96	10
19	25	24	20	39.5	55	102	10

23300A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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



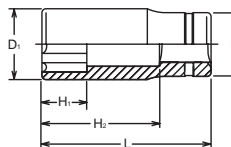
23305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
14	20	18	16	41.5	55	68	10

## 23310M

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



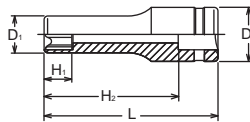
SURFACE DRIVE



23310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

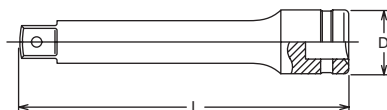
TORX® Deep Sockets  
TORX® Steckschlüssel, lang  
Douilles longues TORX®



23325 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
E 5	6.9	17.4	5.2	41.5	55	50	10
E 6	7.9	17.4	5.4	41.5	55	52	10
E 7	8.9	17.4	6.6	41.5	55	55	10
E 8	9.9	17.4	7	41.5	55	58	10
E10	11.8	17.2	8.2	41.5	55	60	10
E12	14.5	17.2	9.3	41.5	55	68	10
E14	15.7	17.2	10.6	41.5	55	77	10
E16	18	17	11.8	41.5	55	80	10

## 23760-P

Extension Bars  
Verlängerungen  
Rallonges



	D (mm)	L (mm)	(g)	(pcs.)
23760-75P	18	75	70	10
23760-125P	18	125	110	10
23760-250P	18	250	200	5

# 1/2" Steckschlüssel, Industrie-Ausführung

## Clés à douille, finissage industriel

24400M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
20	27.9	26	15	38	92	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.9	30	17	42	140	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
32	42.8	38	23	46	250	5

24400A (inch)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	10

24405M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
14	20.3	22	11	37	56	10
17	24.1	23	12.5	37	69	10
19	26.6	25	14	38	89	10

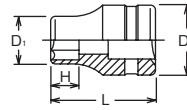
24410M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
24	32.9	30	17	42	140	10

24425 (E)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10	13.2	21	8.2	36	68	10
E12	14.6	21	9.3	37	70	10
E14	16.5	21	10.6	37	75	10
E16	19	21.9	11.8	37	80	10
E18	20.3	21.9	13	37	83	10
E20	22.9	22	14.4	37	121	10



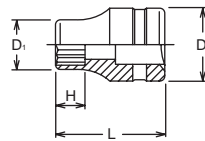
### 24400M / 24400A

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



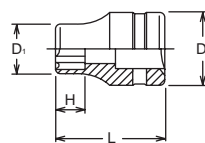
### 24405M

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



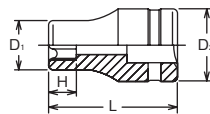
### 24410M

Surface Drive Sockets  
Surface Drive Steckschlüssel  
Douilles, Surface Drive

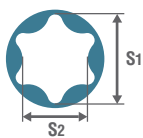


### 24425

TORX® Sockets  
TORX® Steckschlüssel  
Douilles TORX®



### TORX® (E)



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

# Industrial Sockets

## Steckschlüssel, Industrie-Ausführung

## Clés à douille, finissage industriel

# 1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

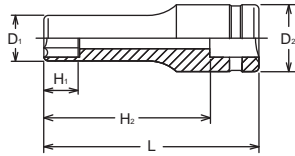
PROTECTOR

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

### 24300M / 24300A

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

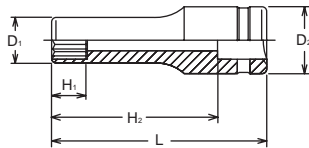


24300M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
11	16.5	21	12	59	77	95	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	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)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

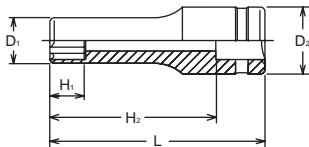
12-point Deep Sockets  
12-kant Steckschlüssel, lang  
Douilles longues 12-pans



24305M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

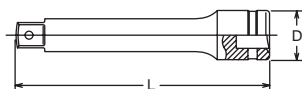
Surface Drive Sockets, deep  
Surface Drive Steckschlüssel, lang  
Douilles longues, Surface Drive



24310M (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	160	10
19	26.5	25	20	58	77	177	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	250	10

### 24760-P

Extension Bars  
Verlängerungen  
Rallonges



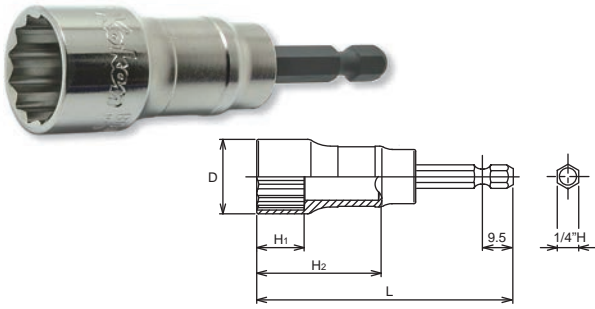
	D (mm)	L (mm)	(g)	(pcs.)
24760-75P	24	75	140	10
24760-125P	24	125	200	5
24760-250P	24	250	370	5

**TOOLS FOR CONSTRUCTION SITES  
WERKZEUGE FÜR DAS BAUGEWERBE  
OUTILLAGE POUR L'INDUSTRIE DU BÂTIMENT**



BITS, NUT SETTERS AND ADAPTORS

**BD014SE**  12-point Nut Setters  
 12-kant Steckschlüsselklingen  
 Douilles 12-pans à embout

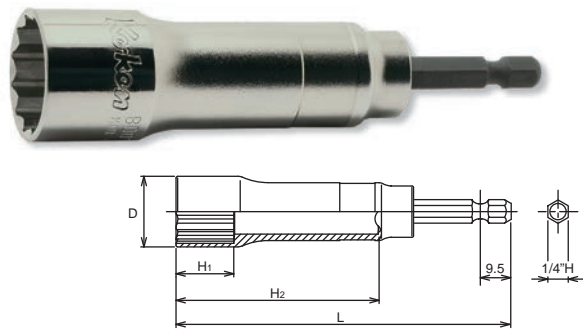


BD014SE (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

◆ DIN 3126 Form E 6.3

IMPACT SOCKETS

**BD014E**  12-point Nut Setters, deep  
 12-kant Steckschlüsselklingen, lang  
 Douilles longues, 12-pans à embout

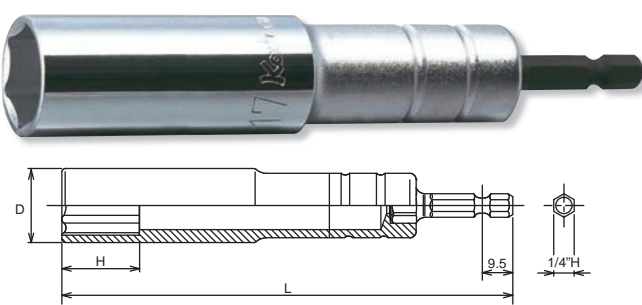


BD014E (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
8	12	12	63	104	45	10
10	14	12	63	104	52	10
12	16.5	18	63	104	61	10
13	17.5	18	63	104	65	10
14	19	18	63	104	72	10
17	22.5	18	60	104	80	10
19	24.5	18	60	104	95	10
21	27	18	60	104	110	10
22	28	18	60	104	112	10
24	30.3	18	60	104	123	10

◆ DIN 3126 Form E 6.3

SLEEVE-DRIVE SOCKETS


**BD014E-140**  6-point Nut Setters, extra deep  
 6-kant Steckschlüsselklingen, extra lang  
 Douilles extra-longues, 6-pans à embout

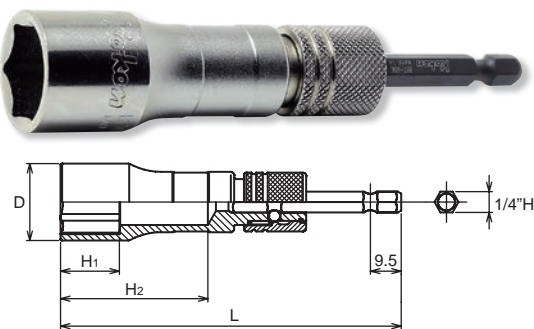


BD014E-140 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
13	19	20	140	120	10
17	24	26	140	190	10

◆ DIN 3126 Form E 6.3

PROTECTOR

**BD042E**  6-point Nut Setters, deep (Exchangeable Drive Shank)  
 6-kant Steckschlüsselklingen, lang  
 Douilles longues, 6-pans à embout

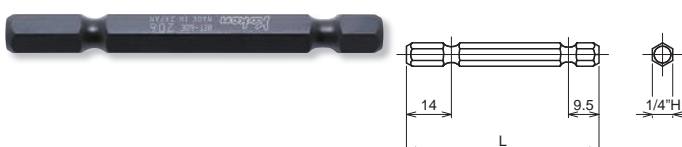


BD042E (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
New 17	23.5	18	45	111	114	10
New 19	25.5	18	45	111	119	10
New 21	28	18	45	111	132	10
New 24	31.5	18	45	111	147	10

◆ DIN 3126 Form E 6.3

INDUSTRIAL SOCKETS

**BIT-60E** Bits  
 Bits  
 Enbouts



BIT-60E	L (mm)	(g)	(pcs.)
New BIT-60E	60	10	10

TOOLS FOR CONSTRUCTION SITES



BD014XE (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

● DIN 3126 Form E 6.3

BD014E (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (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

● DIN 3126 Form E 6.3

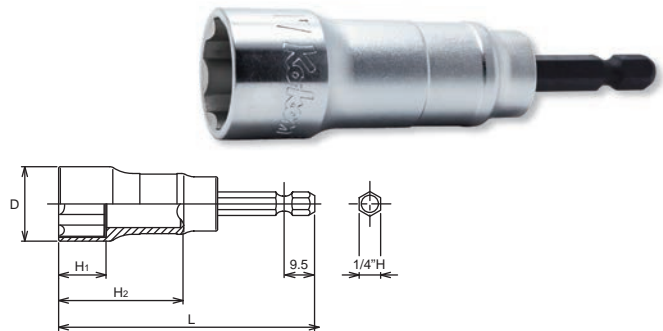
BD008E-165 (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.8	17	110	165	105	10
19(12P)	24.8	17	110	165	135	10
21(12P)	27.3	17	110	165	142	10

● DIN 3126 Form E 6.3

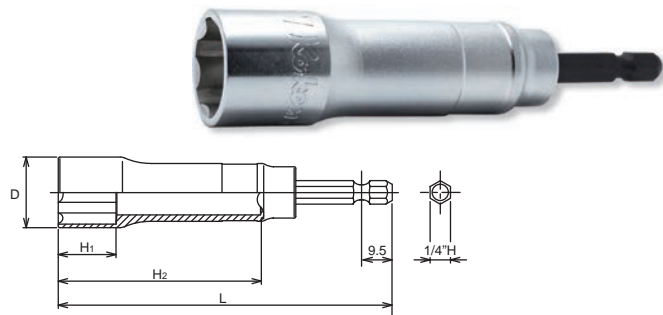
BD011SE (mm)	D (mm)	H <sub>1</sub> (mm)	H <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
10	14	12	35	100	73	10
12	16.5	12	35	100	77	10
13	17.5	12	35	100	79	10
14	19	12	32	100	82	10
17	22.5	14	32	100	87	10
19	24.5	14	30	100	94	10
21	27	14	30	100	103	10
22	28	14	30	100	104	10

● DIN 3126 Form E 6.3

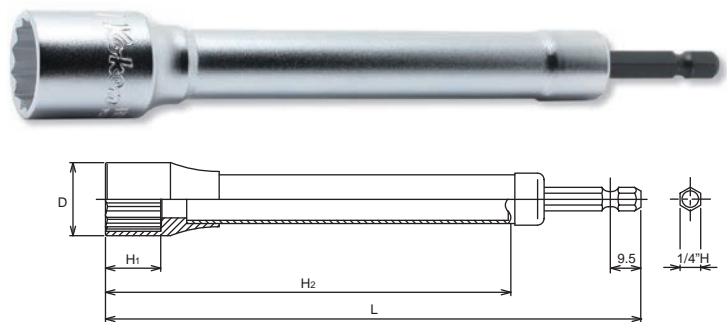
**BD014XE-SF** ○ Surface Drive Nut Setters, Semi-Deep  
Surface Drive Steckschlüsselklingen, mittel lang  
Douilles semi-profondes, Surface Drive



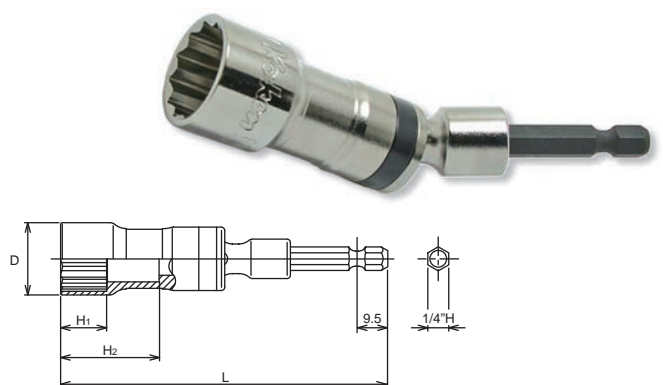
**BD014E-SF** ○ Surface Drive Nut Setters, deep  
Surface Drive Steckschlüsselklingen, lang  
Douilles longues, Surface Drive




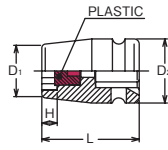
**BD008E-165 (12P)** ○ 12-point Nut Setter, extra long  
12-kant Steckschlüsselklinge, extra lang  
Douilles 12-pans à embout, extra longues







**BD011SE** ○ 12-point Universal Joint Nut Setters  
12-kant Steckschlüsselklingen mit Gelenk  
Douilles 12-pans universelles à embout




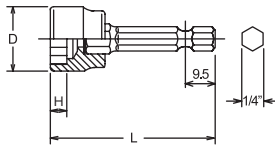
**BD14400MJ**  6-point Sockets for Anchor Screws  
 6-kant Steckschlüssel  
 Douilles 6-pans





BD14400MJ (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	H (mm)	L (mm)	 (g)	 (pcs.)	
13	1/2"	20.7	25	5	38	140	10	*1
15		23.2	30	5	38	145	10	*2
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=C41, Pin/O-Ring=A41/B41  
 \*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔ P110-111

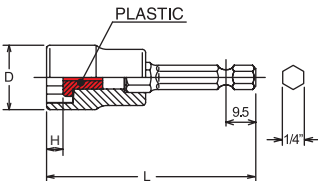
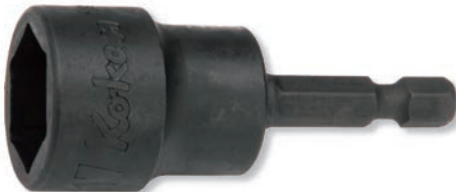
**BD016E**  6-point Sockets for Anchor Screws  
 6-kant Steckschlüssel  
 Douilles 6-pans





BD016E (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

● DIN 3126 Form E 6.3

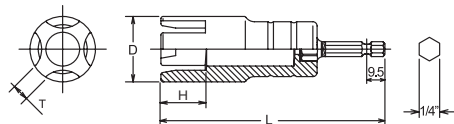
**BD016JE**  6-point Nut Setters with Plastic Stops  
 6-kant Steckschlüsselklingen mit Plastik-Anschlag  
 Douilles 6-pans à embout avec arrêt en plastique





BD016JE (mm)	D (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
13	19.5	5	60	66	10
17	24.5	6.5	60	80	10
19	27	7.5	60	90	10

● DIN 3126 Form E 6.3

**BD017E** Wing Bolt Socket for Electric Drill  
 6-kant Steckschlüsselklingen für Flügelschrauben  
 Douilles 6-pans à embout pour écrous à oreilles



BD017E	D (mm)	T (mm)	H (mm)	L (mm)	 (g)	 (pcs.)
BD017E	31	7.3	21	104	158	10

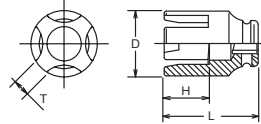
● DIN 3126 Form E 6.3



		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)	
<b>BD018</b>	<b>3/8"</b>	31	7.3	21	45	113	10	*1

\*1 C-Ring=C32, Pin/O-Ring=A32/B32 → P110-111

**BD018** Wing Bolt Socket  
Steckschlüssel für Flügelschrauben  
Douilles pour écrous à oreilles

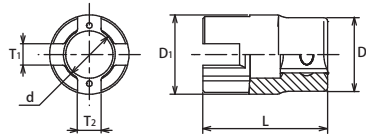


3119 (mm)		T <sub>1</sub> ×T <sub>2</sub> (mm)	D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	d (mm)	L (mm)	(g)	(pcs.)
<b>3 x5</b>	<b>3/8"</b>	3 x5	17	17.3	11	30	30	10
<b>5.5x6</b>		5.5x6	21	19.5	14	33	45	10



For Wing Bolt  
Für Flügelschrauben  
Pour écrous à oreilles

**3119** Wing Bolt Socket  
Steckschlüssel für Flügelschrauben  
Douilles pour écrous à oreilles

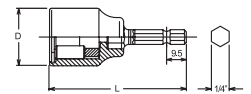
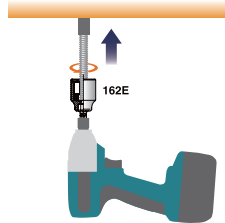


162E (mm)	D (mm)	L (mm)	(g)	(pcs.)
<b>8</b>	23	66	82	10
<b>10</b>	27.9	66	107	10

162E (inch)	D (mm)	L (mm)	(g)	(pcs.)
<b>1/4</b>	23	66	83	10
<b>5/16</b>	23	66	82	10
<b>3/8</b>	27.9	66	107	10
<b>1/2</b>	27.9	66	108	10

◆ DIN 3126 Form E 6.3

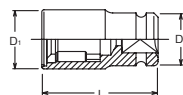
**162E** Stud Setters  
Stehbolzeneindreh  
Monte-goujons



BD004 (mm)		D <sub>1</sub> (mm)	D <sub>2</sub> (mm)	L (mm)	(g)	(pcs.)
<b>12.5x10</b>	<b>1/2"</b>	30	25	70	236	5
<b>12.5x13</b>		38	30	75	388	3
<b>12.5x16</b>		38	30	75	369	3
<b>20 x19</b>	<b>3/4"</b>	48	44	90	775	3
<b>20 x22</b>		48	44	90	752	3
<b>20 x25</b>		62	44	95	1184	2
<b>20 x29</b>		62	44	95	1148	2

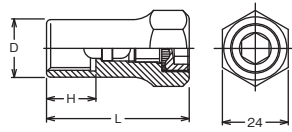


**BD004** Impact Screw and Stud Setters  
Impact Stehbolzeneindreh  
Monte goujons, Impact



BITS, NUT SETTERS AND ADAPTORS

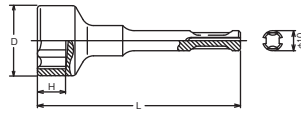
**HA001** Stud Setters  
 Stehbolzeneindreher  
 Monte-goujons



HA001	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.75)	17.2	15	49	100	10
16(2.0)	21	18	52	125	10
20(2.5)	24.5	21	56	155	10
22(2.5)	26.5	27	61	175	10
24(3.0)	28	28	62	185	10
W3/8	14.8	13	47	90	10
W1/2	17.6	15	49	105	10

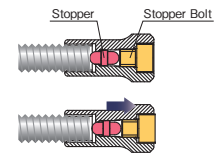
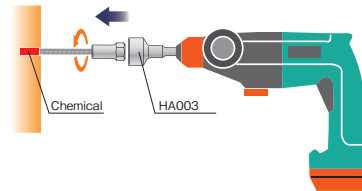
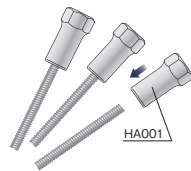
IMPACT SOCKETS

**HA003** Drive Part  
 Antriebsteil  
 Propulseur



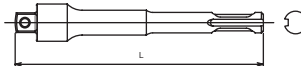
HA003 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	100	155	10

Socket for HA001



SLEEVE-DRIVE SOCKETS

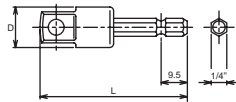
**BD022-120P** Hammer Drill Adaptor  
 Adapter für Schlagbohrmaschinen  
 Adaptateur pour aléseuses



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

PROTECTOR

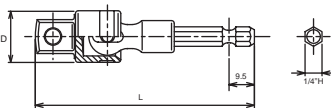
**BD023E** Adaptors  
 Verbindungsstücke  
 Adaptateurs



BD023E	(mm)	D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	12.5	55	27	10
1/2	1/2"	16.5	60	48	10

INDUSTRIAL SOCKETS

**BD024E** Universal Adaptors  
 Gelenk Adapter  
 Augmentateur universel



BD024E	(mm)	D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	19.3	78	63	10
1/2	1/2"	19.3	82	73	10

TOOLS FOR CONSTRUCTION SITES



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Nous pouvons concevoir et fabriquer tout outil selon vos spécifications.  
Veuillez contacter votre distributeur habituel.





Screw dimension	Hexagon Head Bolt			Hexagon Socket Head Cap Screws			TORX		TORXPLUS		Triple Square	LHSTIX	Ref.) Standard Tightning Torque (Nm)				
	Standard	Compact	High Strength	Standard	Button Head / Shoulder Head	Hexagon Socket Set Screws	T	E	IP	EP [EPL]	XZN	LH-S [LH-SS]	Grade 4.6	Grade 6.8	Grade 8.8	Grade 10.9	Grade 12.9
M2	4			1.5		0.9	T6/T8		6IP				0.12	0.24	0.32	0.45	0.54
M2.5	5			2		1.3	T8		8IP		M3		0.25	0.49	0.65	0.92	1.1
M3	5.5			2.5	2	1.5	T10	E4	8IP/10IP	4EP	M3		0.43	0.87	1.16	1.63	1.96
M3.5	(6)						T15		10IP/15IP				0.68	1.37	1.82	2.56	3.08
M4	7			3	2.5	2	T20/T25	E5	15IP/20IP	5EP	M4	LH4S	1.01	2.02	2.7	3.79	4.54
M5	8			4	3	2.5	T25/T27	E6	20IP/25IP /27IP	6EP [8EPL]	M5	LH5S	2.04	4.09	5.47	7.67	9.18
M6	10			5	4	3	T30	E8	27IP/30IP	8EP [10EPL]	M6	LH6S	3.47	6.97	9.27	13	15.6
M7	11						T40	E8	40IP	8EP [12EPL]			5.85	11.6	15.5	21.8	26.2
M8	13	(12)		6	5	4	T40/T45	E10	40IP/45IP	10EP [14EPL]	M8	LH8S	8.41	16.9	22.5	31.6	37.9
M10	16 (17)	(14)		8	6	5	T50	E12	45IP/50IP	12EP [16EPL]	M10	LH10S [LH8SS]	16.7	33.4	44.5	62.6	75.2
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	55IP	14EP [20EPL]	M12	LH12S [LH10SS]	29.1	58.3	77.6	109	131
M14	21 (22)	(19)		12			T55/T60	E14/E18	55IP/60IP	18EP [24EPL]	M14	LH14S [LH12SS]	46.4	92.7	124	174	209
M16	24	(22)	27	14	10	8	T60/T70	E16/E20	60IP/70IP	20EP [26EPL]	M16	LH16S [LH14SS]	72.3	145	194	271	325
M18	27	(24)		(14)			T70/T80	E24	80IP	24EP [30EPL]	M18		100	199	266	373	447
M20	30 (32)	(27/29)	32	17	12	10	T80/T90	E24	90IP	24EP [32EPL]			141	282	376	529	635
M22	34 (32/35)	(30/32)	36	(17)			T90/T100	E28	100IP	24EP [36EPL]			192	384	511	720	865
M24	36 (38)	(32/35)	41	19		12	T100	E32	100IP	32EP [40EPL]			244	488	650	915	1100
M27	41	(36)	46	(19)				E32		32EP			358	713	951	1340	1610
M30	46	(41)	50	22				E36		36EP			484	971	1290	1820	2180
M33	50	(46)		(24)				E40		40EP			661	1320	1760	2470	2970
M36	55 (54)	(50)		27				E44		44EP			848	1690	2260	3180	3810
M39	60 (58)	(55)		(27)									1100	2190	2920	4110	4930
M42	65 (63)			32									1350	2710	3610	5080	6080
M45	70 (67)			(32)									1700	3400	4540	6370	7630
M48	75 (71)			36									2030	4060	5440	7620	9120
M52	80 (77)			(36)									2640	5290	7040	9880	11800
M56	85			41									3270	6560	8710	12300	14800
M60	90												4080	8180	10900	15300	18300
M64	95			46									4930	9890	13100	18500	22300
M68	(100)												5970	12000	16000	22500	27000

\*Reference: Hexagon Head Bolt: ISO 4014-4018, 8676, 8768  
 High Strength Hexagon Bolt: JIS B 1196  
 Hexagon Socket Head Cap Screws: ISO 7380  
 Hexagon Socket Button Head Screws: ISO 7380  
 Hexagon Socket Set Screws: ISO 4026-4029  
 TORX T/E: TORX Standard TMH series  
 TORXPLUS IP/EP: TORXPLUS Standard CMH series  
 Triple Square: DIN 2324/2325  
 LHSTIX LH-S/SS: LH-S/SS Standard

\* Standard Tightening Torque: Calculated based on Torque Coefficient (K): 0.2  
 Axial Force (Ff) : 60% of Proof Strength(σ)

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**TORX® / TORX<sup>plus</sup>® 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<sup>plus</sup>® 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

**TORX<sup>plus</sup>® BITS**

		S1 (mm)	S2 (mm)
8IPR		2.2	2.0
9IPR		2.4	2.2
10IPR		2.6	2.4
15IPR		3.1	2.8
20IPR		3.6	3.3
25IPR		4.1	3.8
27IPR		4.7	4.3
30IPR		5.2	4.8
40IPR		6.3	5.7
45IPR		7.4	6.7
50IPR		8.4	7.6
55IPR		10.6	9.7

**LHSTIX® (LH-S) SOCKETS**

		S1 (mm)	S2 (mm)
LH3S		3.8	4.7
LH4S		4.5	6.0
LH5S		5.6	7.5
LH6S		6.8	9.0
LH7S		7.9	10.5
LH8S		9.0	12.0
LH10S		11.3	15.0
LH12S		13.6	18.0
LH14S		15.8	21.0
LH16S		18.1	24.0

**XZN BITS**

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

**Ribe CV BITS**

		W (mm)	S1 (mm)	S2 (mm)
M5		1.2	5.0	3.8
M6		1.3	6.0	4.5
M7		1.4	7.0	5.0
M8		1.8	8.0	6.0
M9		2.0	9.0	7.1
M10		2.3	10.0	7.4
M12		2.6	12.0	9.0
M13		3.1	13.0	11.0
M14		3.2	14.0	10.4
M16		3.6	16.0	11.9

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### Conversion Table: American Inches-Decimal Inches-Millimeter

in	dec.in.	Millimeter(mm)											
		0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
1/64	0.01563	0	25.4000	50.8000	76.2000	101.6000	127.0000	152.4000	177.8000	203.2000	228.6000	254.0000	279.4000
1/32	0.03125	0.3969	25.7969	51.1969	76.5969	101.9969	127.3969	152.7969	178.1969	203.5969	228.9969	254.3969	279.7969
3/64	0.04688	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	256.7813	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
29/32	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
57/64	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								

10099A	102	13147M	43	14201M	59	16401M	77	23405M	121
100H	16	13241M	50	14207M	73	16405A	76	23410M	121
100P	16	13242M	50	14208M	73	16405M	76	23425	121
100P(PZ)	16	13300A	38	14209M	72	16410M	77	23760	122
100S	16	13300G	40, 115	14210M	72	16425	77	24300A	124
100T(T)	16	13300M	38, 115	14210T	72	16425-EPL	78	24300M	124
100T(TH)	17	13300XG	38	14210X	72	165BM	20	24305M	124
100X(XZN)	17	13301A	39	14218M	58	165LM	20	24310M	124
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