

Koken

IMPACT / INDUSTRIAL

SOCKETS · STECKSCHLÜSSEL · DOUILLES



ENGLISH



GERMAN



FRENCH

Koken TOOL CO., LTD.

BITS, NUT SETTERS AND ADAPTORS
BITS, STECKSCHLÜSSEL KLINGEN UND VERBINDUNGSSTÜCK
EMBOUTS POUR ÉCROUS ET ADAPTATEURS
P9 ~ 20



IMPACT SOCKETS
IMPACT STECKSCHLÜSSEL
DOUILLES À CHOC
P21 ~ 90



SLEEVE-DRIVE SOCKETS
SLEEVE-DRIVE STECKSCHLÜSSEL
DOUILLES, SLEEVE DRIVE
P91 ~ 100



INDUSTRIAL SOCKETS
 STECKSCHLÜSSEL, INDUSTRIE-AUSFÜHRUNG
 CLÉS À DOUILLE, FINISSAGE INDUSTRIEL
P101 ~ 106



TOOLS FOR CONSTRUCTION SITES
 WERKZEUGE FÜR DAS BAUGEWERBE
 OUTILLAGE POUR L'INDUSTRIE DU BÂTIMENT
P107 ~ 110

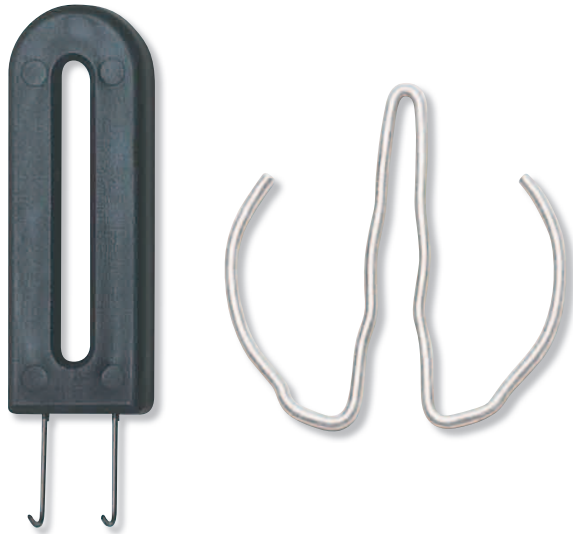


Web Site



Ko-ken Tools the Web
<http://www.koken-tool.co.jp/en/>

[C-Ring Lock Clamp and Puller] **PATENTED**



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.

Pièce en acier à ressorts, en une pièce. Mise en place avec une pression du pouce, l'extraire au moyen de la griffe d'extraction. Beaucoup plus facile et sur que la combinaison goupille/bague.



[Impact Sockets]

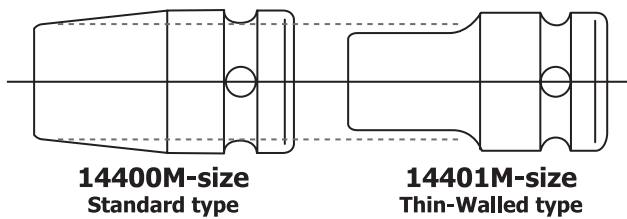
White letters on the black finish help to easily identify the Ko-ken name and socket size. The marking of Ko-ken and the size are permanently stamped onto the socket.

Die weiße Markierung unserer Impact Steckschlüssel erleichtert das finden der Steckschlüsselgrößen. Die Steckschlüssel sind zusätzlich mit Markennamen und Abmessung gestempelt.

Le marquage blanc sur fond de nos douilles impact facilite l'identification. Elles sont toutes marquées Ko-ken + la dimension.



[Impact Sockets (Thin Walled)]



Thin walled impact socket series are a new addition to the product line. Straight shape body allows deeper access in narrow spaces. Three different lengths are available: Standard, Semi-deep, and Deep. Choose the appropriate length socket for the intended job.

Die dünnwandigen Impact Steckschlüssel stellen eine Erweiterung unseres Programms dar. Die zylindrische Form erlaubt einen leichteren Zugang auch an engen Stellen.

Drei verschiedene Längen sind verfügbar: Standard, halblang, und lang. Bitte wählen Sie die geeignete Länge für den benötigten Zweck.

Les douilles impact à parois minces sont une nouveauté dans notre gamme. Leur corps cylindrique permet un meilleur accès même si le passage est étroit. Elles existent en 3 longueurs : standards, demi longues et longues. Choisissez la longueur appropriée à votre travail.

Standard



Semi-Deep

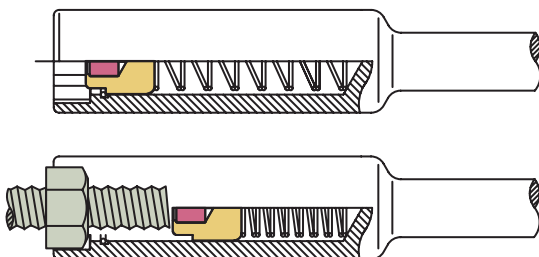


Deep



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

[Nut Setters with Sliding Magnet]



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

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

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

•• **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.

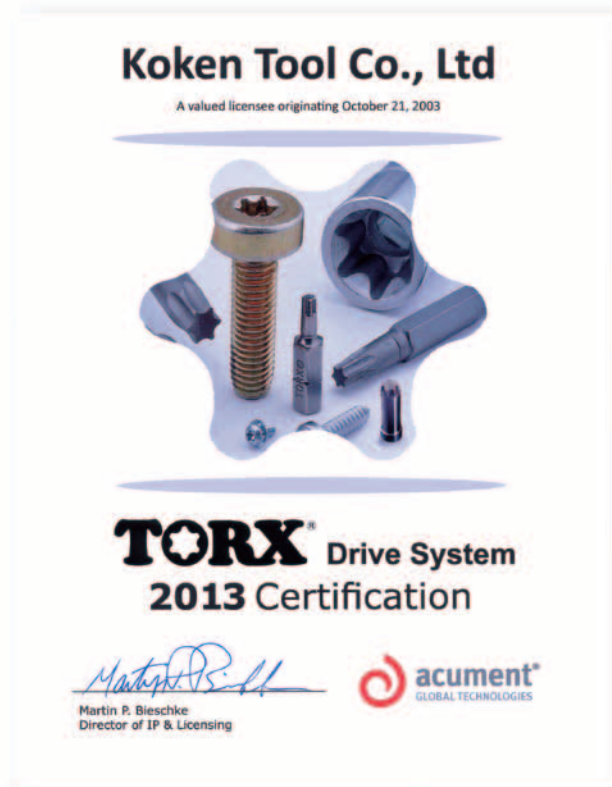
TORX® & TORX plus®



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LHSTIX®



Line Head Straight
LH-S series



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Koken®



Ko-ken® CO-KEN®

Koken TOOL CO., LTD.®

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

山下工業研究所® 山下工研®

S.O.D.H-System®

Flatdrive®

ATTACK DRIVER®

HANDY-ENDY®

PATHFINDER®

Nut Grip®

LOCK NUT BUSTER®

NUTTWISTER®
BOLTTWISTER®

Koken SAFETY ADVISER

Koken SICHERHEITSRATGEBER

MESURES DE SÉCURITÉ **Koken**

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 de plastique ou de caoutchouc ne garantissent aucune isolation électrique.
- (e) Never substitute a HAND Socket for a INDUSTRIAL Socket or an IMPACT Socket, or a INDUSTRIAL Socket for an IMPACT Socket.
Nehmen Sie deshalb niemals anstelle eines INDUSTRIE-oder IMPACT-Werkzeuges ein HAND-Werkzeug oder anstatt eines IMPACT-Werkzeuges ein INDUSTRIE-Werkzeug.
Ne vous servez donc jamais d'un outil à main au lieu d'un outil INDUSTRIEL ou IMPACT ou d'un outil INDUSTRIEL au lieu d'un outil IMPACT.
- (f) Items in this catalogue marked ⚠ can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.
Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch, und damit verbundene mögliche Verletzungen zu vermeiden.
Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. 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, des arêtes émoussées ou autres signes d'usure doivent être immédiatement changées.

Extension Bars
Verlängerungen
Rallonges

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

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

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

Adaptors
Verbindungsstücke
Réducteurs

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

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

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

Warranty

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

WARRANTY

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

WERKZEUGE-VON ÜBERZEUGENDER QUALITÄT

GARANTIE

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

OUTILLAGE-D'UNE QUALITE CONVAINQUANTE

GARANTIE

La fabrique **Koken** TOOL CO.,LTD. Shizuoka, Japon, garantit la qualité irréprochable et le traitement absolument impeccable des outils portant la marque **Koken**. Chaque outil **Koken** 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.

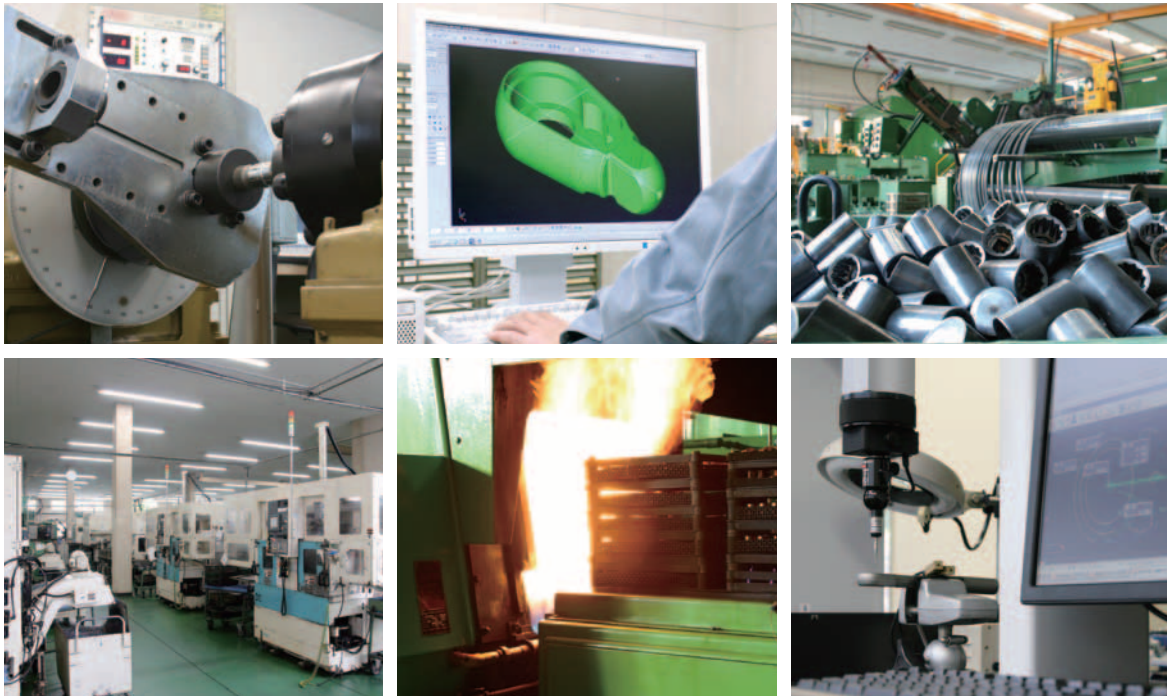
Specifications or design of any product in this catalogue are subject to change without notice.

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.



Design / Development and Manufacture



BITS, NUT SETTERS AND ADAPTORS

BITS, STECKSCHLÜSSEL KLINGEN UND VERBINDUNGSSTÜCK

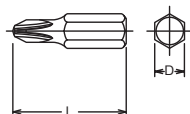
EMBOUTS POUR ÉCROUS ET ADAPTATEURS



108P-25/-32/-50



PH Bits
PH Bits
Embouts, PH



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

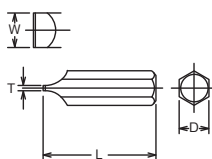
108P-32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	32	7	10
2	6.35	32	7	10
3	6.35	32	8	10

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

108S-25/-39



Slotted Bits
Schlitz Bits
Embouts, fente



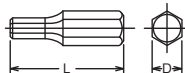
108S-25	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5×3	6.35	25	3	10
4	0.6×4	6.35	25	3	10
4.5	0.6×4.5	6.35	25	4	10
5	0.8×5	6.35	25	5	10
5.5	0.8×5.5	6.35	25	5	10
6	1.0×6	6.35	25	5	10
8	1.2×8	6.35	25	6	10

108S-39	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5×3	6.35	39	6	10
4	0.6×4	6.35	39	6	10
4.5	0.6×4.5	6.35	39	6	10
5	0.8×5	6.35	39	7	10
5.5	0.8×5.5	6.35	39	8	10
6	1.0×6	6.35	39	9	10
8	1.2×8	6.35	39	12	10

108H-25



Hex Bits
Sechskant Bits
Embouts, 6 pans creux



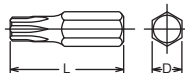
108H-25 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10

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

108T-25 (T)



TORX® Bits
TORX® Bits
Embouts, TORX®

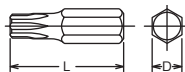


108T-25 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	6.35	25	4	10
T15	6.35	25	4	10
T20	6.35	25	5	10
T25	6.35	25	6	10
T27	6.35	25	6	10
T30	6.35	25	6	10
T40	6.35	25	6	10

108T-25 (TH)



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



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



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

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

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

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

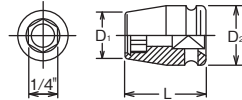
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

→ P98-99

For DIN3126 C6.3 Bits

Für DIN3126 C6.3 Bits

Pour embouts DIN3126 C6.3



12139



Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



13139



Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



14139



Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



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

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

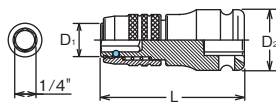
*2 C-Ring=1401C, Pin/O-Ring=1401A/B

→ P98-99

For DIN3126 C6.3 Bits

Für DIN3126 C6.3 Bits

Pour embouts DIN3126 C6.3



13142-D6.3



Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



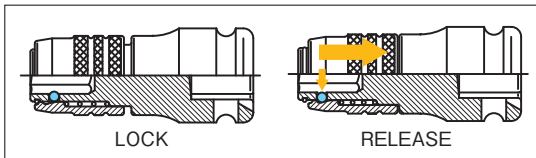
14142-D6.3



Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



Lock & Quick Release



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

For DIN3126 C6.3 + E6.3 Bits

Für DIN3126 C6.3 + E6.3 Bits

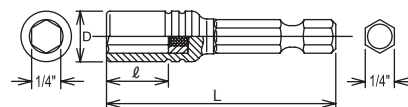
Pour embouts DIN3126 C6.3 + E6.3



180M-50

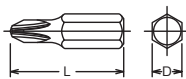


Bit Holder with Magnet
Klingenhalter mit Magnet
Porte-embouts avec aimant



100P-32/-80/-125

PH Bits
PH Bits
Embout, PH



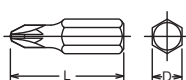
100P-32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

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)

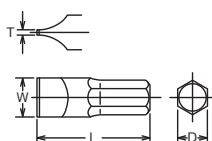
PZ Bits
PZ Bits
Embout, PZ



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
Embout, fente

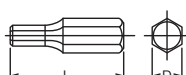


100S-32	T x W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 x 6	8	32	10	10
7	1 x 7	8	32	11	10
8	1.2 x 8	8	32	12	10
9	1.6 x 9	8	32	12	10
10	1.6 x 10	8	32	13	10
11	1.6 x 11	8	32	15	10
12	2 x 12	8	32	18	10
14	2 x 14	8	32	21	10

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

100H-32

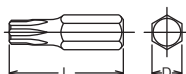
Hex Bits
Sechskant Bits
Embout, 6 pans creux



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

100T-32 (T)

TORX® Bits
TORX® Bits
Embout, 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

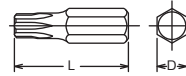
100T-32 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	8	32	9	10
T15H	8	32	9	10
T20H	8	32	9	10
T25H	8	32	10	10
T27H	8	32	10	10
T30H	8	32	11	10
T40H	8	32	12	10
T45H	8	32	12	10
T50H	8	32	12	10
T55H	8	32	12	10

 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
Embout TORX®, Tamper-Resistant

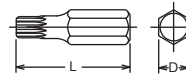


100X-32	D (mm)	L (mm)	(g)	(pcs.)
M 5	8	32	10	10
M 6	8	32	11	10
M 8	8	32	12	10
M10	8	32	16	10
M12	8	32	19	10

100X-32



XZN Bits
XZN Bits
Embout, XZN



		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12140	1/4"	14	13	26	15	10	*1
13140	3/8"	14	19	30	32	10	*2
14140	1/2"	14	25	38	62	10	*3

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

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

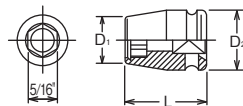
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

→ P98-99

For DIN3126 C8 Bits

Für DIN3126 C8 Bits

Pour embouts DIN3126 C8



12140



Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



13140



Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



14140



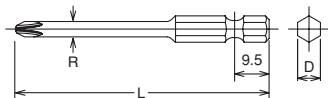
Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



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



PH Bits
PH Bits
Embout, PH

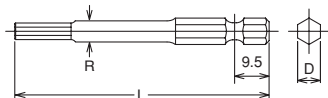


121P-50 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	–	50	13	10

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



Hex Bits
Sechskant Bits
Embout, 6 pans creux

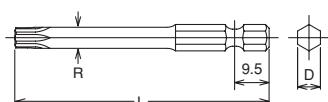


121H-50 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
3	6.35	3.5	50	12	10
4	6.35	4.5	50	12	10
5	6.35	5.6	50	13	10
6	6.35	–	50	14	10

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



TORX® Bits
TORX® Bits
Embout, TORX®

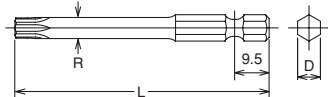


121T-50 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T20	6.35	4.1	50	12	10
T25	6.35	4.6	50	12	10
T27	6.35	5.2	50	13	10
T30	6.35	5.7	50	13	10
T40	6.35	–	50	14	10

121T-70/-100 (TH)



Tamper-Resistant TORX® Bits
Tamper-Resistant TORX® Bits
Embout TORX®, Tamper-Resistant



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

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

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

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

121H-70 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
3	6.35	4.0	70	15	10
4	6.35	4.5	70	15	10
5	6.35	5.6	70	16	10
6	6.35	–	70	18	10

121H-100 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
3	6.35	4.0	100	23	10
4	6.35	4.5	100	23	10
5	6.35	5.6	100	24	10
6	6.35	–	100	26	10

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

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

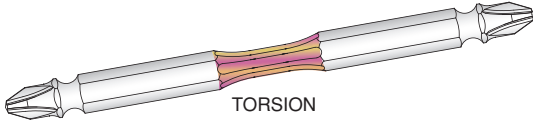
121T-100 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T20	6.35	4.1	100	24	10
T25	6.35	4.6	100	24	10
T27	6.35	5.2	100	24	10
T30	6.35	5.7	100	25	10
T40	6.35	–	100	26	10

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

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

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

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

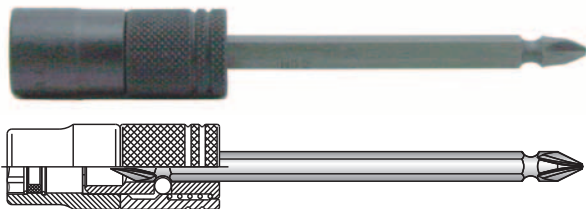


123P-75	D (mm)	(g)	(pcs.)	(pcs.)
1	6.35	16	10	100
2	6.35	16	10	100
3	6.35	17	10	100

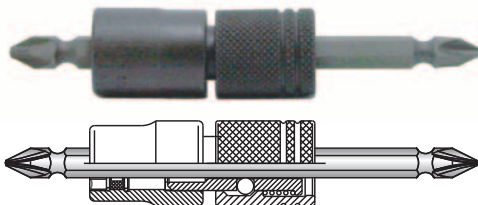
123P-100	D (mm)	(g)	(pcs.)	(pcs.)
1	6.35	23	10	100
2	6.35	23	10	100
3	6.35	24	10	100

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

Nut Setter



Phillips Bit

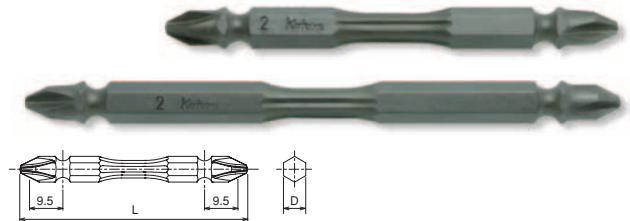


165BM-80 (mm)	D ₁ (mm)	D ₂ (mm)	L (mm)	ℓ ₁ (mm)	ℓ ₂ (mm)	(g)	(pcs.)
10x12	16	19.1	80	8	8	95	10
10x13	16	20.5	80	8	8	100	10

165BM-100 (mm)	D ₁ (mm)	D ₂ (mm)	L (mm)	ℓ ₁ (mm)	ℓ ₂ (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

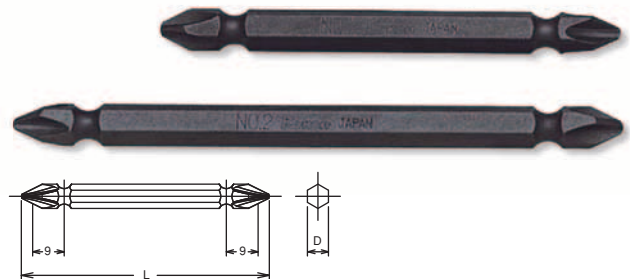
123PT-75/-100

+ Double ended Torsion Bits, Phillips
Doppelseitige Torsionsbits, Phillips
Emboutis torsion double face, Phillips



123P-75/-100

+ Double ended Bits, Phillips
Doppelseitige Bits, Phillips
Emboutis double face, Phillips



165LM

Slide socket with Magnet
Gleitsteckschlüssel mit Magnet
Douille coulissante avec aimant

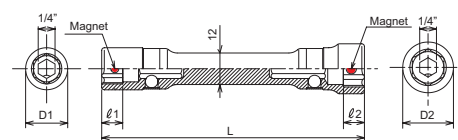


Slide the socket by pulling holder, and pull back the socket to lock on the bit groove.
Ring magnet holds a bolt or nut for easy work.



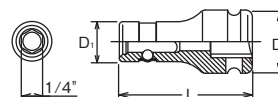
165BM-80/-100

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



DIN3126 E6.3

1/4"

12137E Impact Bit Holder
Impact Klingenhalter
Porte embout Impact

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

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

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

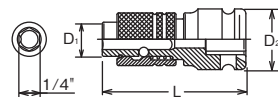
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

[→ Pg8-99](#)

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

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

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

13137E Impact Bit Holder
Impact Klingenhalter
Porte embout Impact**14137E** Impact Bit Holder
Impact Klingenhalter
Porte embout Impact**12142-F6.3** Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embout Impact (Quick Release)

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

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

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

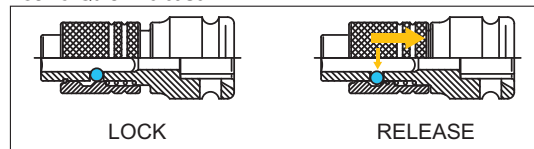
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

[→ Pg8-99](#)

For DIN3126 E6.3 Bits

Für DIN3126 E6.3 Bits

Pour embouts DIN3126 E6.3

**13142-F6.3** Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embout Impact (Quick Release)**14142-F6.3** Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embout Impact (Quick Release)**Lock & Quick Release**

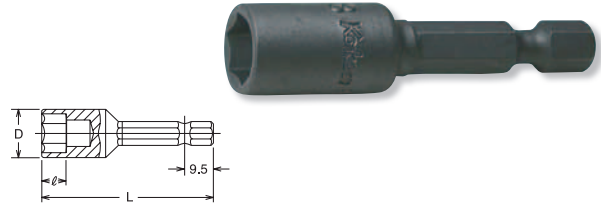
113 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14	7	50	31	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10

113 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14	7	50	31	10
1/2	18	8	50	42	10

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

113

Nut Setters
Steckschlüssel Klingen
Embouts pour écrous



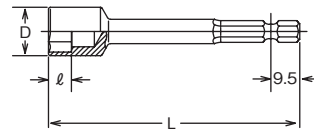
113 (E)

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



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

Nut Setters
Steckschlüssel Klingen
Embouts pour écrous



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

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

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

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

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

113UN-100/-150/-200

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



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

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

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

Nut Setters

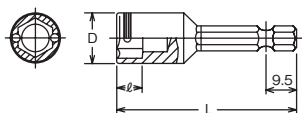
Steckschlüssel Klingen

DIN3126 E6.3 Embouts pour écrous

113-50 (2B)



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



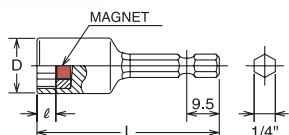
113-50 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7(2B)	11	5	50	20	10
8(2B)	12	6	50	21	10
10(2B)	14.2	7	50	26	10
13(2B)	18	8	50	31	10

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

115



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



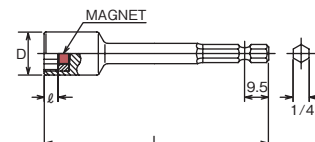
115 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14	4.2	50	29	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

115 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	10	1.8	50	17	10
1/4(DP2.4)	10	2.4	50	17	10
5/16	12	3.5	50	20	10
3/8	14	4.2	50	29	10
1/2	18	6	50	50	10

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



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



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

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

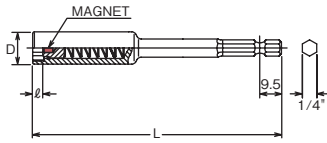
115-250 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	250	101	10
8	12.7	3.5	250	103	10
10	14.5	4.2	250	110	10
12	17	5.6	250	118	10
13	18	6	250	122	10
14	19	6.4	250	124	10

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

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

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

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

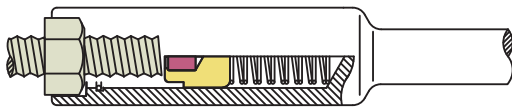


115G-75 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	75	34	10
8	12.7	4	75	41	10
10	14.5	4.5	75	48	10
12	17	6	75	65	10
13	18	6.5	75	70	10
14	19	7	75	73	10

115G-150 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	150	67	10
8	12.7	4	150	70	10
10	14.5	4.5	150	77	10
12	17	6	150	95	10
13	18	6.5	150	100	10
14	19	7	150	105	10

115G-100 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	100	51	10
8	12.7	4	100	51	10
10	14.5	4.5	100	57	10
12	17	6	100	77	10
13	18	6.5	100	80	10
14	19	7	100	82	10

115G-200 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	200	86	10
8	12.7	4	200	89	10
10	14.5	4.5	200	96	10
12	17	6	200	119	10
13	18	6.5	200	125	10
14	19	7	200	128	10

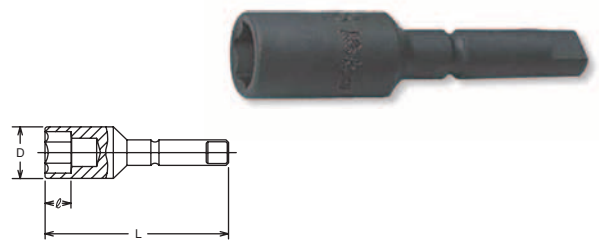


Sliding magnet system provides bolt clearance and magnetic function at the same time.
The item 115G is mainly designed for assembly line work.

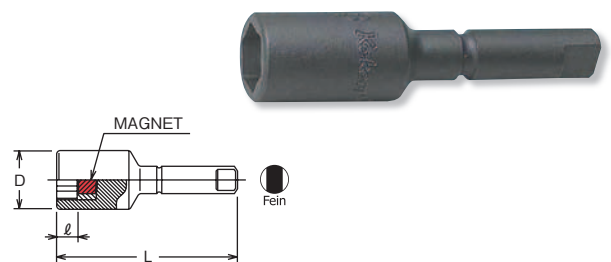
118 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	16	10
6	10	5	50	19	10
7	11	5	50	21	10
8	12	6	50	21	10
10	14	7	50	34	10
12	17	8	50	41	10
13	18	8	50	46	10

118 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	10	5	50	19	10
5/16	12	6	50	21	10
3/8	14	7	50	34	10
1/2	18	8	50	46	10

118 Nut Setters Steckschlüssel Klingen Embouts pour écrous



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



119 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	17	10
6	10	2.4	50	20	10
7	11	2.8	50	22	10
8	12	3.5	50	23	10
10	14	4.2	50	30	10
12	17	5.6	50	42	10
13	18	6	50	52	10

119 (inch)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	10	1.8	50	20	10
5/16	12	3.5	50	23	10
3/8	14	4.2	50	30	10

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

Adaptors
Verbindungsstücke
Adaptateurs

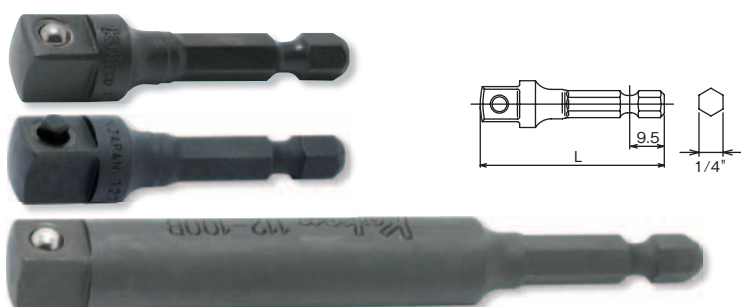


110		TYPE	L (mm)	(g)	(pcs.)
35B	1/4"	Ball	35	9	10
35P		Pin	35	9	10
50B		Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	34	10
100P		Pin	100	34	10
150B		Ball	150	54	10
150P		Pin	150	54	10

● DIN 3126 Form E 6.3

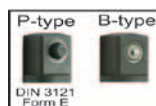
112-50B/-100B/-150B -50P/-100P/-150P

Adaptors
Verbindungsstücke
Adaptateurs



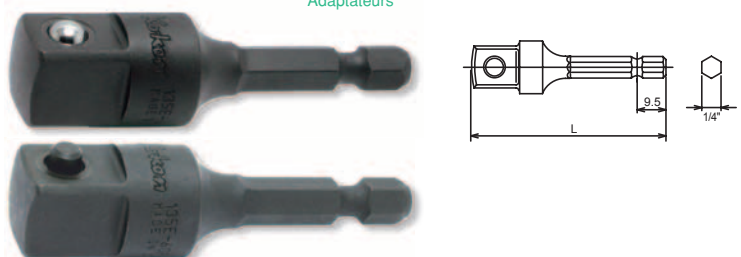
112		TYPE	L (mm)	(g)	(pcs.)
50B	3/8"	Ball	50	21	10
50P		Pin	50	21	10
100B		Ball	100	71	10
100P		Pin	100	71	10
150B		Ball	150	121	10
150P		Pin	150	121	10

● DIN 3126 Form E 6.3



135E-60B/-60P

Adaptors
Verbindungsstücke
Adaptateurs



135E		TYPE	L (mm)	(g)	(pcs.)
60B	1/2"	Ball	60	64	10
60P		Pin	60	46	10

● DIN 3126 Form E 6.3

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

Adaptors
Verbindungsstücke
Adaptateurs



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

● DIN 3126 Form G7

120-50B/-50P

Adaptors
Verbindungsstücke
Adaptateurs



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

● DIN 3126 Form E8

186-75P

Adaptor with Pin
Verbindungsstück mit Haltepin
Adaptateur avec Pin



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

● DIN 3126 Form E11.2

IMPACT

SOCKETS
STECKSCHLÜSSEL
DOUILLES

1/4"

3/8"

1/2"

5/8"

3/4"

1"

1-1/2"

2-1/2"

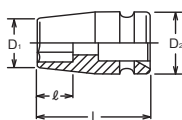
3-1/2"



12400M / 12400A



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



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

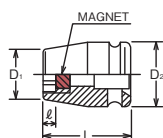
*1 Pin/O-Ring=1200A/B → P99

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

12400MG / 12400AG



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



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

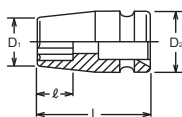
*1 Pin/O-Ring=1200A/B → P99

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

12410M



Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



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

*1 Pin/O-Ring=1200A/B → P99

SURFACE DRIVE

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

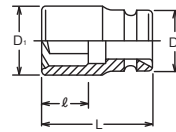
Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminium Schrauben und Schrauben bei denen die Ecken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

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

*1 Pin/O-Ring=1200A/B → P99

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 use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

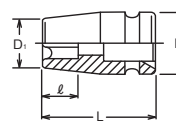
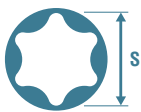
Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrschrauberschrauber) ganz besonders auswirkt.

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.

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

*1 Pin/O-Ring=1200A/B → P99

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
S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

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

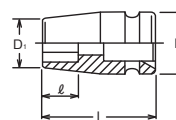
12460A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

*1 Pin/O-Ring=1200A/B → P99

12460M

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

12460A



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

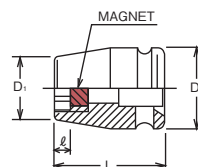
12460AG (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	2.4	23	16	10	*1
5/16	12.8	13	3.5	25	18	10	*1
3/8	15.3	13	4.2	28	20	10	*1
7/16	16.6	13	4.9	29	27	10	*1
1/2	19.1	13	6	30	23	10	*1

*1 Pin/O-Ring=1200A/B → P99

12460MG

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

12460AG



Impact Sockets Impact Steckschlüssel Douilles Impact

1/4"

12300M

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



12300M (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	
7	11.3	13	7	48	30	10	*1
8	12.5	13	8	48	32	10	*1
10	15	13	10	48	34	10	*1
12	17.5	13	12	48	49	10	*1
13	18.8	13	13	48	52	10	*1
14	20	13	14	48	57	10	*1

*1 Pin/O-Ring=1200A/B → P99

12365M

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



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

*1 Pin/O-Ring=1200A/B → P99

12300G

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



12300G (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	
8	12.5	13	4	48	32	10	*1
10	15	13	4.5	48	34	10	*1
12	17.5	13	6	48	49	10	*1
13	18.8	13	6.5	48	52	10	*1
14	20	13	7	48	57	10	*1

*1 Pin/O-Ring=1200A/B → P99

12139

Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12139-1/4	11	13	26	15	10	*1

*1 Pin/O-Ring=1200A/B → P99

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



12140

Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
12140-5/16	14	13	26	15	10	*1

*1 Pin/O-Ring=1200A/B → P99

For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour embouts DIN3126 C8



12142-F6.3

Impact Bit Holder
Impact Klingenhalter
Porte embout Impact



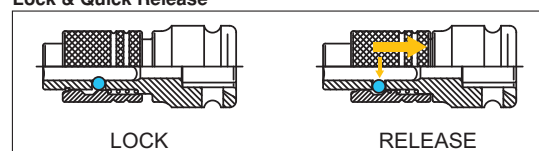
	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
New 12142-F6.3	16.5	13	36	22	10	*1

*1 Pin/O-Ring=1200A/B → P99

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



Lock & Quick Release

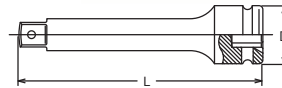


12760	D (mm)	L (mm)	(g)	(pcs.)	
55P	13	55	26	10	*1
75P	13	75	45	10	*1

*1 Pin/O-Ring=1200A/B → P99

12760-55P/-75P

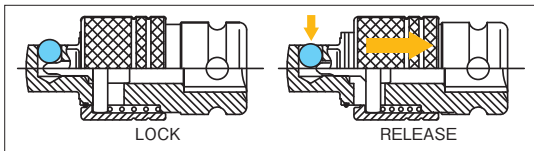
Extension Bars
Verlängerungen
Rallonges



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

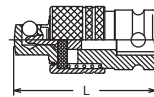
*1 Pin/O-Ring=1200A/B → P99

Lock & Quick Release



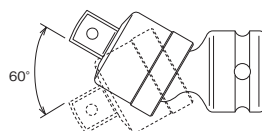
12222AL

Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück
Adaptateur autoserrant



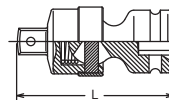
	L (mm)	(g)	(pcs.)	
12770-P	39	30	10	*1

*1 Pin/O-Ring=1200A/B → P99



12770-P

Universal Joint
Gelenk-Einsatz
Cardan universel

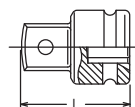


	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
12233A-P	1/4"	3/8"	22	15	10	*1

*1 Pin/O-Ring=1200A/B → P99

12233A-P

Adaptor
Verbindungsstück
Augmentateur



Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

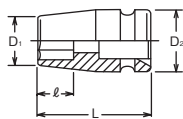
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

13400M / 13400A



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



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

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

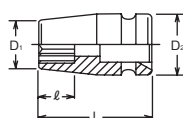
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P98-99

13405M / 13405A



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



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

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

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

→ P98-99

13405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
17	24.5	22	12	32	60	10	*2
19	27	22	12	32	67	10	*2

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

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

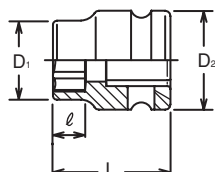
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P98-99

13401MS



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



13401MS (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2

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

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

→ P98-99

RS13401MS/5



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



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

3/8" Impact Sockets Impact Steckschlüssel Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

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

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

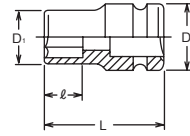
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P98-99

13401M 13401A



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



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

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

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

→ P98-99

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

RS13401M/9



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



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

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

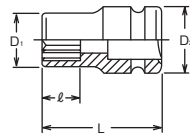
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P98-99

13406M 13406A



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



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

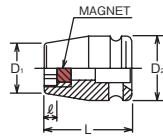
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

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

→ P98-99

13400MG / 13400AG

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



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

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

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

→ P98-99

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

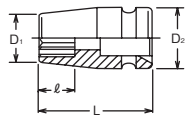
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

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

→ P98-99

13410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



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

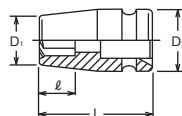
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

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

→ P98-99

13465M

Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder



PATHFINDER®

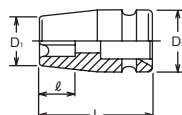
The beveled flats of the 6-points opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

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

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

13425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



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

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

→ P98-99

3/8"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

13425-EPL (EPL)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8EPL	12	19	5.2	32	44	10	*1
10EPL	13.3	19	6.2	32	44	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

13460M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
13	20.3	22	10	32	60	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

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

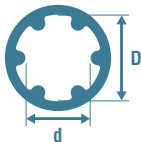
13460AG (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

LHSTIX®
(LH-S)



LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
D	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0
d	(ref. mm)	5.60	6.78	9.04	11.30	13.56	15.82	18.08

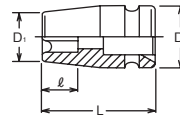
13400-WN	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6WN	15.8	19	6	32	48	10	*1
8WN	18.3	19	8	32	48	10	*1
9WN	19.5	22	9	32	47	10	*2
10WN	20.8	22	10	32	65	10	*2
12WN	24.5	22	12	32	73	10	*2
14WN	27	22	14	32	79	10	*2
17WN	32	22	17	35	110	10	*2

*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

TORXplus is a registered trademark of Acument Intellectual Properties, LLC.
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LHSTIX est une marque déposée de OSG CORPORATION System Engineering Department.

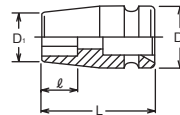
13425-EPL
TORXplus®



TORX PLUS® Sockets
TORX PLUS® Steckschlüssel
Douilles TORX PLUS®



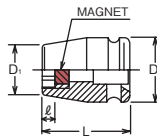
13460M / 13460A



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



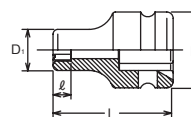
13460MG
13460AG



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



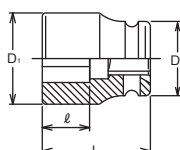
13401LH



LHS Sockets
Steckschlüssel mit LHS Profil
Douilles au profil LHS



13400-WN



Weld Nut Sockets



Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

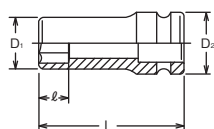
SLEEVE-DRIVE SOCKETS

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 ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	8	50	40	10	*1
10	14.8	18.5	10	50	46	10	*1
11	16	18.5	11	50	49	10	*1
12	17.3	18.5	12	50	53	10	*1
13	18.5	21.5	13	50	67	10	*2
14	19.8	21.5	14	50	70	10	*2
15	21	21.5	15	50	75	10	*2
16	22.3	21.5	16	50	78	10	*2
17	23.5	21.5	17	50	82	10	*2
New 18	24.8	21.5	18	50	86	10	*2
19	26	21.5	19	50	93	10	*2
21	28.5	21.5	21	50	104	10	*2
22	29.8	21.5	22	50	110	10	*2
23	31	21.5	23	50	115	10	*2
24	32.3	21.5	24	50	120	10	*2

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

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

⇒ Pg8-99

RS13301X/9

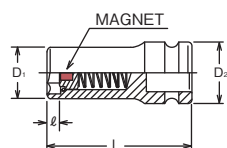
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



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, glissante pour écrous



13300XG (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	4	50	40	10	*1
10	15.8	19	4.5	50	46	10	*1
12	18.3	19	6	50	55	10	*1
13	19.5	22	6.5	50	70	10	*2
14	20.8	22	7	50	75	10	*2

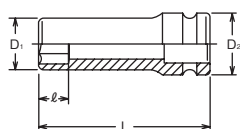
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

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

⇒ Pg8-99

13300M / 13300A

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



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

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

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

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

⇒ Pg8-99

3/8" Impact Sockets Impact Steckschlüssel Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

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

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

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

*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

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

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

*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

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

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

*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

13310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
New 7	11	18.5	7	80	70	10	*1
8	13.3	19	8	80	90	10	*1
9	14.5	19	9	80	90	10	*1
10	15.8	19	10	80	97	10	*1
11	17	19	11	80	110	10	*1
12	18.3	19	12	80	105	10	*1
13	19.5	22	13	80	135	10	*2
14	20.8	22	14	80	145	10	*2
15	22	22	15	80	160	10	*2
16	23.3	22	16	80	156	10	*2
17	24.5	22	17	80	168	10	*2
19	27	22	19	80	190	10	*2

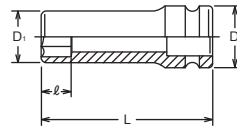
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

*2 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

13301M 13301A



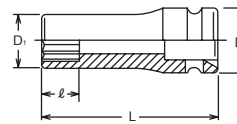
6-point Deep Socket, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans



13305M



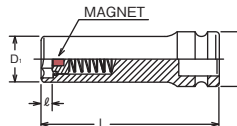
12-point Sockets, deep
12-kant Steckschlüssel, lang
Douilles longues, 12-pans



13300G



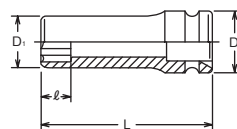
Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissante pour écrous



13310M



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



Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

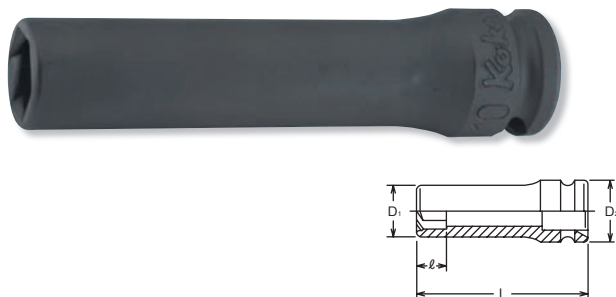
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

13365M



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



13365M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	8	80	99	10	*1
11	17	19	8	80	108	10	*1
12	18.3	19	9	80	110	10	*1
13	19.5	22	9	80	142	10	*2
14	20.8	22	11	80	144	10	*2
15	22	22	11	80	150	10	*2
16	23.3	22	11	80	159	10	*2
17	24.5	22	12	80	170	10	*2
18	25.8	22	13	80	201	10	*2
19	27	22	13	80	203	10	*2

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

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

→ P98-99

13440M / 13440A



Universal Sockets
Gelenk-Einsätze
Douilles universelles



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

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

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

→ P98-99

13440T



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



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

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

→ P98-99

13430M



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



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

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

→ P98-99

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

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

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

13145M-100 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	100	91	1	*1
12	18.3	19	12	100	100	1	*1

13145M-150 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	150	120	1	*1
12	18.3	19	12	150	128	1	*1

13145M-200 (12P) (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	10	200	151	1	*1
12	18.3	19	12	200	159	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

For Land Rover Prop Shaft

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

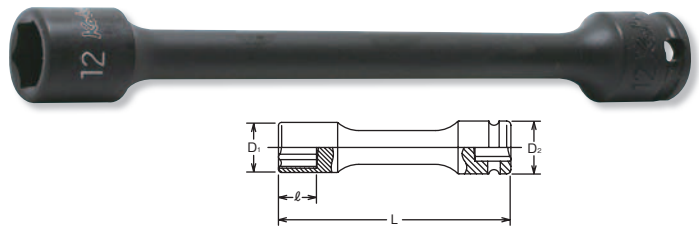
13145MG-150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	15.8	19	4.2	150	125	1	*1
12	18.3	19	5.6	150	136	1	*1
13	19.5	19	6	150	145	1	*1
14	20.8	19	6.4	150	150	1	*1

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

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

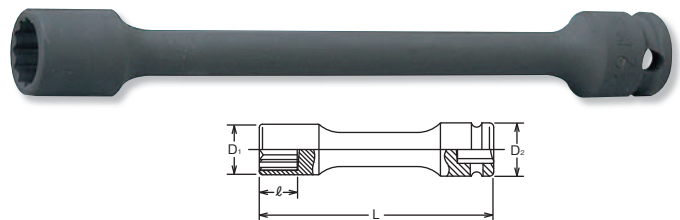
Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée



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

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

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



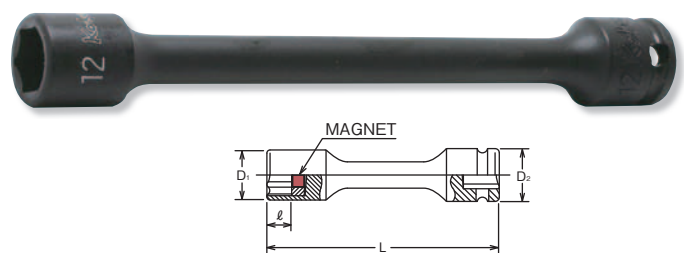
13145A-150

Extra Long Socket
Schaftsteckschlüssel
Douille, série allongée



13145MG-100/-150/-200

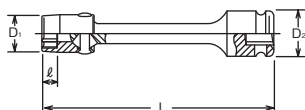
Extra Long Socket with Magnet
Schaftsteckschlüssel mit Magnet
Douille, série allongée, avec aimant



13146M-150/-200/-250



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



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

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

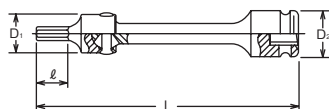
13146M-250 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
8	12	19	6	250	190	1	*1
10	14.3	19	7	250	193	1	*1
12	18	19	8	250	195	1	*1
13	19.3	19	8.5	250	194	1	*1
14	20	19	9	250	194	1	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

13147M-150/-200



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



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

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99



13103M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
5(0.8)	9.5	19	8	32	39	10	*1
6(1.0)	10.8	19	9	32	41	10	*1
7(1.0)	12.5	19	10	32	44	10	*1
8(1.25)	13.5	19	10.5	35	49	10	*1
10(1.25)	15.8	19	13	35	49	10	*1
10(1.5)	15.8	19	13	35	49	10	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

A special socket for installing a stud bolt.

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

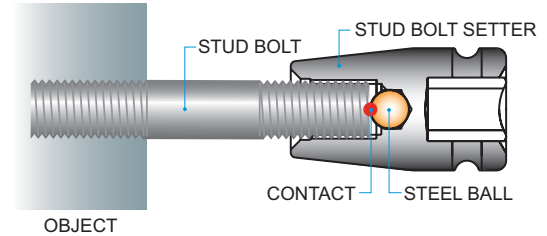
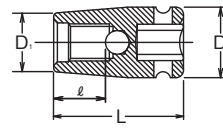
Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf den Stahlbolzen, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

Douilles spéciales pour monter les goujons.

Le goujon est en contact avec une bille d'acier pour l'empêcher d'adhérer à la douille.

Après avoir posé le goujon, tourner dans le sens antihorlogique pour retirer

13103M Impact Stud Bolt Setters Impact Stehbolzensetzer Monte-goujons Impact



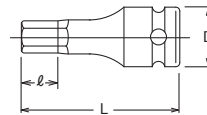
13012M-52 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
4	18	15.5	52	35	10	*1
5	18	15.5	52	35	10	*1
6	18	15.5	52	39	10	*1
7	18	15.5	52	44	10	*1
8	21	15.5	52	60	10	*2
10	21	15.5	52	70	10	*2
12	21	15.5	52	79	10	*2
14	21	15.5	52	92	10	*2

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

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

→ P98-99

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



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

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



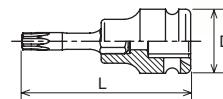
13025-50 (T)	D (mm)	L (mm)	(g)	(pcs.)	⚡
T20	19	50	35	10	*1
T25	19	50	35	10	*1
T27	19	50	38	10	*1
T30	19	50	38	10	*1
T40	19	50	45	10	*1
T45	19	50	45	10	*1
T50	19	50	50	10	*1
T55	22	50	72	10	*2

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

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

→ P98-99

13025-50 TORX® Bit Sockets TORX® Bit-Steckschlüssel Douilles tournevis, TORX®



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

RS13025/8-L50 Socket Set on Rail Steckschlüsselsatz auf Schiene Jeu de douilles sur rail



Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

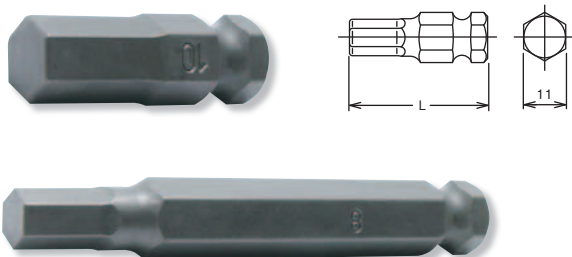
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

107-11



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



107-11 (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
5/8	35	47	10
3/4	35	56	10

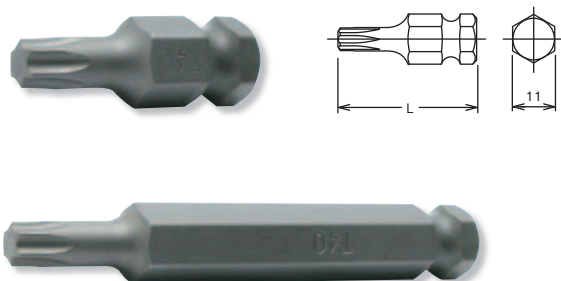
107-11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107-11(L80) (mm)	L (mm)	(g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

107-11 (T)



TORX® Bits
TORX® Klingen
Embouts, TORX®



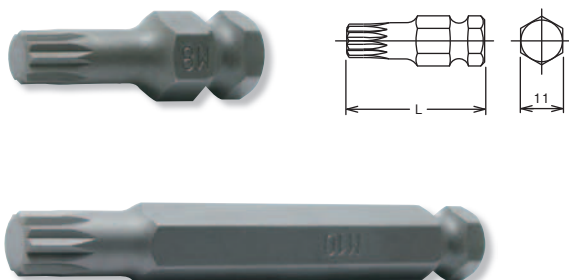
107-11 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10

107-11(L80) (T)	L (mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45	80	56	10
T50	80	57	10
T55	80	66	10
T60	80	76	10

107-11 (XZN)



Bits XZN
Klingen XZN
Embouts de vissage, XZN



107-11 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10

107-11(L80) (XZN)	L (mm)	(g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

13105-11 (mm)	L (mm)	(g)	(pcs.)	
3	54	87	10	*1
4	54	87	10	*1
5	54	88	10	*1
6	54	89	10	*1
7	54	90	10	*1
8	54	92	10	*1
10	54	96	10	*1
12	54	101	10	*1
14	54	108	10	*1
17	54	120	10	*1
19	54	128	10	*1

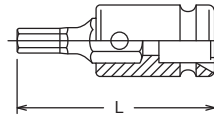
13105-11 (inch)	L (mm)	(g)	(pcs.)	
1/4	54	89	10	*1
5/16	54	92	10	*1
3/8	54	96	10	*1
1/2	54	108	10	*1
3/4	54	128	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

13105-11



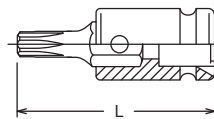
Bit Holder complete with Bit
Klingenhalter, komplett mit Klinge
Porte embout avec bit



13105-11 (T)



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



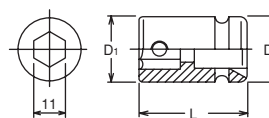
13105-11 (T)	L (mm)	(g)	(pcs.)	
T30	54	87	10	*1
T40	54	87	10	*1
T45	54	87	10	*1
T50	54	92	10	*1
T55	54	96	10	*1
T60	54	101	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

13105



Bit Holder
Klingenhalter
Porte embout



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13105	22	22	32	70	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99



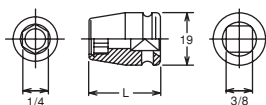
Replacement Screw : M5x6, ● 2.5mm
Ersatzschraube : M5x6, ● 2.5mm
Vis de remplacement : M5x6, ● 2.5mm



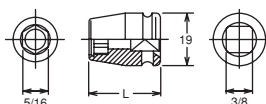
Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

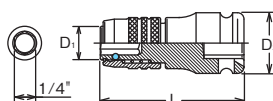
13139 Bit Holder Klingenhalter Porte-embout



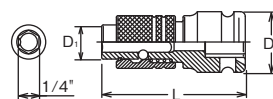
13140 Bit Holder Klingenhalter Porte-embout



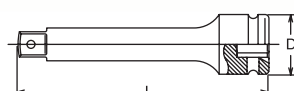
13142-D6.3 Impact Bit Holder (Quick Release) Impact Kingenhalter (Schnellwechselfutter) Porte embout Impact (mandrin autoserrant)



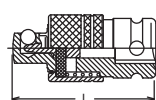
13142-F6.3 Impact Bit Holder (Quick Release) Impact Kingenhalter (Schnellwechselfutter) Porte embout Impact (mandrin autoserrant)



13760-75P/-125P/-250P Extension Bars Verlängerungen Rallonges



13333AL Adaptor (Quick Release) Verbindungsstück (Quick Release) Adaptateur (Quick Release)



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

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

→ P98-99

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



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

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

→ P98-99

For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour embouts DIN3126 C8



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

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

→ P98-99

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



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

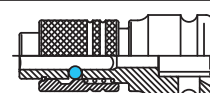
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

→ P98-99

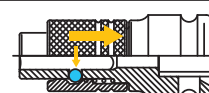
For DIN3126 E6.3 Bits
Für DIN3126 E6.3 Bits
Pour embouts DIN3126 E6.3



Lock & Quick Release



LOCK



RELEASE

13760 (mm)	D (mm)	L (mm)	(g)	(pcs.)	
75P	22	75	95	10	*1
125P	22	125	141	10	*1
250P	22	250	210	10	*1

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

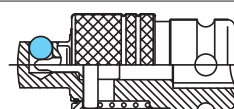
→ P98-99

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

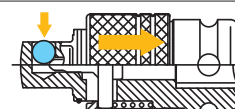
*1 C-Ring=1301C, Pin/O-Ring=1301A/B

→ P98-99

Lock & Quick Release



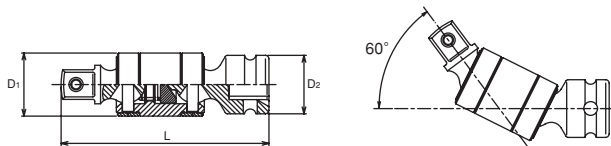
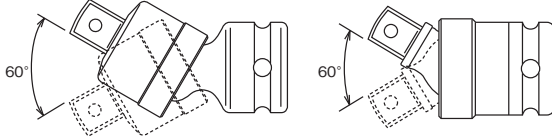
LOCK



RELEASE

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

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99



	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
13772-P	22	19	75	120	5	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

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

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

⚠ 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.)	
13344A-P	3/8"	1/2"	32.5	53	10	*1

*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

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

Sockets

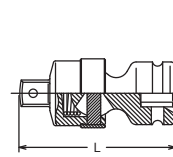
⚠ **13400M** 6-pt. Sockets
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

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

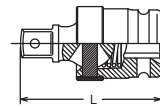
Sockets

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

13770-P Universal Joint Gelenk-Einsatz Cardan universel



13771-P Universal Joint Gelenk-Einsatz Cardan universel

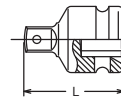


13772-P Universal Double Joint Doppelgelenk-Einsatz Cardan universel double

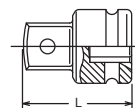
PATENT P.



13322A-P Adaptor Verbindungsstück Réducteur ⚠



13344A-P Adaptor Verbindungsstück Augmentateur



13241M Socket Set Steckschlüssel Satz Jeu de clés à douille

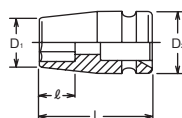


13242M Socket Set Steckschlüssel Satz Jeu de clés à douille



14400M / 14400A

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



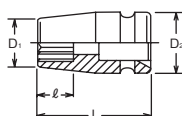
14400A (inch)	D ₁ (mm)	D ₂ (mm)	l (mm)	L (mm)	(g)	(pcs.)	
New 1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2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

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

⇒ Pg8-99

14405M / 14405A

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



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

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

⇒ Pg8-99

RS14405M/11

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



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

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

⇒ Pg8-99

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

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

⇒ Pg8-99

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

1/2"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

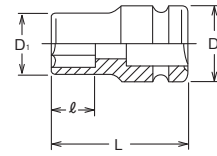
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

14401M 14401A



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



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

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

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

→ P98-99

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

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

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

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

→ P98-99

RS14401M/10



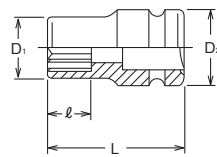
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



14406M 14406A



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



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

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

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

→ P98-99

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

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

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

→ P98-99

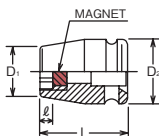
Kokoro TOOL CO., LTD.

041

14400MG



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



14400MG (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	13.5	38	165	10	*2

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

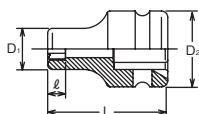
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P98-99

14401LH



LHS Sockets
Steckschlüssel mit LHS Profil
Douilles au profil LHS



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

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

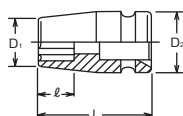
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P98-99

14410M



Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



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

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

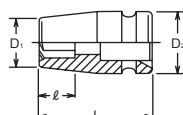
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P98-99

14465M



Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder



14465M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
25	35.7	30	15	38	133	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

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

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

→ P98-99

SURFACE DRIVE

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

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 polis, ceux en aluminium ou arrondis.

PATHFINDER®

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

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 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.

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

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

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

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

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

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

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

14301X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	60	72	10	*1
10	15.5	24	10	60	79	10	*1
11	16.7	24	11	60	82	10	*1
12	18	24	12	60	88	10	*1
13	19.2	24	13	60	92	10	*1
14	20.5	24	14	60	97	10	*1
15	21.7	29	15	60	125	10	*2
16	23	29	16	60	135	10	*2
17	24.2	29	17	60	142	10	*2
18	25.5	29	18	60	148	10	*2
19	26.7	29	19	60	151	10	*2
21	29.2	29	21	60	170	10	*2
22	30.5	29	22	65	187	10	*2
23	31.7	29	23	65	192	10	*2
24	33	29	24	65	202	10	*2
26	35.5	29	26	65	218	10	*2
27	36.7	29	27	65	231	10	*2

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

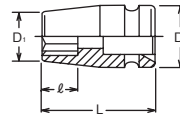
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

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

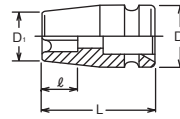
TORX is a registered trademark of Acument Intellectual Properties, LLC.
TORX ist ein registriertes Markenzeichen der Firma Acument Intellectual Properties, LLC.
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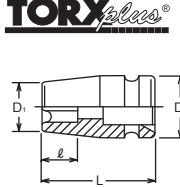
14415M Double 4-point Socket Doppelvierkant Steckschlüssel Douilles 4-pans, doubles



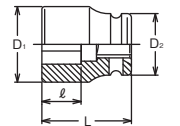
14425 TORX® Sockets TORX® Steckschlüssel Douilles TORX®



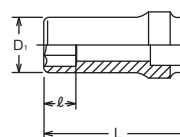
14425-EPL TORX PLUS® Sockets TORX PLUS® Steckschlüssel Douilles TORX PLUS®



14400-WN Weld Nut Sockets



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

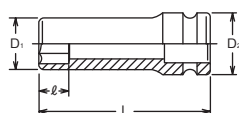


Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

14300M / 14300A

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



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

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

→ P98-99

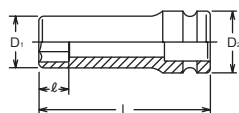
14300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	80	137	10	*1
9	15.7	25	9	80	138	10	*1
10	17	25	10	80	140	10	*1
11	18.2	25	11	80	156	10	*1
12	19.5	25	12	80	162	10	*1
13	20.7	25	13	80	162	10	*1
14	22	25	14	80	174	10	*1
15	23.2	30	15	80	220	10	*2
16	24.5	30	16	80	232	10	*2
17	25.7	30	17	80	232	10	*2
18	27	30	18	80	232	10	*2
19	28.2	30	19	80	259	10	*2
20	29.5	30	20	80	265	10	*2
21	30.7	30	21	80	265	10	*2
22	32	30	22	85	290	10	*2
23	33.2	30	23	85	300	10	*2
24	34.5	30	24	85	329	10	*2
25	35.7	30	25	85	345	10	*2
26	37	30	26	85	350	10	*2
27	38.2	30	27	85	385	10	*2
28	39.5	30	28	85	390	10	*2
29	40.7	30	29	85	416	10	*2
30	42	30	30	85	457	10	*2
31	43.2	30	31	85	505	10	*2
32	44.5	30	32	85	542	10	*2
33	45.7	30	33	85	562	2	*2
34	47	30	33	85	570	2	*2
35	48.2	30	35	85	600	2	*2
36	49.5	30	36	85	640	2	*2
41	55.7	30	38	85	690	2	*2

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

→ P98-99

14301M / 14301A

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



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

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

→ P98-99

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

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

→ P98-99

14305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	80	137	10	*1
10	17	25	10	80	140	10	*1
11	18.2	25	11	80	156	10	*1
12	19.5	25	12	80	162	10	*1
13	20.7	25	13	80	162	10	*1
14	22	25	14	80	174	10	*1
15	23.2	30	15	80	220	10	*2
16	24.5	30	16	80	232	10	*2
17	25.7	30	17	80	232	10	*2
18	27	30	18	80	232	10	*2
19	28.2	30	19	80	259	10	*2
20	29.5	30	20	80	265	10	*2
21	30.7	30	21	80	265	10	*2
22	32	30	22	85	290	10	*2
24	34.5	30	24	85	329	10	*2
27	38.2	30	27	85	385	10	*2
28	39.5	30	28	85	390	10	*2
30	42	30	30	85	457	10	*2
32	44.5	30	32	85	542	10	*2
36	49.5	30	36	85	635	2	*2

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

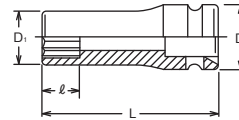
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P98-99

14305M



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



14306M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	24	10	80	98	10	*1
12	18	24	12	80	111	10	*1
13	19.2	24	13	80	120	10	*1
14	20.5	24	14	80	127	10	*1
15	21.7	29	15	80	169	10	*2
16	23	29	16	80	173	10	*2
17	24.2	29	17	80	182	10	*2
18	25.5	29	18	80	192	10	*2
19	26.7	29	19	80	197	10	*2
21	29.2	29	21	80	218	10	*2
22	30.5	29	22	85	244	10	*2
24	33	29	24	85	261	10	*2
27	36.7	29	27	85	314	10	*2
30	40.5	29	30	85	360	10	*2
32	43	29	32	85	380	10	*2

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

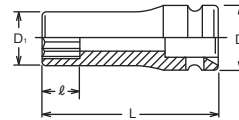
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P98-99

14306M



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



14310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	17	25	10	80	136	10	*1
11	18.2	25	11	80	148	10	*1
12	19.5	25	12	80	156	10	*1
13	20.7	25	13	80	158	10	*1
14	22	25	14	80	170	10	*1
15	23.2	30	15	80	225	10	*2
16	24.5	30	16	80	228	10	*2
17	25.7	30	17	80	232	10	*2
18	27	30	18	80	232	10	*2
19	28.2	30	19	80	252	10	*2
20	29.5	30	20	80	260	10	*2
21	30.7	30	21	80	260	10	*2
22	32	30	22	85	290	10	*2
23	33.2	30	23	85	300	10	*2
24	34.5	30	24	85	322	10	*2
25	35.7	30	25	85	338	10	*2
26	37	30	26	85	350	10	*2
27	38.2	30	27	85	380	10	*2
28	39.5	30	28	85	390	10	*2
29	40.7	30	29	85	416	10	*2
30	42	30	30	85	450	10	*2
31	43.2	30	31	85	505	10	*2
32	44.5	30	32	85	535	10	*2
34	47	30	34	85	563	2	*2
36	49.5	30	36	85	630	2	*2

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

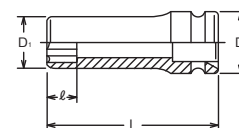
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P98-99

14310M



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



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

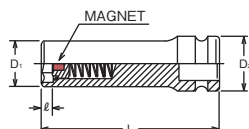
IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

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



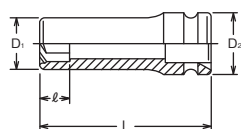
14300G (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)	
10	17	25	4.5	80	139	10	*1
12	19.5	25	6	80	165	10	*1
13	20.7	25	6.5	80	185	10	*1
14	22	25	7	80	189	10	*1
New 16	24.5	30	7.5	80	270	10	*2
New 17	25.7	30	8	80	272	10	*2
18	27	30	8.5	80	290	10	*2
19	28.2	30	9	80	308	10	*2

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

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

→ P98-99

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



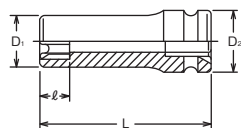
14365M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)	
10	17	25	8	80	138	10	*1
11	18.2	25	8	80	144	10	*1
12	19.5	25	9	80	165	10	*1
13	20.7	25	9	80	170	10	*1
14	22	25	11	80	178	10	*1
15	23.2	30	11	80	237	10	*2
16	24.5	30	11	80	245	10	*2
17	25.7	30	12	80	263	10	*2
18	27	30	13	80	268	10	*2
19	28.2	30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

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

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

→ P98-99

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



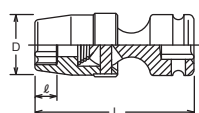
14325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pcs.)	
E10	14.2	25	8.2	80	136	10	*1
E12	15.2	25	9.3	80	141	10	*1
E14	18.2	25	10.6	80	147	10	*1
E16	19.2	25	11.8	80	151	10	*1
E18	22.2	25	13	80	218	10	*1
E20	24.2	30	14.4	80	225	10	*2

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

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

→ P98-99

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



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

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

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

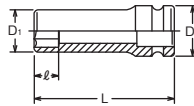
→ P98-99

AN14300 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
17	25.7	30	17	80	85	10	*1
19	28.2	30	19	80	89	10	*1
21	30.7	30	21	80	93	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

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



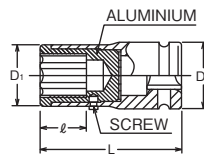
AR14300 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
17	28	30	21	65	220	10	*1
19	30	30	24	65	223	10	*1
21	33	30	25	65	237	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

AR14300

Impact Sockets with exchangeable Aluminium Inlets
Impact Steckschlüssel mit auswechselbarem Aluminium Einsatz
Douilles Impact avec cartouche en aluminium remplaçable

PATENTED

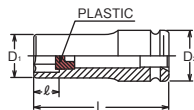


14113J (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
17	25.7	30	14	80	251	10	*1
19	28.2	30	16	80	286	10	*1
21	30.7	30	20	80	309	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

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

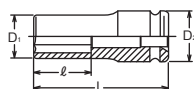


14113M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
17	25.7	30	34	80	230	10	*1
19	28.2	30	38	80	262	10	*1
21	30.7	30	42	80	285	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

14113M

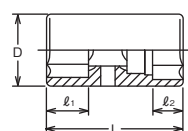
For Hub Cap Screws
Für Zier-Radmuttern
Pour écrous de roue décoratifs



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

14118M

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



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

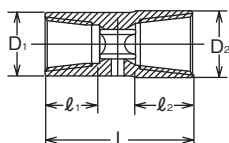
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

14124 Lock Nut Busters (Double Ended) Felgenschloss-Knacker, doppelseitig Douilles taraudées à ouvertures doubles pour dévissier les écrous ou goujons de roue antivols.

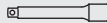
PATENTED



14124 (mm)	D ₁ (mm)	D ₂ (mm)	l ₁ (mm)	l ₂ (mm)	L (mm)	(g)	(pcs.)
21×24.5	28	29.5	24	25	65	157	10
26×27.5	31.5	35	24.5	24.5	65	197	10

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

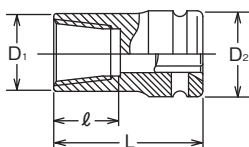


14124/3		3 Pieces Set/△=580g	
CARDBOARD BOX:W125×H91×T43mm			
Sockets		Accessory	
	14124 21×24.5 26×27.5		14760-75B



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

PATENTED



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

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

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

→ P98-99

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

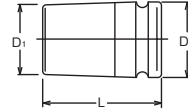


RS14124/7	7 Pieces Set/Rail 250mm	(g)
18, 18.5, 19, 21, 24.5, 26, 27.5		980

14100M / 14100A

Impact Screw and Stud Pullers
Impact Stehbolzendreher
Extracteurs de goujons Impact

PATENTED



14100M (mm)	D ₁ (mm)	D ₂ (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 ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
1/4	24	25	48	126	10	*1
5/16	24	25	48	122	10	*1
3/8	28	30	48	181	10	*2
7/16	28	30	48	181	10	*2
1/2	28	30	48	180	10	*2

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

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

Tolerance

14100M (mm)	14100A (inch)
6	5.6- 6
7	6.6- 7
8	7.6- 8
9	8.4- 9
10	9.4-10
12	11.4-12



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.

14103M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6(1.0)	12	25	10	38	75	10	*1
7(1.0)	13.2	25	11.4	38	78	10	*1
8(1.25)	14.5	25	11.5	38	81	10	*1
10(1.25)	17	25	13.5	44	106	10	*1
10(1.5)	17	25	13.5	44	106	10	*1
12(1.25)	19.5	25	15.5	44	107	10	*1
12(1.75)	19.5	25	15.5	44	107	10	*1
14(1.5)	22	25	18.2	48	128	10	*1
14(2.0)	22	25	18.2	48	128	10	*1

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

→ P98-99

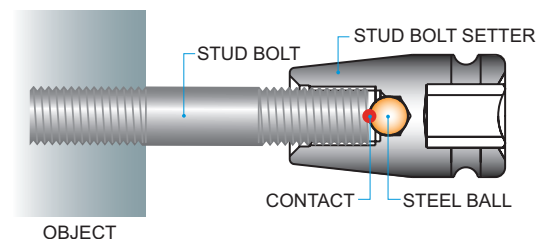
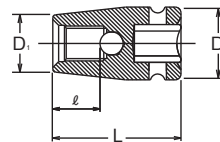
A special socket for installing a stud bolt.
Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

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

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

14103M

Impact Stud Bolt Setters
Impact Stehbolzensetzer
Monte-goujons Impact



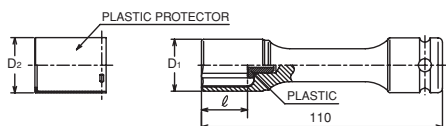
Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

14145PM-110



Wheel Nut Sockets
Radmuttern Steckschlüssel
Douilles pour écrous de roue



14145PM-110 (mm)	D ₁ (mm)	D ₂ (mm)	l (mm)	Shaft Color	(g)	(pcs.)	
17	23.7	25.2	21	Blue	223	5	*1
19	25.7	27.2	23	Red	231	5	*1
21	27.5	29	25	Yellow	236	5	*1
22	29	30.5	26	White	248	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

14201M



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 Plastikeinsatz schützt die Radmutter vor Beschädigungen.

Douilles spécialement conçues pour les écrous de roues :

- 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.

14201M

3 Pieces Set/△=690g

CARDBOARD BOX:W125xH95xT34mm

Sockets

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



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.
- 198-21 : Spare Plastic Protector for 14145PM-110-21 : 10 pcs.
- 198-22 : Spare Plastic Protector for 14145PM-110-22 : 10 pcs.

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

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

For Land Rover Prop Shaft

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

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

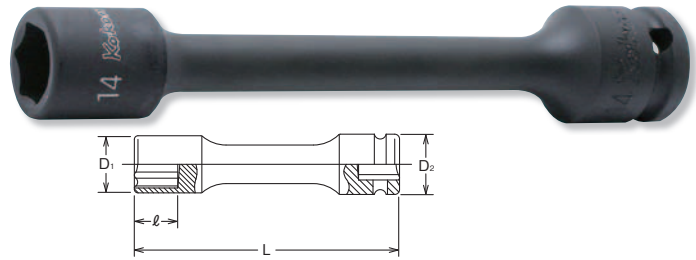
14147M-150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

14145M-150/-200/-250

Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée



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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

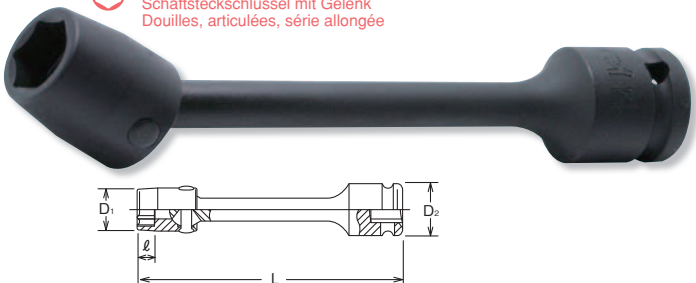
14145A-150

Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée



14146M-150/-200/-250

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

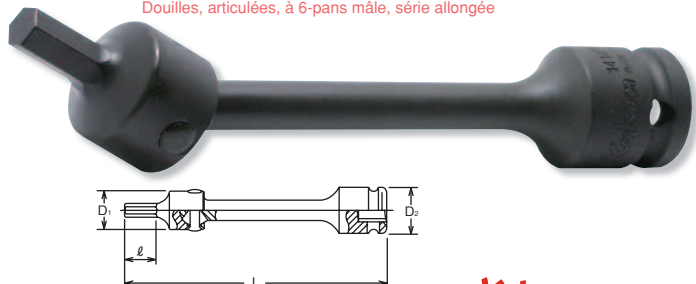


14146M-250 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

14147M-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

1/2"

BITS, NUT SETTERS AND ADAPTORS

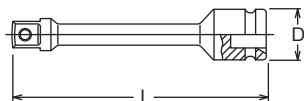
IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

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=1401C, Pin/O-Ring=1401A/B → P98-99

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



14101M (mm×Nm)	D (mm)	l (mm)	L (mm)	(g)	(pce.)	
14x 95Nm	22	11	208	230	1	*1
15x110Nm	23.2	11	201	230	1	*1
17x 60Nm	25.7	12	216	227	1	*1
17x 75Nm	25.7	12	228	240	1	*1
17x 95Nm	25.7	12	214	256	1	*1
17x110Nm	25.7	12	204	285	1	*1
17x120Nm	25.7	12	200	284	1	*1
19x 60Nm	28.2	13	219	237	1	*1
19x 90Nm	28.2	13	259	275	1	*1
19x110Nm	28.2	13	214	278	1	*1
19x120Nm	28.2	13	203	297	1	*1
19x135Nm	28.2	13	206	339	1	*1
19x170Nm	28.2	13	190	332	1	*1
21x100Nm	30.7	14	214	288	1	*1
21x120Nm	30.7	14	203	288	1	*1
22x160Nm	32	15	209	385	1	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

How to use Torsion Bar:

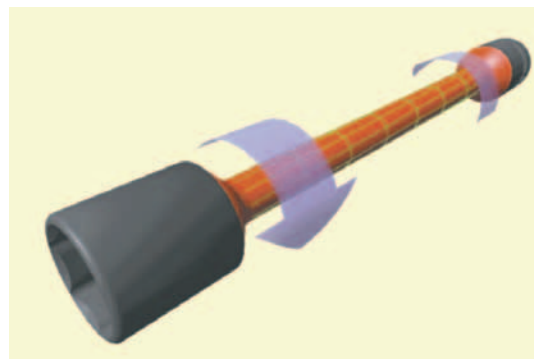
1. Use with a 1/2" Sq. Dr. Pneumatic impact wrench.
2. Set air pressure 0.6MPa, and set impact wrench dial Medium range.
3. Chose a suitable Torsion bar according to wheel nut size and indicated tightening torque.
4. Attach the torsion bar to impact wrench and apply load.
5. Check the actual tightening torque value with torque wrench.
6. Adjust air pressure or torque value according to the results of check 5.
7. Tight other wheel nut in diagonal order.

Anwendung der Torsionsstäbe:

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

Conseils d'utilisation:

1. A utiliser avec une visseuse à chocs pneumatique en carré entraînant 1/2".
2. Choisissez comme pression d'air 0.6MPa 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. Serrer 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.

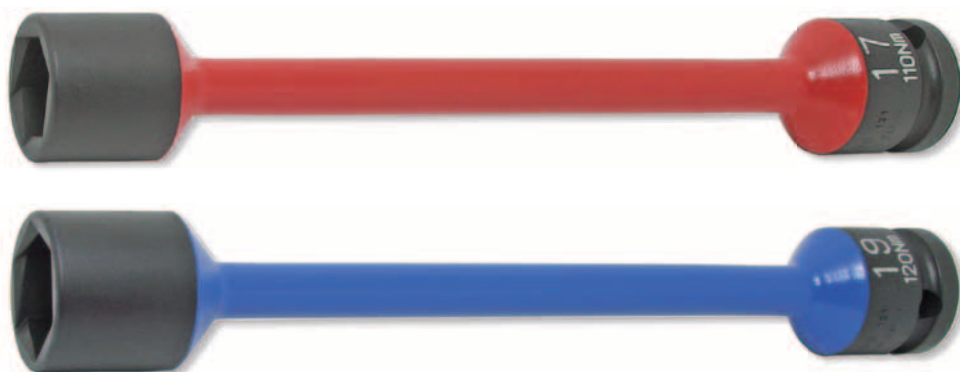
Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/Torsionsstab mittels eines Drehmomentschlüssels.

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.

14101MP



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



14101MP (mm×Nm)	D (mm)	ℓ (mm)	L (mm)	Shaft Color	⚙ (pcs.)	⚡
17× 95Nm	25.7	12	214	Yellow	10	*1
17×110Nm	25.7	12	204	Red	10	*1
17×120Nm	25.7	12	200	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	203	Blue	10	*1
19×140Nm	28.2	13	199	Orange	10	*1
21×100Nm	30.7	14	214	Black	10	*1
21×120Nm	30.7	14	203	Brown	10	*1
22×150Nm	30.7	14	220	Purple	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99



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

Torsion Bar



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

Torsion Bars

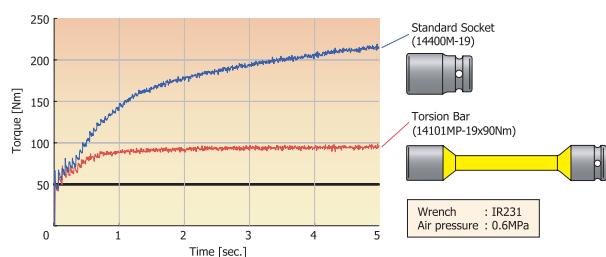
- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Color coded shafts make size identification easy.

Torsionsstäbe

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

Barres de torsion

- Pour le montage d'écrous de roue avec visseuse à chocs.
- Protège l'écrou 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



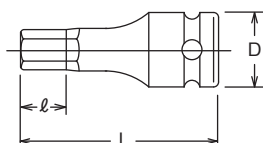
Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

14012M-60



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



14012M-60 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
4	25	15.5	60	68	10	*1
5	25	15.5	60	71	10	*1
6	25	15.5	60	74	10	*1
7	25	15.5	60	80	10	*1
8	25	15.5	60	84	10	*1
10	30	15.5	60	140	10	*2
12	30	15.5	60	150	10	*2
14	30	15.5	60	170	10	*2
17	30	15.5	60	190	10	*2
19	30	15.5	60	210	10	*2

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

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

→ P98-99

RS14012M/10-L60



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

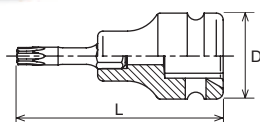


RS14012M/10-L60	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,300

14025-60



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



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

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

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

→ P98-99

RS14025/6-L60



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



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

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14105	22	30	38	126	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

Replacement Screw : M5x6, ● 2.5mm
Ersatzschraube : M5x6, ● 2.5mm
Vis de remplacement : M5x6, ● 2.5mm

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14105L	22	30	43	160	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

107-11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107-11(L80) (mm)	L (mm)	(g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

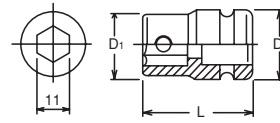
107-11 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10

107-11(L80) (T)	L (mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45	80	56	10
T50	80	57	10
T55	80	66	10
T60	80	76	10

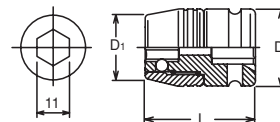
107-11 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10

107-11(L80) (XZN)	L (mm)	(g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

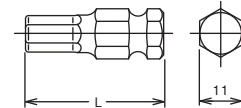
14105 Bit Holder Klingenhalter Porte-embouts



14105L Bit Holder (Quick Release) Klingenhalter mit Schnellwechselfutter Porte embout (Quick Release)

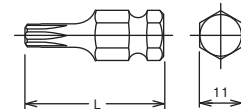


107-11 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embout pour vis 6-pans males creux

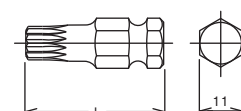


107-11 (inch)	L (mm)	(g)	(pcs.)
3/16	35	16	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10

107-11 (T) TORX® Bits TORX® Klingen Embout, TORX®



107-11 (XZN) Bits XZN Klingen XZN Embout de vissage, XZN



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

14105-11



Bit Holder complete with Bit
Klingenhälter, komplett mit Klinge
Porte embout avec bit



14105-11 (inch)	L (mm)	(g)	(pcs.)	
1/4	60	144	10	*1
5/16	60	146	10	*1
3/8	60	152	10	*1
1/2	60	164	10	*1
3/4	60	182	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

14105-11 (T)



Bit Holder complete with TORX® Bit
Klingenhälter, komplett mit TORX® Klinge
Porte embout avec bit TORX®



14105-11 (mm)	L (mm)	(g)	(pcs.)	
3	60	141	10	*1
4	60	142	10	*1
5	60	142	10	*1
6	60	144	10	*1
7	60	145	10	*1
8	60	146	10	*1
10	60	152	10	*1
11	60	154	10	*1
12	60	157	10	*1
14	60	164	10	*1
16	60	173	10	*1
17	60	176	10	*1
18	60	179	10	*1
19	60	182	10	*1

14105-11 (T)	L (mm)	(g)	(pcs.)	
T30	60	144	10	*1
T40	60	146	10	*1
T45	60	152	10	*1
T50	60	157	10	*1
T55	60	160	10	*1
T60	60	164	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

14105-11 (XZN)



Bit Holder complete with XZN Bit
Klingenhälter, komplett mit XZN Klinge
Porte embout avec bit XZN



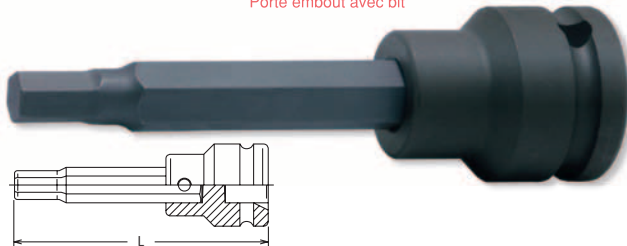
14105-11 (XZN)	L (mm)	(g)	(pcs.)	
M 4	60	144	10	*1
M 5	60	146	10	*1
M 6	60	152	10	*1
M 8	60	157	10	*1
M10	60	160	10	*1
M12	60	164	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

14105-L105



Bit Holder complete with Bit
Klingenhälter, komplett mit Klinge
Porte embout avec bit



14105(L105) (mm)	L (mm)	(g)	(pcs.)	
4	105	180	10	*1
5	105	180	10	*1
6	105	185	10	*1
7	105	185	10	*1
8	105	185	10	*1
10	105	190	10	*1
11	105	190	10	*1
12	105	200	10	*1
14	105	230	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

14105-L105 (T)



Bit Holder complete with TORX® Bit
Klingenhälter, komplett mit TORX® Klinge
Porte embout avec bit TORX®



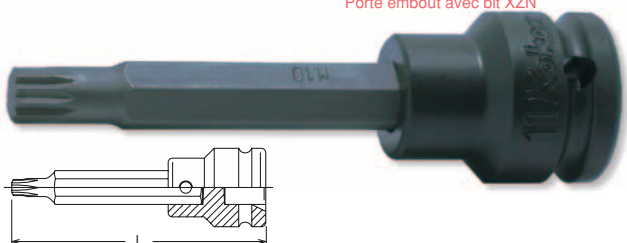
14105(L105) (T)	L (mm)	(g)	(pcs.)	
T30	105	180	10	*1
T40	105	180	10	*1
T45	105	185	10	*1
T50	105	185	10	*1
T55	105	195	10	*1
T60	105	205	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

14105-L105 (XZN)



Bit Holder complete with XZN Bit
Klingenhälter, komplett mit XZN Klinge
Porte embout avec bit XZN



14105(L105) (XZN)	L (mm)	(g)	(pcs.)	
New M 4	105	180	10	*1
New M 5	105	180	10	*1
New M 6	105	185	10	*1
New M 8	105	185	10	*1
New M10	105	195	10	*1
New M12	105	205	10	*1
New M14	105	210	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
14106	28	30	43	160	10	*1

*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

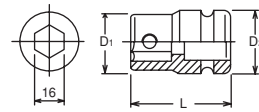


Replacement Screw : M6x8, ● 3mm
Ersatzschraube : M6x8, ● 3mm
Vis de remplacement : M6x8, ● 3mm



14106 Bit Holder

Klingenhalter
Porte-embout

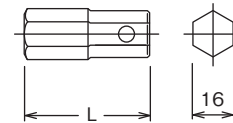


107-16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

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

107-16 Bits for Inhex screws

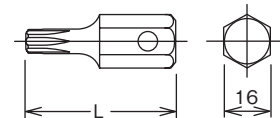
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux



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

107-16 (T) TORX® Bits

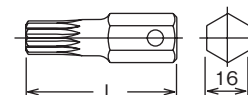
TORX® Klingen
Embouts, TORX®



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

107-16 (XZN) Bits XZN

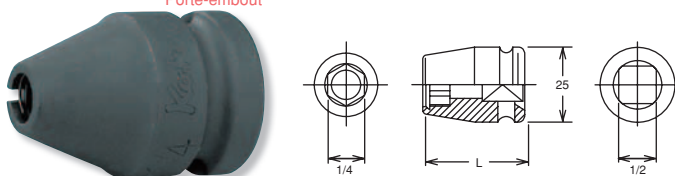
Klingen XZN
Embouts de vissage, XZN



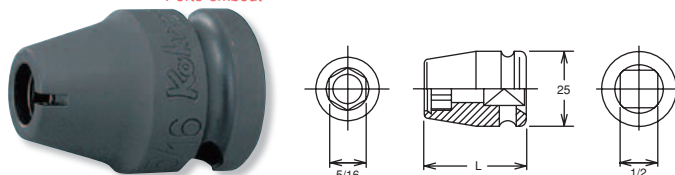
Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

14139 Bit Holder Klingenhalter Porte-embout



14140 Bit Holder Klingenhalter Porte-embout



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



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



14760-50P/-75P/-100P/-125P/-150P/ -175P/-200P/-250P Extension Bars Verlängerungen Rallonges



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



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

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

→ P98-99

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



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

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

→ P98-99

For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour embouts DIN3126 C8



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

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

→ P98-99

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



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

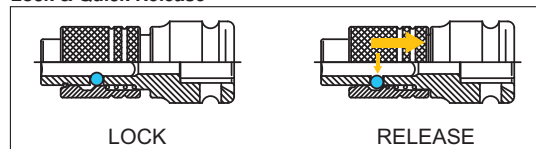
*1 C-Ring=1401C, Pin/O-Ring=1401A/B

→ P98-99

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



Lock & Quick Release



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

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

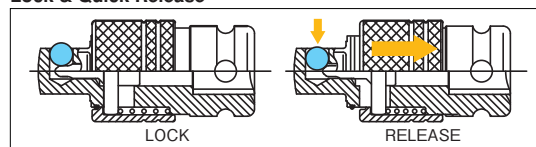
→ P98-99

	L (mm)	(g)	(pcs.)	
14444AL	55	128	10	*1

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

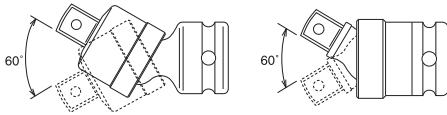
→ P98-99

Lock & Quick Release

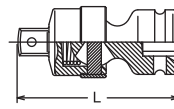


	L (mm)	(g)	(pcs.)	
14770-P	74	210	5	*1
14771-P	65	198	5	*1

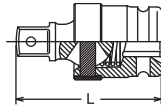
*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99



14770-P Universal Joint Gelenk-Einsatz Cardan universel

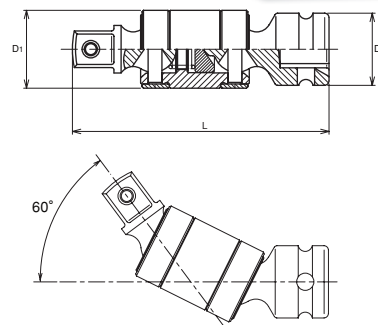


14771-P Universal Joint Gelenk-Einsatz Cardan universel



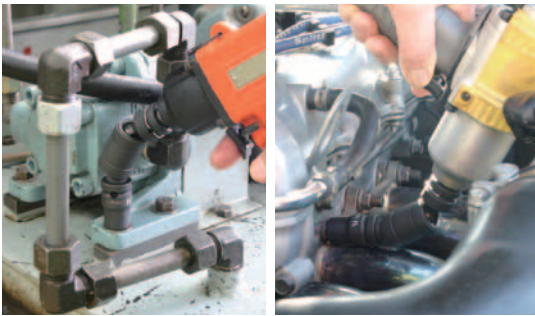
14772-P Universal Double Joint Doppelgelenk-Einsatz Cardan universel double

PATENT P.



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

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14433A-P	1/2"	3/8"	36	68	10	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

⚠ 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.)	
14455A	1/2"	5/8"	42	135	10	*1

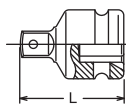
*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

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

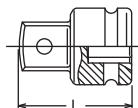
*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

14433A-P Adaptor Verbindungsstück Réducteur

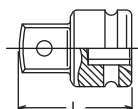
No Warranty
Keine Garantie
Sans Garantie **⚠**



14455A Adaptor Verbindungsstück Augmentateur



14466A Adaptor Verbindungsstück Augmentateur



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

14203M



Socket Sets
Steckschlüssel Sätze
Jeux de clés à douille



14203M 10 Pieces Set/🔧=900g	
METAL CASE:W215xH80xT47mm	
Bits	Bit Holder
107.11 Hex Bits 5, 6, 8, 10	14105 Bit Holder
107.16 Hex Bits 12, 14, 17, 19	14106 Bit Holder

14204M



Socket Sets
Steckschlüssel Sätze
Jeux de clés à douille



14204M 18 Pieces Set/🔧=1,370g	
METAL CASE:W310xH90xT48mm	
Bits	Bit Holder
107.11 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	14105 Bit Holder
107.11 (L80) Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	168H-2.5 (40) Screwdriver

14204T



Socket Sets
Steckschlüssel Sätze
Jeux de clés à douille



14204T 14 Pieces Set/🔧=1,180g	
METAL CASE:W310xH90xT48mm	
Bits	Bit Holder
107.11 (T) TORX® Bits T30, T40, T45, T50, T55, T60	14105 Bit Holder
107.11 (T) (L80) TORX® Bits T30, T40, T45, T50, T55, T60	168H-2.5 (40) Screwdriver

14204X



Socket Sets
Steckschlüssel Sätze
Jeux de clés à douille



14204X 14 Pieces Set/🔧=1,180g	
METAL CASE:W310xH90xT48mm	
Bits	Bit Holder
107.11 (XZN) XZN Bits M4, M5, M6, M8, M10, M12	14105 Bit Holder
107.11 (L80) XZN Bits M4, M5, M6, M8, M10, M12	168H-2.5 (40) Screwdriver

1/2" Impact Sockets Impact Steckschlüssel Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

14207M	10 Pieces Set/△=2,700g
METAL CASE:W310×H90×T48mm	
Sockets	
 14300M 6-pt Deep Sockets	10, 12, 13, 14, 17, 19, 21, 22, 24, 27

14207M  Socket Set
Steckschlüssel Satz
Jeu de clés à douille



14208M	13 Pieces Set/△=3,500g
METAL CASE:W395×H90×T50mm	
Sockets	
 14300M 6-pt Deep Sockets	10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27

14208M  Socket Set
Steckschlüssel Satz
Jeu de clés à douille



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

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



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

14242M	12 Pieces Set/△=1,890g
METAL CASE:W310×H90×T48mm	
Sockets	
 14400M 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27

14242M  Socket Set
Steckschlüssel Satz
Jeu de clés à douille



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

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



14245M-05	18 Pieces Set/△=2,250g
METAL CASE:W310×H90×T48mm	
Sockets	Accessories
 14405M 12-pt. Sockets	 14760-125P
10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	 14770-P
	 1401A, 1402A
	1401B, 1402B

Impact Sockets Impact Steckschlüssel Douilles Impact

5/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

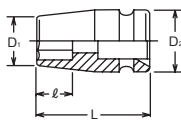
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

15400M



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



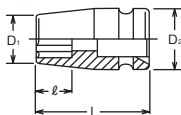
15400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	10	*1
17	27.8	35	12	47.5	225	10	*1
19	30.3	35	13	47.5	225	10	*1
21	32.8	35	15	47.5	225	10	*1
22	34	35	15	47.5	225	10	*1
23	35.4	35	16	47.5	225	10	*1
24	36.5	35	16	50.5	245	10	*1
26	39	35	16	50.5	260	10	*1

*1 Pin/O-Ring=1500A/B → P99

15410M



Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



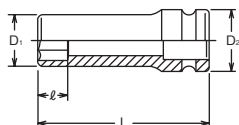
15410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	10	*1
17	27.8	35	12	47.5	225	10	*1
19	30.3	35	13	47.5	225	10	*1
21	32.8	35	15	47.5	225	10	*1
22	34	35	15	47.5	225	10	*1
23	35.4	35	16	47.5	225	10	*1
24	36.5	35	16	50.5	245	10	*1
26	39	35	16	50.5	260	10	*1

*1 Pin/O-Ring=1500A/B → P99

15300M



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



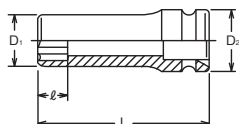
15300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	90	295	10	*1
17	27.8	35	17	90	325	10	*1
19	30.3	35	19	90	350	10	*1
21	32.8	35	21	90	380	10	*1
22	34	35	22	90	390	10	*1

*1 Pin/O-Ring=1500A/B → P99

15310M



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



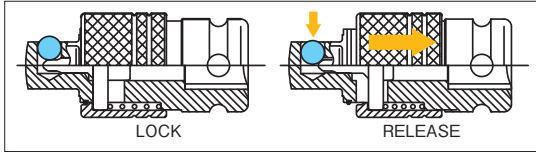
15310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	90	295	10	*1
17	27.8	35	17	90	325	10	*1
19	30.3	35	19	90	350	10	*1
21	32.8	35	21	90	380	10	*1
22	34	35	22	90	390	10	*1

*1 Pin/O-Ring=1500A/B → P99

	L (mm)	(g)	(pcs.)	
15555AL	70	310	10	*1

*1 Pin/O-Ring=1500A/B → P99

Lock & Quick Release

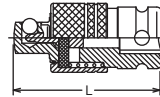


	L (mm)	(g)	(pcs.)	
15770	88	420	10	*1

*1 Pin/O-Ring=1500A/B → P99

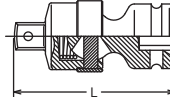
15555AL

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



15770

Universal Joint
Gelenk-Einsatz
Cardan universel



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
15544A-P	5/8"	1/2"	46	165	10	*1

*1 Pin/O-Ring=1500A/B → P99

⚠ 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.

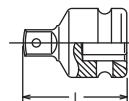
Die mit **⚠** gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

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.

15544A-P

Adaptor
Verbindungsstück
Réducteur

No Warranty
Keine Garantie
Sans Garantie

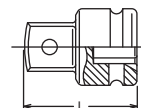


	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
15566A	5/8"	3/4"	48	200	10	*1

*1 Pin/O-Ring=1500A/B → P99

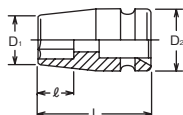
15566A

Adaptor
Verbindungsstück
Augmentateur



16400M / 16400A

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



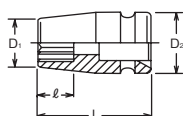
16400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	Ⓢ
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1. 1/16	42.5	44	16	50	375	5	*1
1. 1/8	45	44	18	53	412	5	*1
1. 3/16	46.3	44	18	53	410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

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

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

16405M / 16405A

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



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

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

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

3/4"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

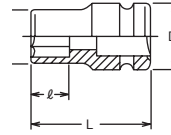
16401M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	28	43	12	50	300	5	*1
18	29.3	43	13	50	300	5	*1
19	30.5	43	13	50	300	5	*1
20	31.8	43	14	50	302	5	*1
21	33	43	15	50	305	5	*1
22	34.3	43	15	50	310	5	*1
23	35.5	43	16	50	315	5	*1
24	36.8	43	16	50	325	5	*1
25	38	43	16	50	326	5	*1
26	39.3	43	16	50	330	5	*1
27	40.5	43	16	50	340	5	*1
28	41.8	43	16	50	345	5	*1
29	43	43	18	53	355	5	*1
30	44.3	43	18	53	365	5	*1
31	45.5	43	18	53	375	5	*1
32	46.8	43	19	53	385	5	*1
33	48	43	20	55	395	5	*1
34	49.3	43	20	55	420	5	*1
35	50.5	43	20	55	430	5	*1
36	51.8	43	20	55	440	5	*1
37	53	43	20	55	460	2	*1
38	54.3	43	20	57	472	2	*1
40	56.8	43	20	57	525	2	*1
41	58	43	22	57	555	2	*1
42	59.3	43	22	57	565	2	*1
44	61.8	43	23	62	670	2	*1
46	64.3	43	23	62	710	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

16401M
16401A



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



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

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

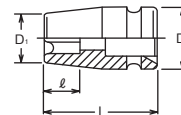
16425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	2	*1
E28	36.3	44	25.2	60	465	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

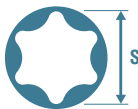
16425



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 (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

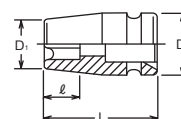
16425 (EPL)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	55	427	5	*1
32EPL	40	44	16.1	62	488	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

16425-EPL
TORX^{plus}



TORX PLUS® Sockets
TORX PLUS® Steckschlüssel
Douilles TORX PLUS®



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TORX ist ein registriertes Markenzeichen der Firma Acument Intellectual Properties, LLC.
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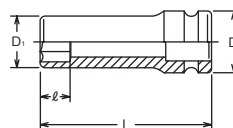
Koken TOOL CO., LTD.

065

16300M / 16300A



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



16300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
3/4	32.5	44	19	100	655	2	*1
13/16	35	44	21	100	700	2	*1
7/8	36.3	44	22	100	700	2	*1
15/16	38.8	44	24	100	705	2	*1
1	40	44	25	100	715	2	*1
1. 1/16	42.5	44	27	100	765	2	*1
1. 1/8	45	44	29	100	835	2	*1
1. 3/16	46.3	44	30	100	840	2	*1
1. 1/4	48.8	44	32	100	875	2	*1
1. 5/16	51.3	44	34	100	950	2	*1
1. 3/8	52.5	44	35	100	980	2	*1
1. 7/16	55	44	37	100	970	2	*1
1. 1/2	56.3	44	38	100	990	2	*1
1. 9/16	58.8	44	38	100	1060	2	*1
1. 5/8	60	44	38	100	1120	2	*1
1.11/16	62.5	44	38	100	1200	2	*1
1. 3/4	65	44	38	100	1284	2	*1
1.13/16	66.3	44	38	100	1305	2	*1
1. 7/8	68.8	54	38	100	1561	2	*2
2	72.5	54	60	100	1516	2	*2

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

*2 C-Ring=1801C, Pin/O-Ring=1602A/B

→ P98-99

16300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
17	30	44	17	100	544	2	*1
18	31.3	44	18	100	642	2	*1
19	32.5	44	19	100	655	2	*1
20	33.8	44	20	100	680	2	*1
21	35	44	21	100	700	2	*1
22	36.3	44	22	100	700	2	*1
23	37.5	44	23	100	720	2	*1
24	38.8	44	24	100	705	2	*1
25	40	44	25	100	715	2	*1
26	41.3	44	26	100	760	2	*1
27	42.5	44	27	100	765	2	*1
28	43.8	44	28	100	800	2	*1
29	45	44	29	100	835	2	*1
30	46.3	44	30	100	840	2	*1
31	47.5	44	31	100	815	2	*1
32	48.8	44	32	100	875	2	*1
33	50	44	33	100	920	2	*1
34	51.3	44	34	100	950	2	*1
35	52.5	44	35	100	980	2	*1
36	53.8	44	36	100	960	2	*1
37	55	44	37	100	970	2	*1
38	56.3	44	38	100	990	2	*1
40	58.8	44	38	100	1060	2	*1
41	60	44	38	100	1120	2	*1
42	61.3	44	38	100	1153	2	*1
43	62.5	44	38	100	1200	2	*1
46	66.3	44	38	100	1305	2	*1
50	71.3	54	61	100	1469	2	*2
55	77.5	54	59	100	1620	2	*2

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

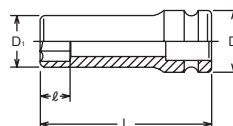
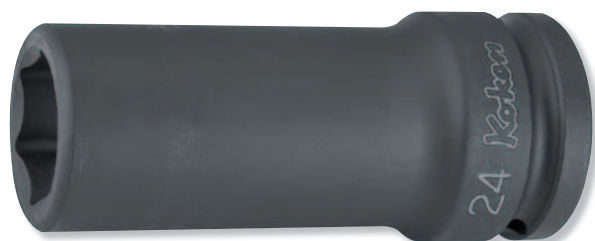
*2 C-Ring=1801C, Pin/O-Ring=1602A/B

→ P98-99

16301M 16301A



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



16301A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
11/16	28	43	17	100	470	2	*1
3/4	30.5	43	19	100	480	2	*1
13/16	33	43	21	100	505	2	*1
7/8	34.3	43	22	100	528	2	*1
15/16	36.8	43	24	100	560	2	*1
1	38	43	25	100	581	2	*1
1. 1/16	40.5	43	27	100	610	2	*1
1. 1/8	43	43	29	100	650	2	*1
1. 3/16	44.3	43	30	100	670	2	*1
1. 1/4	46.8	43	32	100	715	2	*1
1. 3/8	50.5	43	35	100	785	2	*1
1. 7/16	53	43	37	100	850	2	*1
1. 1/2	54.3	43	38	100	885	2	*1
1. 9/16	56.8	43	38	100	925	2	*1
1. 5/8	58	43	38	100	970	2	*1
1.13/16	64.3	43	38	100	1150	2	*1

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

→ P98-99

16301M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⊕
17	28	43	17	100	470	2	*1
18	29.3	43	18	100	475	2	*1
19	30.5	43	19	100	480	2	*1
20	31.8	43	20	100	491	2	*1
21	33	43	21	100	505	2	*1
22	34.3	43	22	100	528	2	*1
23	35.5	43	23	100	542	2	*1
24	36.8	43	24	100	560	2	*1
25	38	43	25	100	581	2	*1
26	39.3	43	26	100	600	2	*1
27	40.5	43	27	100	610	2	*1
28	41.8	43	28	100	639	2	*1
29	43	43	29	100	650	2	*1
30	44.3	43	30	100	670	2	*1
31	45.5	43	31	100	690	2	*1
32	46.8	43	32	100	715	2	*1
33	48	43	33	100	750	2	*1
34	49.3	43	34	100	772	2	*1
35	50.5	43	35	100	785	2	*1
36	51.8	43	36	100	830	2	*1
37	53	43	37	100	850	2	*1
38	54.3	43	38	100	885	2	*1
40	56.8	43	38	100	925	2	*1
41	58	43	38	100	970	2	*1
42	59.3	43	38	100	990	2	*1
46	64.3	43	38	100	1150	2	*1

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

→ P98-99

3/4" Impact Sockets Impact Steckschlüssel Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

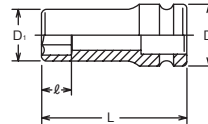
TOOLS FOR CONSTRUCTION SITES



16301X



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



16301X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
17	28	43	17	75	370	2	*1
18	29.3	43	18	75	380	2	*1
19	30.5	43	19	75	393	2	*1
20	31.8	43	20	75	400	2	*1
21	33	43	21	75	408	2	*1
22	34.3	43	22	75	418	2	*1
23	35.5	43	23	75	425	2	*1
24	36.8	43	24	75	435	2	*1
25	38	43	25	75	449	2	*1
26	39.3	43	26	75	455	2	*1
27	40.5	43	27	75	464	2	*1
28	41.8	43	28	75	479	2	*1
29	43	43	29	75	489	2	*1
30	44.3	43	30	75	506	2	*1
31	45.5	43	31	75	518	2	*1
32	46.8	43	32	75	535	2	*1
33	48	43	33	75	550	2	*1
35	50.5	43	35	75	585	2	*1
36	51.8	43	36	75	603	2	*1
37	53	43	37	75	645	2	*1
38	54.3	43	38	80	691	2	*1
40	56.8	43	38	80	725	2	*1
41	58	43	38	80	755	2	*1
46	64.3	43	38	80	808	2	*1

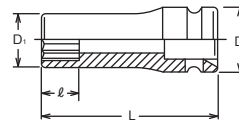
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

New

16305M



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



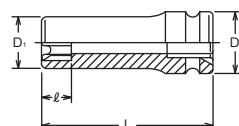
16305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
17	30	44	17	100	544	2	*1
18	31.3	44	18	100	600	2	*1
19	32.5	44	19	100	655	2	*1
21	35	44	21	100	700	2	*1
22	36.3	44	22	100	700	2	*1
23	37.5	44	23	100	720	2	*1
24	38.8	44	24	100	715	2	*1
26	41.3	44	26	100	760	2	*1
27	42.5	44	27	100	765	2	*1
28	43.8	44	28	100	800	2	*1
29	45	44	29	100	835	2	*1
30	46.3	44	30	100	840	2	*1
32	48.8	44	32	100	875	2	*1
35	52.5	44	35	100	980	2	*1
36	53.8	44	36	100	960	2	*1
38	56.3	44	38	100	990	2	*1
41	60	44	38	100	1120	2	*1
46	66.3	44	38	100	1305	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

16325



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



16325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
E18	26.3	44	13	100	520	2	*1
E20	28.8	44	14.4	100	560	2	*1
E22	31.3	44	15.5	100	600	2	*1
E24	32.5	44	17	100	622	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

Impact Sockets Impact Steckschlüssel Douilles Impact

3/4"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

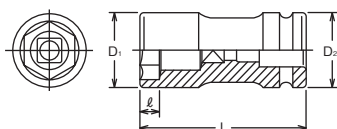
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

16316M / 16316A

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



16316M (mmxmm)	D ₁ (mm)	D ₂ (mm)	ℓ (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

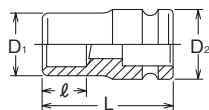
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

16316A (inchxinch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
1.1/2x13/16	56	44	13	100	940	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

16317M / 16317A

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



16317M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
17	40	44	22.5	67	485	1	*1
19	40	44	22.5	67	462	1	*1
20	44	44	22.5	67	517	1	*1
21	44	44	22.5	67	489	1	*1
22	44	44	22.5	67	482	1	*1

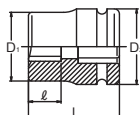
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

16317A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
13/16	44	44	22.5	67	489	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

PW6

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



PW6 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
17	40	44	19	53	433	2	*1
19	40	44	19	53	419	2	*1
20	44	44	21	55	483	2	*1
21	44	44	23	57	491	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

16101M



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



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

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99



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 ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
24	38.8	44	24	270	1034	1	*1
27	42.5	44	27	270	1088	1	*1
30	46.3	44	30	270	1144	1	*1
32	48.8	44	32	270	1157	1	*1
33	50	44	32	270	1200	1	*1
36	53.8	44	32	270	1250	1	*1

16102M-400 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
24	38.8	44	24	400	1430	1	*1
27	42.5	44	27	400	1460	1	*1
30	46.3	44	30	400	1510	1	*1
32	48.8	44	32	400	1530	1	*1
33	50	44	32	400	1530	1	*1
36	53.8	44	32	400	2180	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99



Impact Sockets Impact Steckschlüssel Douilles Impact

3/4"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

16106

Bit Holder
Klingenhalter
Porte-embout



	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
16106	32	44	52	370	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

Replacement Screw : M6x10, ● 3mm
Ersatzschraube : M6x10, ● 3mm
Vis de remplacement : M6x10, ● 3mm

107-16

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

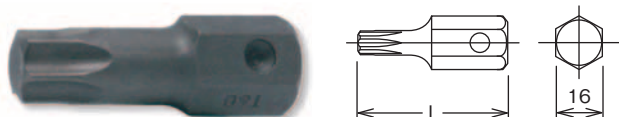


107-16 (mm)	L (mm)	(g)	(pcs.)
10	40	46	10
12	40	52	10
13	40	56	10
14	40	60	10
16	40	69	10
17	40	73	10
18	40	78	10
19	40	80	10
22	40	97	10

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

107-16 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®



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

107-16 (XZN)

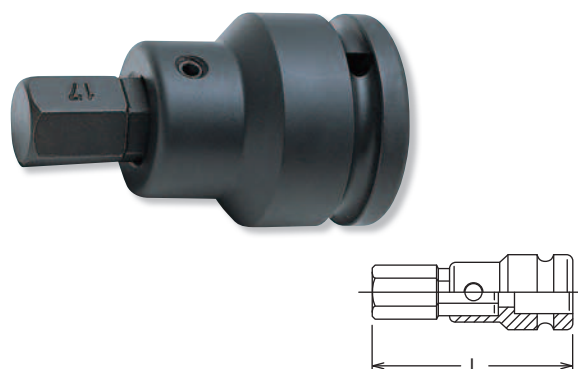
Bits XZN
Klingen XZN
Embouts de vissage, XZN



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

16106-16

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



16106-16 (mm)	L (mm)	(g)	(pce.)	
10	76	416	1	*1
12	76	422	1	*1
13	76	426	1	*1
14	76	430	1	*1
16	76	439	1	*1
17	76	443	1	*1
18	76	448	1	*1
19	76	450	1	*1
22	76	473	1	*1

16106-16 (inch)	L (mm)	(g)	(pce.)	
1/2	76	426	1	*1
9/16	76	430	1	*1
5/8	76	439	1	*1
3/4	76	450	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	
16107	44	44	60	530	2	*1

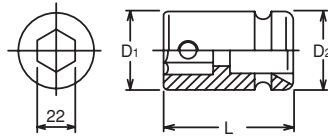
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99



Replacement Screw : M8x14, ● 4mm
Ersatzschraube : M8x14, ● 4mm
Vis de remplacement : M8x14, ● 4mm

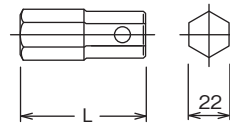
16107

Bit Holder
Klingenhälter
Porte embout



107-22

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

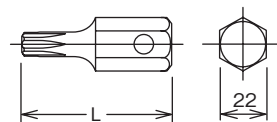


107-22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

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

107-22 (T)

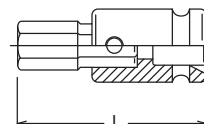
TORX® Bits
TORX® Klingen
Embouts, TORX®



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

16107-22

Bit Holder complete with Bit
Klingenhälter, komplett mit Klinge
Porte embout avec bit



16107-22 (mm)	L (mm)	(g)	(pce.)	
19	88	670	1	*1
22	88	692	1	*1
24	88	706	1	*1
27	88	730	1	*1
30	88	757	1	*1
32	93	783	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99



Impact Sockets Impact Steckschlüssel Douilles Impact

3/4"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

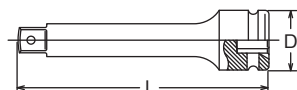
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

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

Extension Bars
Verlängerungen
Rallonges

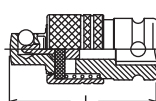


16760	D (mm)	L (mm)	(g)	(pce.)	
150	44	150	775	1	*1
175	44	175	870	1	*1
200	44	200	955	1	*1
250	44	250	1150	1	*1
330	44	330	1460	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

16666AL

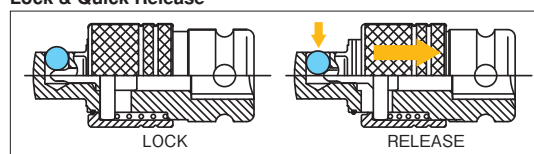
Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



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

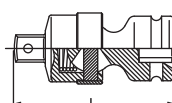
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

Lock & Quick Release



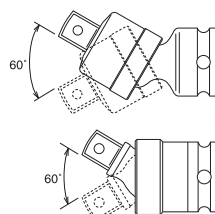
16770

Universal Joint
Gelenk-Einsatz
Cardan universel



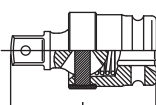
	L (mm)	(g)	(pce.)	
16770	106	790	1	*1
16771	95	720	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99



16771

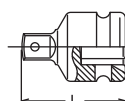
Universal Joint
Gelenk-Einsatz
Cardan universel



16644A-P 16655A

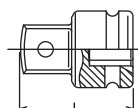
Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie



16688A

Adaptor
Verbindungsstück
Augmentateur



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
16644A-P	3/4"	1/2"	52	310	1	*1

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

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

⚠ 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)	(pce.)	
16688A	3/4"	1"	62	435	1	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

16201M-00 / 16201A-00

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douille



16201M-00	13 Pieces Set/△=6,800g
METAL CASE:W320×H110×T70mm	
Sockets	
 16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-00	11 Pieces Set/△=6,000g
METAL CASE:W290×H124×T69mm	
Sockets	
 16400A 6-pt. Sockets 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16201M-01 / 16201A-01

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douille



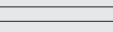
16201M-01	13 Pieces Set/△=6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
 16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-01	11 Pieces Set/△=5,400g
METAL CASE:W320×H110×T70mm	
Sockets	
 16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16245M

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douille

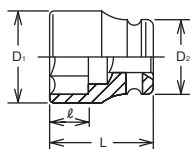


16245M	17 Pieces Set/△=12,000g
METAL CASE:W580×H200×T85mm	
Sockets	Accessories
 16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50	 16760-175
	 16760-330

18400M / 18400A



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



18400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	🔄
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	580	2	*1
19	35.3	54	13	57	590	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	54	36	70	997	2	*1
48	71.5	54	35	70	990	2	*1
50	74	54	35	70	1065	2	*1
52	76.5	54	40	75	1185	2	*1
54	79	54	40	75	1252	2	*1
55	80.3	54	39	75	1260	2	*1
56	81.5	54	39	75	1277	2	*1
58	84	54	39	75	1340	2	*1
60	86.5	54	39	75	1400	2	*1
62	89	54	38	75	1410	2	*1
63	90.3	54	38	75	1383	2	*1
65	92.8	54	38	75	1630	2	*1
67	95.3	54	38	75	1580	2	*1
68	96.5	54	37	75	1583	1	*1
70	99	54	37	75	1625	1	*1
75	105.3	86	37	80	2675	1	*2
80	111.5	86	41	85	2996	1	*2
85	117.8	86	37	90	3378	1	*2
90	124	86	40	95	3871	1	*2
95	130.3	86	43	100	4500	1	*2
New 100	136.5	86	47	105	5000	1	*2

18400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pcs.)	🔄
11/16	32.8	54	12	57	579	2	*1
3/4	35.3	54	13	57	590	2	*1
13/16	37.8	54	15	57	605	2	*1
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/16	45.3	54	16	57	627	2	*1
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. 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. 1/2	59	54	25	66	720	2	*1
1. 9/16	61.5	54	25	66	850	2	*1
1. 5/8	62.8	54	25	66	850	2	*1
1.11/16	65.3	54	27	68	977	2	*1
1. 3/4	67.8	54	27	68	963	2	*1
1.13/16	69	54	29	70	1010	2	*1
1. 7/8	71.5	54	35	70	990	2	*1
1.15/16	72.8	54	35	70	1000	2	*1
2	75.3	54	35	70	1060	2	*1
2. 1/16	76.5	54	40	75	1185	2	*1
2. 1/8	79	54	40	75	1252	2	*1
2. 3/16	80.3	54	39	75	1260	2	*1
2. 1/4	82.8	54	39	75	1337	2	*1
2. 5/16	84	54	39	75	1340	2	*1
2. 3/8	86.5	54	39	75	1400	2	*1
2. 7/16	89	54	38	75	1410	2	*1
2. 1/2	91.5	54	38	75	1498	2	*1
2. 9/16	92.8	54	38	75	1630	2	*1
2. 5/8	95.3	54	38	75	1580	2	*1
2.11/16	96.5	54	37	75	1583	1	*1
2. 3/4	99	54	37	75	1625	1	*1
2.13/16	101.5	86	37	80	2705	1	*2
2. 7/8	102.8	86	38	80	2629	1	*2
2.15/16	105.3	86	37	80	2675	1	*2
3	106.5	86	37	80	2705	1	*2
3. 1/16	109	86	42	85	2967	1	*2
3. 1/8	111.5	86	41	85	2996	1	*2
3. 1/4	115.3	86	44	90	3328	1	*2
3. 3/8	119	86	36	90	3389	1	*2
3. 1/2	124	86	40	95	3871	1	*2

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

*2 C-Ring=1802C, Pin/O-Ring=1802A/B

➔ P98-99

*1 C-Ring=1801C, Pin/O-Ring=1801A/B
*2 C-Ring=1802C, Pin/O-Ring=1802A/B

➔ P98-99

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

18401A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

18405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
27	45.3	54	16	57	607	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	690	2	*1
35	55.3	54	21	62	690	2	*1
36	56.5	54	21	62	692	2	*1
38	59	54	25	66	700	2	*1
40	61.5	54	25	66	830	2	*1
46	69	54	29	70	990	2	*1
50	74	54	35	70	1021	2	*1
55	80.3	54	39	75	1234	2	*1
56	81.5	54	39	75	1250	2	*1
60	86.5	54	39	75	1400	2	*1
65	92.8	54	38	75	1600	2	*1

18405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 3/4	67.8	54	27	68	970	2	*1
1.15/16	72.8	54	35	70	1000	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

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

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

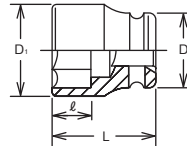
Items in this catalogue marked  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

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.

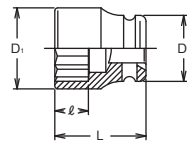
18401M 18401A

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



18405M / 18405A

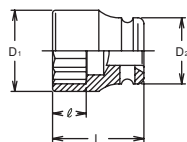
 12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



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

1"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

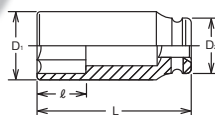
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

18301X



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



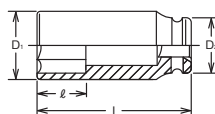
18301X (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	80	635	2	*1
19	32.3	53	19	80	655	2	*1
21	34.8	53	21	80	680	2	*1
22	36	53	22	80	686	2	*1
24	38.5	53	24	80	693	2	*1
27	42.3	53	27	80	745	2	*1
30	46	53	30	80	761	2	*1
32	48.5	53	32	85	770	2	*1
33	49.8	53	33	85	781	2	*1
35	52.3	53	35	85	800	2	*1
36	53.5	53	36	85	808	2	*1
38	56	53	38	85	865	2	*1
41	59.8	53	38	85	937	2	*1
46	66	53	38	85	1032	2	*1
50	71	53	55	85	1220	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

18300M / 18300A



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



18300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
19	35.3	54	19	108	1010	2	*1
21	37.8	54	21	108	1010	2	*1
22	39	54	22	108	1010	2	*1
23	40.3	54	23	108	1063	2	*1
24	41.5	54	24	108	1060	2	*1
25	42.8	54	25	108	1085	2	*1
26	44	54	26	108	1133	2	*1
27	45.3	54	27	108	1125	2	*1
28	46.5	54	28	108	1140	2	*1
29	47.8	54	29	108	1120	2	*1
30	49	54	30	108	1179	2	*1
31	50.3	54	31	108	1125	2	*1
32	51.5	54	32	108	1200	2	*1
33	52.8	54	33	108	1200	2	*1
34	54	54	34	108	1280	2	*1
35	55.3	54	35	108	1300	2	*1
36	56.5	54	36	108	1280	2	*1
37	57.8	54	37	108	1320	2	*1
38	59	54	38	108	1423	2	*1
40	61.5	54	38	108	1415	2	*1
41	62.8	54	38	108	1450	2	*1
42	64	54	38	108	1550	2	*1
44	66.5	54	38	108	1636	2	*1
45	67.8	54	38	108	1660	2	*1
46	69	54	38	108	1680	2	*1
48	71.5	54	67	108	1500	2	*1
50	74	54	66	108	1650	2	*1
52	76.5	54	65	108	1770	2	*1
55	80.3	54	63	108	1855	2	*1
60	86.5	54	60	108	2047	2	*1
65	92.8	54	58	108	2310	2	*1
70	99	54	55	108	2440	1	*1
75	105.3	86	52	108	3646	1	*2
80	111.5	86	49	108	4039	1	*2
85	117.8	86	59	108	4000	1	*2
90	124	86	57	108	4200	1	*2
95	130.3	86	55	108	4400	1	*2

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99
*2 C-Ring=1802C, Pin/O-Ring=1802A/B

18300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	17	108	978	2	*1
3/4	35.3	54	19	108	1010	2	*1
7/8	39	54	22	108	1010	2	*1
15/16	41.5	54	24	108	1060	2	*1
1	42.8	54	25	108	1085	2	*1
1. 1/16	45.3	54	27	108	1125	2	*1
1. 1/8	47.8	54	29	108	1120	2	*1
1. 3/16	49	54	30	108	1179	2	*1
1. 1/4	51.5	54	32	108	1200	2	*1
1. 5/16	54	54	34	108	1280	2	*1
1. 3/8	55.3	54	35	108	1300	2	*1
1. 7/16	57.8	54	37	108	1320	2	*1
1. 1/2	59	54	38	108	1423	2	*1
1. 9/16	61.5	54	38	108	1415	2	*1
1. 5/8	62.8	54	38	108	1450	2	*1
1.11/16	65.3	54	38	108	1577	2	*1
1. 3/4	67.8	54	38	108	1660	2	*1
1.13/16	69	54	38	108	1680	2	*1
1. 7/8	71.5	54	67	108	1500	2	*1
1.15/16	72.8	54	67	108	1570	2	*1
2	75.3	54	66	108	1605	2	*1
2. 1/16	76.5	54	65	108	1770	2	*1
2. 1/8	79	54	64	108	1812	2	*1
2. 3/16	80.3	54	63	108	1855	2	*1
2. 1/4	82.8	54	62	108	1916	2	*1
2. 5/16	84	54	61	108	1987	2	*1
2. 3/8	86.5	54	60	108	2047	2	*1
2. 7/16	89	54	59	108	2041	2	*1
2. 1/2	91.5	54	58	108	2250	2	*1
2. 9/16	92.8	54	58	108	2310	2	*1
2. 5/8	95.3	54	56	108	2370	1	*1
2. 3/4	99	54	55	108	2440	1	*1
2. 7/8	102.8	86	53	108	3600	1	*2
2.15/16	105.3	86	52	108	3646	1	*2
3	106.5	86	51	108	3677	1	*2
3. 1/16	109	86	50	108	3939	1	*2
3. 1/8	111.5	86	49	108	4039	1	*2
3. 3/16	112.8	86	48	108	4170	1	*2

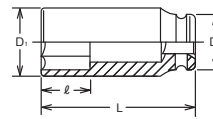
*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99
*2 C-Ring=1802C, Pin/O-Ring=1802A/B



18301M 18301A



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



18301M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	108	692	2	*1
New 18	31	53	18	108	710	2	*1
19	32.3	53	19	108	725	2	*1
New 20	33.5	53	20	108	740	2	*1
21	34.8	53	21	108	750	2	*1
22	36	53	22	108	770	2	*1
23	37.3	53	23	108	780	2	*1
24	38.5	53	24	108	800	2	*1
26	41	53	26	108	830	2	*1
27	42.3	53	27	108	860	2	*1
29	44.8	53	29	108	880	2	*1
30	46	53	30	108	910	2	*1
32	48.5	53	32	108	970	2	*1
33	49.8	53	33	108	980	2	*1
New 34	51	53	34	108	980	2	*1
35	52.3	53	35	108	986	2	*1
36	53.5	53	36	108	992	2	*1
38	56	53	38	108	1025	2	*1
39	57.3	53	38	108	1130	2	*1
41	59.8	53	38	108	1213	2	*1
43	62.3	53	38	108	1400	2	*1
46	66	53	38	108	1400	2	*1
50	71	53	38	108	1435	2	*1

18301A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	17	108	692	2	*1
3/4	32.3	53	19	108	725	2	*1
13/16	34.8	53	21	108	750	2	*1
7/8	36	53	22	108	770	2	*1
15/16	38.5	53	24	108	800	2	*1
1. 1/16	42.3	53	27	108	860	2	*1
1. 3/16	46	53	30	108	910	2	*1
1. 1/4	48.5	53	32	108	970	2	*1
1. 3/8	52.3	53	35	108	986	2	*1
1. 1/2	56	53	38	108	1025	2	*1
1. 5/8	59.8	53	38	108	1213	2	*1
1.13/16	66	53	38	108	1400	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

18316M (mmxmm)	D ₁ (mm)	D ₂ (mm)	ℓ (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=1801C, Pin/O-Ring=1801A/B → P98-99

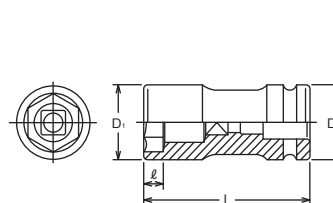
18316A (inchxinch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
1.1/2x13/16	59	54	13	108	1120	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

18316M 18316A



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



PW8P/4 PW8P



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



PW8P/4 4 Pieces Set/⚖️=4,250g							
CARDBOARD BOX:W240xH95xT70mm							
Sockets							
PW8P Impact Rear Wheel Nut Sockets							
35x17, 38x20, 41x19, 41x21							
PW8P (mmxmm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	Shaft Color	(pcs.)
35x17	50	54	13	83	935		5
38x20	55	54	14	83	1038		5
41x19	58	54	14	87	1100		5
41x21	58	54	14	87	1089		5

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

Impact Sockets Impact Steckschlüssel Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

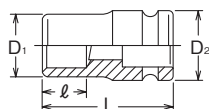
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

18317M 18317A

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



18317M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
17	40	54	22.5	72	682	1	*1
17.5	40	54	22.5	72	677	1	*1
19	43	54	22.5	72	705	1	*1
20	45	54	22.5	72	723	1	*1
20.5	45	54	22.5	72	723	1	*1
21	45	54	22.5	72	703	1	*1
22	45	54	22.5	72	696	1	*1

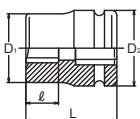
*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

18317A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
13/16	45	54	22.5	72	703	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

PW8

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

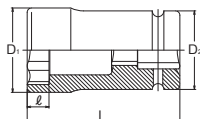


PW8 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
17	40	54	19	60	621	2	*1
19	43	54	19	60	648	2	*1
20	45	54	21	62	687	2	*1
21	45	54	23	64	696	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

PW8L

 Rear Wheel Nut Socket (long)
Steckschlüssel für Hinterradmuttern, lang
Douille spéciale pour écrous de roué arrière longue

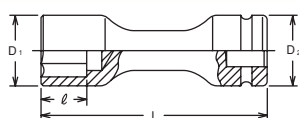


PW8L (mmxmm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
41x21	58	54	15	105	1263	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

18104M

 Special Sockets for Spring Clamps
Steckschlüssel für Federbrieten
Douilles pour brides de ressorts



18104M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
28	46.5	54	28	170	1390	1	*1
30	49	54	30	170	1407	1	*1
32	51.5	54	32	170	1537	1	*1
33	52.8	54	33	170	1590	1	*1
34	54	54	34	170	1670	1	*1
36	56.5	54	36	170	1800	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

18101M



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



18101M (mm×Nm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
24×350Nm	43.5	24	300	1380	1	*1
27×350Nm	47	27	300	1401	1	*1
27×450Nm	47	27	300	1579	1	*1
29×400Nm	47.8	29	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	53.5	32	300	1630	1	*1
33×550Nm	55	33	300	1638	1	*1
33×600Nm	55	33	300	1638	1	*1
36×600Nm	58.5	36	300	1718	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99



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



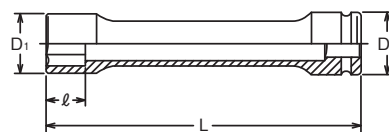
Extra long Sockets for wheel Nuts
Extra lange Steckschlüssel für Radmuttern
Douilles extra-longues pour écrous de roue



18102M-270 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
23	37.3	54	23	270	1627	1	*1
24	38.5	54	24	270	1628	1	*1
26	41	54	26	270	1667	1	*1
27	42.3	54	27	270	1680	1	*1
29	44.8	54	29	270	1680	1	*1
30	46	54	30	270	1680	1	*1
32	48.5	54	32	270	1680	1	*1
33	49.8	54	32	270	1700	1	*1
34	51	54	32	270	1750	1	*1
36	53.5	54	32	270	1750	1	*1
38	56	54	32	270	1822	1	*1

18102M-400 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
23	37.3	54	23	400	1865	1	*1
24	38.5	54	24	400	1869	1	*1
26	41	54	26	400	1925	1	*1
27	42.3	54	27	400	2272	1	*1
29	44.8	54	29	400	2278	1	*1
30	46	54	30	400	2266	1	*1
32	48.5	54	32	400	2322	1	*1
33	49.8	54	32	400	2320	1	*1
34	51	54	32	400	2341	1	*1
36	53.5	54	32	400	2442	1	*1
38	56	54	32	400	2550	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99



Impact Sockets Impact Steckschlüssel Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

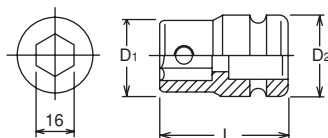
IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

18106 Bit Holder Klingenhälter Porte embout



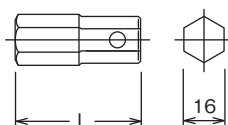
	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
18106	32	54	68	640	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99



Replacement Screw : M6x10, ● 3mm
Ersatzschraube : M6x10, ● 3mm
Vis de remplacement : M6x10, ● 3mm

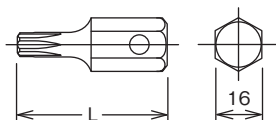
107-16 Bits for Inhex Screws Klingen für Innsechskant-Schrauben Embouts pour vis 6-pans males creux



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

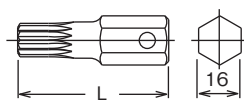
107-16 (inch)	L (mm)	(g)	(pcs.)
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

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



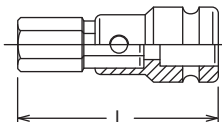
107-16 (T)	L (mm)	(g)	(pcs.)
T55	50	57	10
T60	50	64	10
T70	50	73	10

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



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

18106-16 Bit Holder complete with Bit Klingenhälter, komplett mit Klinge Porte embout avec bit



18106-16 (mm)	L (mm)	(g)	(pce.)	
10	92	686	1	*1
12	92	692	1	*1
13	92	696	1	*1
14	92	700	1	*1
16	92	709	1	*1
17	92	713	1	*1
18	92	718	1	*1
19	92	764	1	*1
22	92	781	1	*1

18106-16 (inch)	L (mm)	(g)	(pce.)	
1/2	92	696	1	*1
9/16	92	700	1	*1
5/8	92	709	1	*1
3/4	92	764	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

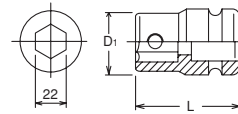
	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)	⚡
18107	44	54	70	770	2	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

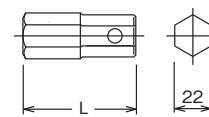


Replacement Screw : M8x14, ● 4mm
Ersatzschraube : M8x14, ● 4mm
Vis de remplacement : M8x14, ● 4mm

18107 Bit Holder Klingenhalter Porte embout



107-22 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embout pour vis 6-pans males creux

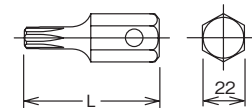


107-22 (mm)	L (mm)	(g)	(pcs.)
17	50	120	10
19	50	140	10
22	50	162	10
24	50	176	10
27	50	200	10
30	50	227	10
32	55	243	10

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

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

107-22 (T) TORX® Bits TORX® Klingen Embout, TORX®

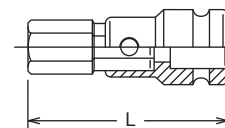


18107-22 (mm)	L (mm)	(g)	(pcs.)	⚡
19	98	910	1	*1
22	98	932	1	*1
24	98	946	1	*1
27	98	986	1	*1
30	98	1008	1	*1
32	103	1029	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

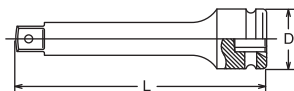


18107-22 Bit Holder complete with Bit Klingenhalter, komplett mit Klinge Porte embout avec bit



18760-175/-200/-250/-330

Extension Bars
Verlängerungen
Rallonges

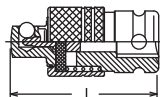


18760	D (mm)	L (mm)	(g)	(pce.)	
175	54	175	1400	1	*1
200	54	200	1580	1	*1
250	54	250	1885	1	*1
330	54	330	2380	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

18888AL

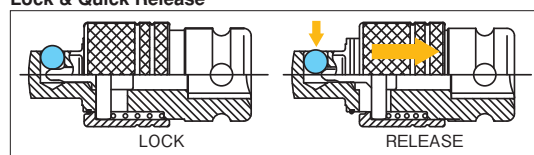
Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



	L (mm)	(g)	(pcs.)	
18888AL	95	980	2	*1

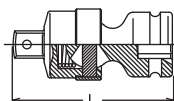
*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

Lock & Quick Release



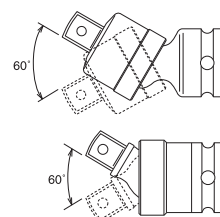
18770

Universal Joint
Gelenk-Einsatz
Cardan universel



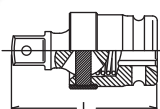
	L (mm)	(g)	(pce.)	
18770	127	1210	1	*1
18771	115	1210	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99



18771

Universal Joint
Gelenk-Einsatz
Cardan universel



	 (sq.)	 (sq.)	 L (mm)	 (g)	 (pce.)	
18866A	1"	3/4"	66.5	580	1	*1
18866A-200	1"	3/4"	200	1100	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

 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.

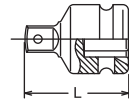
	 (sq.)	 (sq.)	 L (mm)	 (g)	 (pce.)	
18877A	1"	1.1/2"	80	935	1	*1

*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

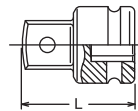
18866A

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie

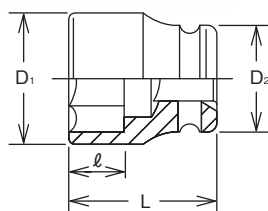
**18866A-200****18877A**

Adaptor
Verbindungsstück
Augmentateur



17400M / 17400A

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



17400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
41	68	86	22	80	2346	1	*1
42	70	86	22	80	2330	1	*1
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
52	82	86	38	84	2340	1	*1
54	84	86	38	84	2340	1	*1
55	85	86	44	90	2450	1	*1
58	88	86	44	90	2510	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2
105	146	127	57	120	8000	1	*2
110	153	127	60	124	9200	1	*2
115	160	127	62	128	10700	1	*2
120	166	127	64	132	11200	1	*2
125	173	127	67	136	13000	1	*2
130	180	127	69	140	14200	1	*2
135	186	127	73	145	14940	1	*2
140	190	127	76	150	15600	1	*2
150	200	127	83	160	16500	1	*2

17400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5230	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2
4. 7/8	173	127	67	136	13000	1	*2
5	180	127	69	140	14200	1	*2
5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
6. 1/2	205	127	94	175	17500	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B

*2 Pin/O-Ring=1702A/B

➔ Pgg-99

1-1/2"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

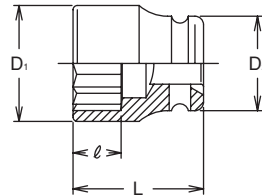
17405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
55	85	86	44	90	2450	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1

17405A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	⚡
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=1700C, Pin/O-Ring=1701A/B → P98-99

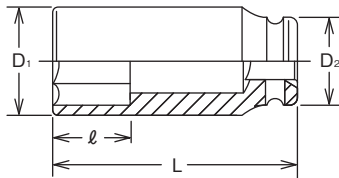
17405M / 17405A

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 ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⚡
41	68	86	27	115	3080	1	*1
42	70	86	27	115	3140	1	*1
46	74	86	28	125	3440	1	*1
50	79	86	30	135	3840	1	*1
54	84	86	30	135	4160	1	*1
55	85	86	33	135	4130	1	*1
60	91	86	35	135	4370	1	*1
65	97	86	38	145	5260	1	*1
70	103	86	40	145	5780	1	*1
75	108	86	42	155	6580	1	*1
80	115	86	46	165	7740	1	*1
85	122	86	49	165	7420	1	*1
90	128	86	52	175	9630	1	*1
95	135	127	55	175	10450	1	*2
100	140	127	58	185	9741	1	*2
105	146	127	62	195	10850	1	*2
110	153	127	65	195	11500	1	*2
115	160	127	68	195	12160	1	*2
120	166	127	72	205	13680	1	*2
125	173	127	74	205	14450	1	*2
130	180	127	76	205	15190	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B

*2 Pin/O-Ring=1702A/B → P98-99

17300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	⚡
1. 5/8	68	86	27	115	3080	1	*1
1.11/16	71	86	27	115	3180	1	*1
1. 3/4	73	86	27	115	3210	1	*1
1.13/16	74	86	28	125	3440	1	*1
1. 7/8	77	86	28	125	3550	1	*1
1.15/16	79	86	28	125	3590	1	*1
2	80	86	30	135	3916	1	*1
2. 1/16	82	86	30	135	4030	1	*1
2. 1/8	84	86	30	135	4160	1	*1
2. 3/16	85	86	33	135	4200	1	*1
2. 1/4	87	86	33	135	4160	1	*1
2. 3/8	91	86	35	135	4370	1	*1
2. 7/16	93	86	35	135	4490	1	*1
2. 1/2	96	86	35	135	4630	1	*1
2. 9/16	97	86	38	145	5260	1	*1
2. 5/8	100	86	38	145	5320	1	*1
2.11/16	101	86	38	145	5670	1	*1
2. 3/4	103	86	40	145	5780	1	*1
2.13/16	105	86	40	145	6000	1	*1
2. 7/8	106	86	40	145	6080	1	*1
2.15/16	108	86	42	155	6580	1	*1
3	108	86	42	155	6850	1	*1
3. 1/8	115	86	46	165	7740	1	*1
3. 3/4	135	127	55	175	12200	1	*2
3. 7/8	140	127	56	175	11080	1	*2

*1 C-Ring=1700C, Pin/O-Ring=1701A/B

*2 Pin/O-Ring=1702A/B → P98-99

Impact Sockets Impact Steckschlüssel Douilles Impact

1-1/2"

BITS, NUT SETTERS AND ADAPTORS

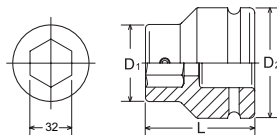
IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

17108 Bit Holder Klingenhalter Porte-embout



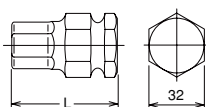
	D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pce.)	
17108	60	86	85	2200	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P98-99



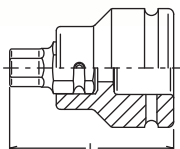
Replacement Screw : M8x14, ● 4mm
Ersatzschraube : M8x14, ● 4mm
Vis de remplacement : M8x14, ● 4mm

107-32 Bit for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans mâle creux



107-32 (mm)	L (mm)	(g)	(pce.)
19	60	300	10
22	60	320	10
24	60	330	10
27	60	360	10
30	60	390	10
32	60	410	10
36	60	460	10

17108-32 Bit Holder complete with Bit Klingenhalter, komplett mit Klinge Porte embout avec bit



17108-32 (mm)	L (mm)	(g)	(pce.)	
19	115	2500	1	*1
22	115	2520	1	*1
24	115	2530	1	*1
27	115	2560	1	*1
30	115	2590	1	*1
32	115	2610	1	*1
36	115	2660	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P98-99



1-1/2"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

17760	D (mm)	L (mm)	(g)	(pce.)	
175	86	175	3300	1	*1
250	86	250	4500	1	*1
330	86	330	5200	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P98-99

	L (mm)	(g)	(pce.)	
17770	200	4700	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P98-99

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17788A	1.1/2"	1"	98	2600	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P98-99

⚠ 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.

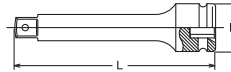
Il est possible d'appliquer aux articles marqués **⚠** des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17799A	1.1/2"	2.1/2"	115	3790	1	*1

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P98-99

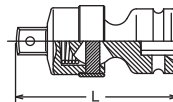
17760-175/-250/-330

Extension Bars
Verlängerungen
Rallonges



17770

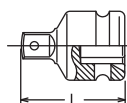
Universal Joint
Gelenk-Einsatz
Cardan universel



17788A ⚠

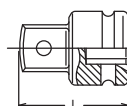
Adaptor
Verbindungsstück
Réducteur

No Warranty
Keine Garantie
Sans Garantie



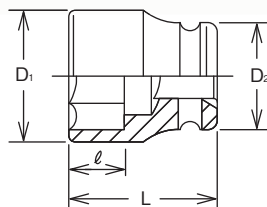
17799A

Adaptor
Verbindungsstück
Augmenteur



19400M / 19400A

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



19400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
50	88	127	39	115	7270	1	*1
55	94	127	42	115	7350	1	*1
60	100	127	45	125	7870	1	*1
65	105	127	48	125	7790	1	*1
70	110	127	51	125	7640	1	*1
75	118	127	54	125	7740	1	*1
80	124	127	57	125	7640	1	*1
85	127	127	61	132	7840	1	*1
90	135	127	64	132	8500	1	*1
95	140	127	71	140	10160	1	*1
100	146	127	71	142	11500	1	*1
105	155	127	74	146	11350	1	*1
110	160	127	76	155	12710	1	*1
115	167	127	78	158	13980	1	*1
120	175	175	79	160	15430	1	*2
125	180	175	82	165	16590	1	*2
130	185	175	85	169	17590	1	*2
135	190	175	89	175	19030	1	*2
140	200	175	93	180	21810	1	*2
145	205	175	95	183	24440	1	*2
150	210	175	97	192	25720	1	*2
160	225	175	102	200	30920	1	*2
165	230	175	105	204	32610	1	*2
170	235	175	106	207	34390	1	*2
175	240	175	109	211	36210	1	*2
180	250	175	110	214	40630	1	*2
185	255	175	113	218	42690	1	*2
190	265	175	113	220	47440	1	*2
200	275	175	116	225	51550	1	*2
210	285	175	123	235	57170	1	*2
215	290	175	126	240	60260	1	*2
225	305	175	133	250	70180	1	*2
235	315	175	140	260	77060	1	*2

19400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	⚖️ (g)	📦 (pce.)	⚡
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. 1/2	167	127	78	158	13980	1	*1
4. 5/8	175	175	79	160	15430	1	*2
4. 7/8	180	175	82	165	16590	1	*2
5	183	175	81	165	17090	1	*2
5. 1/4	190	175	89	175	19030	1	*2
5. 3/8	198	175	94	180	20880	1	*2
5. 1/2	200	175	93	180	21810	1	*2
5. 5/8	203	175	94	182	22480	1	*2
5. 3/4	207	175	103	192	24440	1	*2
6	217	175	100	196	28510	1	*2
6. 1/8	218	175	99	196	29720	1	*2
6. 5/8	233	175	105	205	33500	1	*2
7	248	175	110	213	39160	1	*2

*1 Pin/O-Ring=1901A/B

*2 Pin/O-Ring=1902A/B

→ Pgg

2-1/2"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

19300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pce.)	
75	118	127	42	190	11930	1	*1
80	124	127	46	190	12280	1	*1
85	127	127	49	195	12480	1	*1
90	135	127	52	205	14000	1	*1
95	140	127	55	210	14630	1	*1
100	146	127	58	215	15520	1	*1
105	155	127	62	220	18250	1	*1
110	160	127	65	225	18740	1	*1
115	167	127	68	230	20940	1	*1
120	175	175	72	235	23530	1	*2
125	180	175	74	238	26110	1	*2
130	185	175	76	243	25320	1	*2
135	190	175	80	248	26290	1	*2
140	200	175	82	248	28940	1	*2
145	205	175	84	248	29520	1	*2
150	210	175	88	255	30600	1	*2
155	215	175	92	255	31680	1	*2
160	225	175	95	260	35560	1	*2
165	230	175	98	260	36040	1	*2
170	235	175	100	265	37230	1	*2
175	240	175	102	270	39420	1	*2

*1 Pin/O-Ring=1901A/B

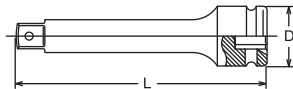
*2 Pin/O-Ring=1902A/B

→ P99

19760	D (mm)	L (mm)	(g)	(pce.)	
250	127	250	17800	1	*1
500	127	500	27800	1	*1

*1 Pin/O-Ring=1901A/B

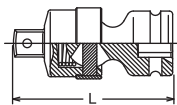
→ P99



	L (mm)	(g)	(pce.)	
19770	303	21360	1	*1

*1 Pin/O-Ring=1901A/B

→ P99



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
19977A	2.1/2"	1.1/2"	145	7210	1	*1

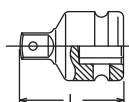
*1 Pin/O-Ring=1901A/B

→ P99

⚠ 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.

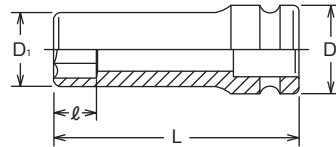
Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.



19300M



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



19760-250/-500

Extension Bars
Verlängerungen
Rallonges



19770

Universal Joint
Gelenk-Einsatz
Cardan universel



19977A

Adaptor
Verbindungsstück
Réducteur

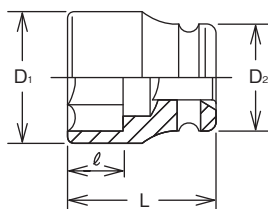
No Warranty
Keine Garantie
Sans Garantie



10400M / 10400A



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



10400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	200	106	207	29600	1	*2
150	215	200	109	212	31240	1	*2
160	228	200	114	220	35500	1	*2
165	235	200	117	224	37940	1	*2
170	240	200	118	227	39660	1	*2
175	245	200	121	231	41400	1	*2
180	255	200	122	234	45740	1	*2
185	265	200	125	238	50350	1	*2
190	275	200	125	239	54650	1	*2
200	285	200	128	245	59190	1	*2
210	295	200	135	255	64970	1	*2
215	300	200	138	260	68150	1	*2

10400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	 (g)	 (pce.)	
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123	236	48400	1	*2
7.3/8	269	200	124	238	52500	1	*2
7.1/2	275	200	125	240	55350	1	*2
7.5/8	278	200	127	242	56050	1	*2
7.3/4	282	200	129	245	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

*1 Pin/O-Ring=2001A/B

*2 Pin/O-Ring=2002A/B

→ P99

	 (sq.)	 (sq.)	L (mm)	 (g)	 (pce.)	
10099A	3.1/2"	2.1/2"	182	16870	1	*1

*1 Pin/O-Ring=2001A/B

→ P99

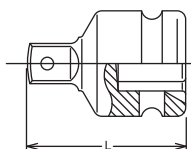
Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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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



3/8"

1/2"

3/4"

SLEEVE-DRIVE SOCKETS SLEEVE-DRIVE STECKSCHLÜSSEL DOUILLES, SLEEVE DRIVE



Sleeve-Drive Sockets

Sleeve-Drive Steckschlüssel

Douilles, Sleeve Drive

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES



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.

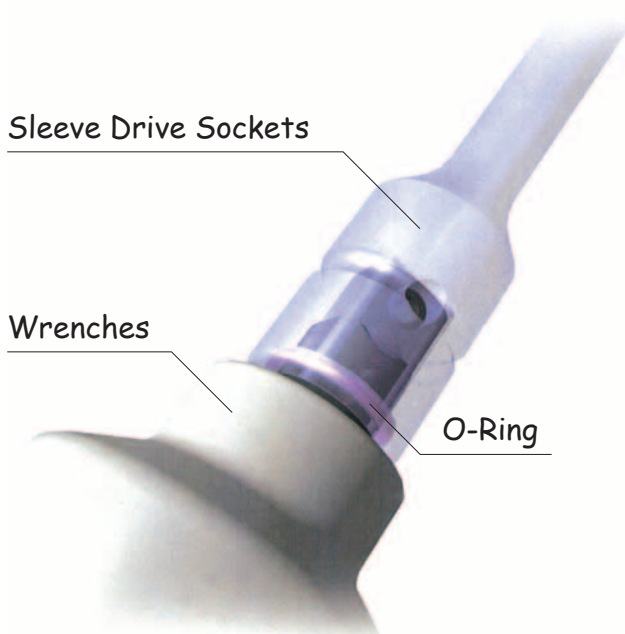
Der **Sleeve-Drive** Vierkant-Antrieb vermeidet durch die vertiefte Passung den "Wackelkontakt" zwischen Maschine - Verlängerung - Steckschlüssel. Ein im **Antriebsende der Sleeve-Drive-Steckschlüssel** eingesetzter Ring optimiert den festen Sitz der Verlängerungen und Steckschlüssel auf der Schrauberspindel 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 engendrées par les outils traditionnels sont de ce fait supprimées. Il en résulte une transmission plus précise du coupe de serrage et un plus grand confort de travail pour l'opérateur.

Sleeve Drive Sockets

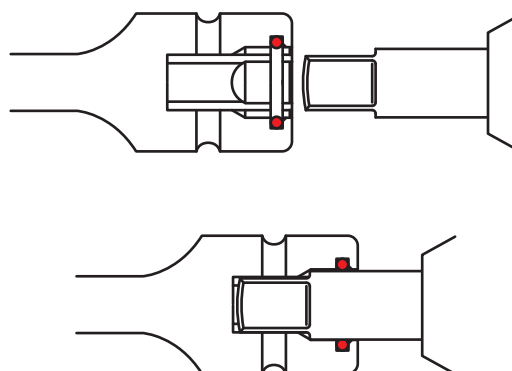
Wrenches

O-Ring



SLEEVE DRIVE SOCKET

PULSE TOOL

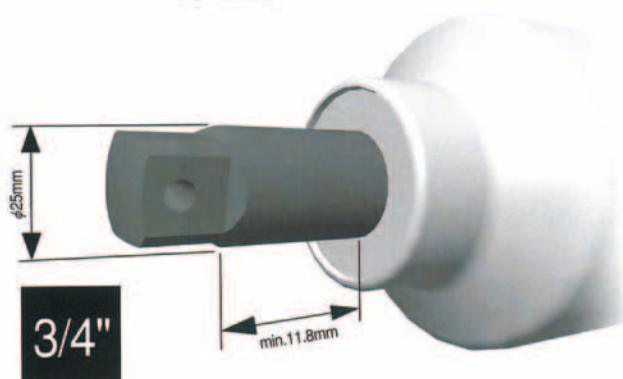
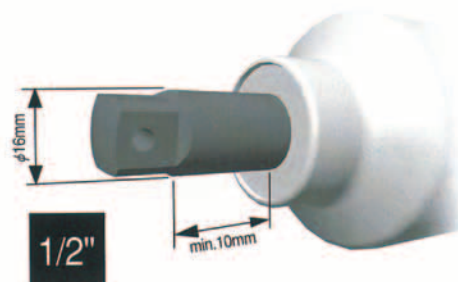
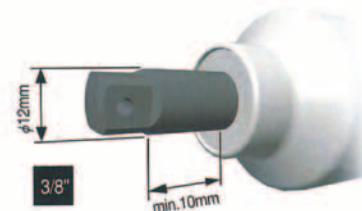


The "**Sleeve Drive**" Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

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

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

NV13400 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	7	43	53	10	*1
11	17	19	8	43	54	10	*1
12	18.3	19	9	43	55	10	*1
13	19.5	22	10	43	80	10	*2
14	20.8	22	10	43	80	10	*2
15	22	22	11	43	81	10	*2
16	23.3	22	11	43	83	10	*2
17	24.5	22	11	43	85	10	*2
18	25.8	22	11	43	89	10	*2
19	27	22	11	43	98	10	*2
21	29.5	22	11	43	105	10	*2
22	30.8	22	11	43	112	10	*2

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

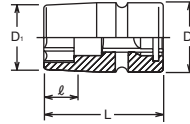
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P98-99

NV13400



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



NV13145-100/-150/-200



Extended Sockets
Schaftsteckschlüssel
Douilles rallongées

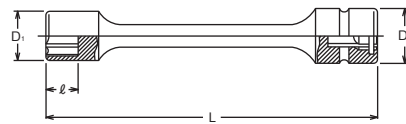
NV13145-100 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	100	108	10	*1
8	13	19	8	100	110	10	*1
10	15.5	19	10	100	112	10	*1
12	18	19	12	100	120	10	*1
13	19	19	13	100	127	10	*1
14	21	19	14	100	131	10	*1
15	22	19	15	100	133	10	*1
16	24	19	15	100	144	10	*1
17	25	19	15	100	154	10	*1

NV13145-150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	150	160	10	*1
8	13	19	8	150	160	10	*1
10	15.5	19	10	150	165	10	*1
12	18	19	12	150	168	10	*1
13	19	19	13	150	170	10	*1
14	21	19	14	150	175	10	*1
15	22	19	15	150	177	10	*1
16	24	19	15	150	190	10	*1
17	25	19	15	150	203	10	*1

NV13145-200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	200	210	10	*1
8	13	19	8	200	210	10	*1
10	15.5	19	10	200	212	10	*1
12	18	19	12	200	214	10	*1
13	19	19	13	200	218	10	*1
14	21	19	14	200	220	10	*1
15	22	19	15	200	226	10	*1
16	24	19	15	200	235	10	*1
17	25	19	15	200	250	10	*1

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

→ P98-99



NV13760-75P/-125P/-250P

Extension Bars
Verlängerungen
Rallonges

NV13760	D (mm)	L (mm)	(g)	(pcs.)	
75P	19	75	93	10	*1
125P	19	125	147	10	*1
250P	19	250	253	10	*1

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

→ P98-99



Sleeve-Drive Sockets

Sleeve-Drive Steckschlüssel

Douilles, Sleeve Drive

3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

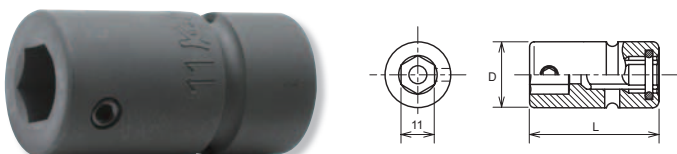
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

NV13105

Bit Holder
Klingenhalter
Porte-embouts



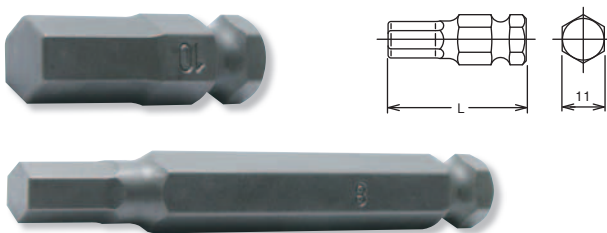
	D (mm)	L (mm)	(g)	(pcs.)	
NV13105	22	43	90	5	*1

*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

Replacement Screw : M5x6, ● 2.5mm
Ersatzschraube : M5x6, ● 2.5mm
Vis de remplacement : M5x6, ● 2.5mm

107-11

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



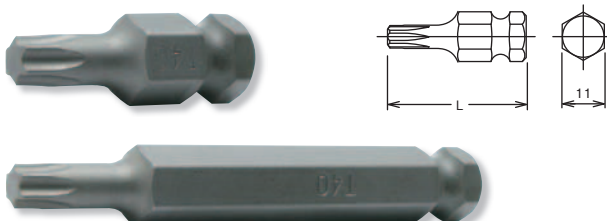
107-11 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10

107-11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107-11(L80) (mm)	L (mm)	(g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

107-11 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®

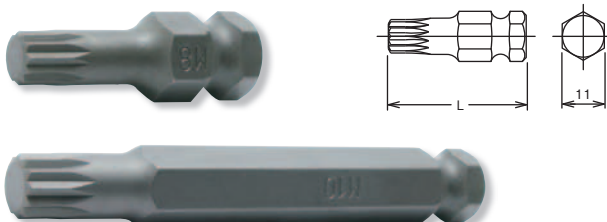


107-11 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10

107-11(L80) (T)	L (mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45	80	56	10
T50	80	57	10
T55	80	66	10
T60	80	76	10

107-11 (XZN)

Bits XZN
Klingen XZN
Embouts de vissage, XZN



107-11 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10

107-11(L80) (XZN)	L (mm)	(g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

1/2"

Sleeve-Drive Sockets
Sleeve-Drive Steckschlüssel
Douilles, Sleeve Drive

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

NV14400 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
12	19.5	25	9	54	120	10	*1
13	20.7	25	10	54	120	10	*1
14	22	25	10	54	120	10	*1
15	23.2	30	11	54	188	10	*2
16	24.5	30	11	54	189	10	*2
17	25.7	30	12	54	190	10	*2
18	27	30	12	54	190	10	*2
19	28.2	30	12	54	190	10	*2
21	30.7	30	12	54	191	10	*2
22	32	30	12	54	192	10	*2
23	33.2	30	12	54	196	10	*2
24	34.5	30	12	54	200	10	*2

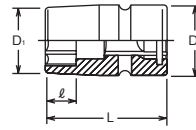
*1 C-Ring=1401C, Pin/O-Ring=1401A/B

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

→ P98-99

NV14400

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



NV14145-150 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	150	200	10	*1
12	18	25	12	150	215	10	*1
13	19	25	13	150	220	10	*1
14	21	25	14	150	225	10	*1
15	22	25	15	150	230	10	*1
16	24	25	15	150	240	10	*1
17	25	25	15	150	250	10	*1
18	26	25	15	150	262	10	*1
19	28	25	15	150	275	10	*1

NV14145-200 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	200	236	10	*1
12	18	25	12	200	250	10	*1
13	19	25	13	200	260	10	*1
14	21	25	14	200	270	10	*1
15	22	25	15	200	275	10	*1
16	24	25	15	200	287	10	*1
17	25	25	15	200	300	10	*1
18	26	25	15	200	310	10	*1
19	28	25	15	200	320	10	*1

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

→ P98-99

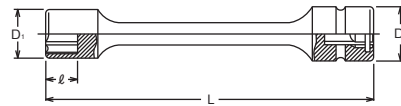
NV14760	D (mm)	L (mm)	(g)	(pcs.)	
75P	25	75	149	10	*1
125P	25	125	230	10	*1
175P	25	175	308	10	*1
250P	25	250	422	10	*1

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

→ P98-99

NV14145-100/-150/-200

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées



NV14145-100 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
10	15.5	25	10	100	161	10	*1
12	18	25	12	100	178	10	*1
13	19	25	13	100	175	10	*1
14	21	25	14	100	181	10	*1
15	22	25	15	100	185	10	*1
16	24	25	15	100	193	10	*1
17	25	25	15	100	201	10	*1
18	26	25	15	100	211	10	*1
19	28	25	15	100	221	10	*1

NV14760-75P/-125P/-175P/-250P

Extension Bars
Verlängerungen
Rallonges



NV14433A-75P/-100P/-150P

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie



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

→ P98-99

⚠ 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.

Sleeve-Drive Sockets

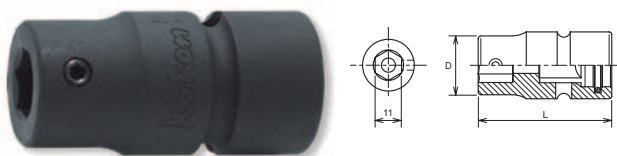
Sleeve-Drive Steckschlüssel

Douilles, Sleeve Drive

1/2"

NV14105

Bit Holder
Klingenhalter
Porte-embouts



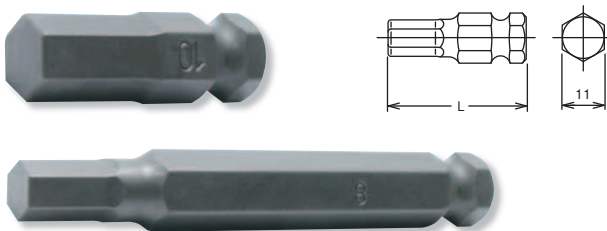
	D (mm)	L (mm)	(g)	(pcs.)	
NV14105	22	43	115	5	*1

*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

Replacement Screw : M5x6, ● 2.5mm
Ersatzschraube : M5x6, ● 2.5mm
Vis de remplacement : M5x6, ● 2.5mm

107-11

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



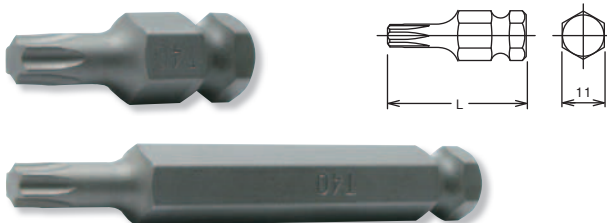
107-11 (inch)	L (mm)	(g)	(pcs.)
3/16	35	15	10
7/32	35	16	10
1/4	35	18	10
5/16	35	20	10
3/8	35	26	10
7/16	35	28	10
1/2	35	38	10
5/8	35	47	10
3/4	35	56	10

107-11 (mm)	L (mm)	(g)	(pcs.)
3	35	15	10
4	35	16	10
5	35	16	10
6	35	18	10
7	35	19	10
8	35	20	10
10	35	26	10
11	35	28	10
12	35	31	10
14	35	38	10
16	35	47	10
17	35	50	10
18	35	53	10
19	35	56	10

107-11(L80) (mm)	L (mm)	(g)	(pcs.)
4	80	54	10
5	80	54	10
6	80	56	10
7	80	57	10
8	80	59	10
10	80	64	10
11	80	66	10
12	80	76	10
14	80	98	10

107-11 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®

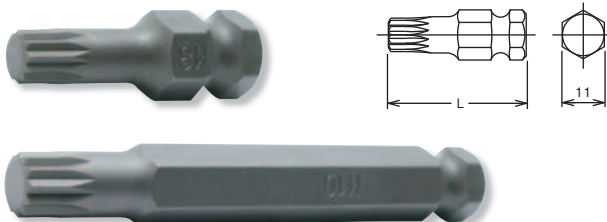


107-11 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	31	10
T60	35	38	10

107-11(L80) (T)	L (mm)	(g)	(pcs.)
T30	80	54	10
T40	80	54	10
T45	80	56	10
T50	80	57	10
T55	80	66	10
T60	80	76	10

107-11 (XZN)

Bits XZN
Klingen XZN
Embouts de vissage, XZN



107-11 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	20	10
M 6	35	22	10
M 8	35	26	10
M10	35	31	10
M12	35	38	10

107-11(L80) (XZN)	L (mm)	(g)	(pcs.)
M 4	80	54	10
M 5	80	54	10
M 6	80	56	10
M 8	80	57	10
M10	80	66	10
M12	80	76	10
M14	80	80	10

3/4"

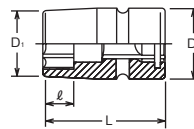
Sleeve-Drive Sockets
Sleeve-Drive Steckschlüssel
Douilles, Sleeve Drive

NV16400 (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	68	483	5	*1
29	45	44	18	68	492	5	*1
30	46.3	44	18	68	492	5	*1
32	48.8	44	19	70	514	5	*1
33	50	44	20	70	564	5	*1
34	51.3	44	20	70	588	5	*1
35	52.5	44	20	70	593	5	*1
36	53.8	44	20	70	598	5	*1
38	56.3	44	20	72	670	2	*1
41	60	44	22	72	687	2	*1
46	66.3	44	23	77	906	2	*1
50	69	44	23	77	1116	2	*1

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99

NV16400

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



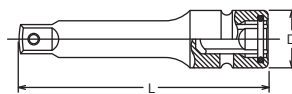
NV16760-175/-250/-330

Extension Bars
Verlängerungen
Rallonges



NV16760	D (mm)	L (mm)	(g)	(pce.)	
175	44	175	870	1	*1
250	44	250	1160	1	*1
330	44	330	1460	1	*1

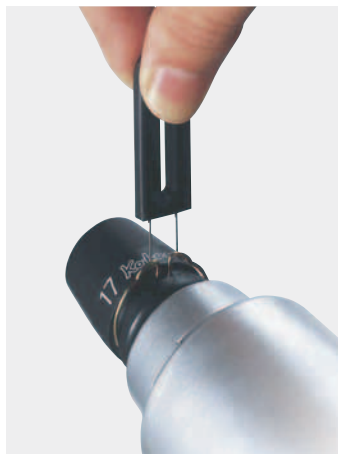
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99



C-Ring Lock Clamps and Pullers

Sicherungsklemmen und Abzieher

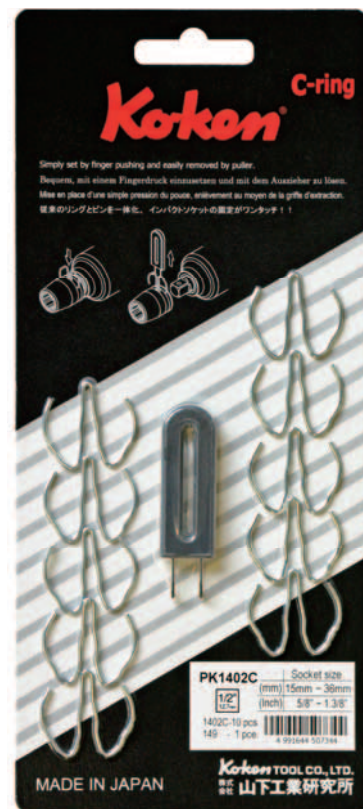
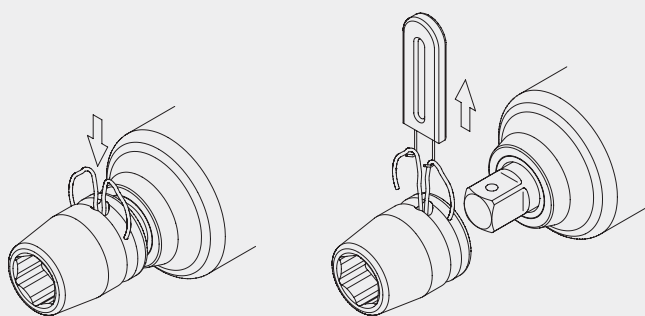
Crochets de sécurité et extracteurs



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.

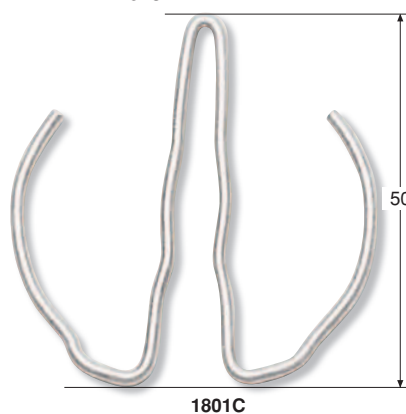
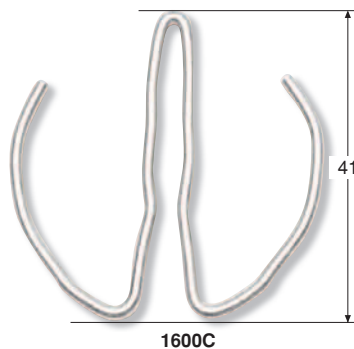
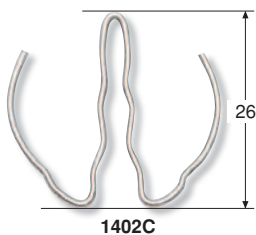
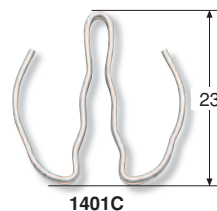
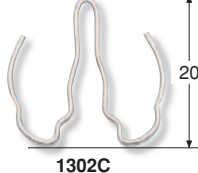
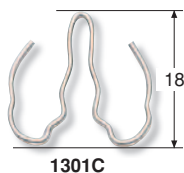
Aus starkem Federstahl, in einem Stück. Bequem, mit einem Fingerdruck einzusetzen und mit dem Auszieher zu lösen. Einfacher und sicherer als die Kombination Stift und Ring.

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)	Opening (mm)	(pcs.)
1301C	3/8"	≤ 12	100
1302C	3/8"	> 12	100
1401C	1/2"	≤ 14	100
1402C	1/2"	> 14	100
1600C	3/4"	≤ 46	100
1801C	1"	≤ 70	100
1802C	1"	> 70	50
1700C	1-1/2"	≤ 90	50



C-Ring Set

Set No.	Opening (mm)	C-Ring 10pcs.	Puller 1pce.
PK1301C	3/8"	1301C + 149	
PK1302C	3/8"	1302C + 149	
PK1401C	1/2"	1401C + 149	
PK1402C	1/2"	1402C + 149	
PK1600C	3/4"	1600C + 152	
PK1801C	1"	1801C + 152	

Puller

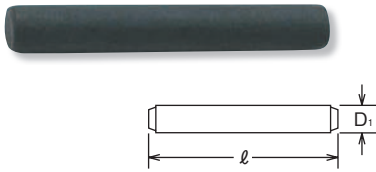
No.	Opening (mm)	(pcs.)
149	3/8" 1/2"	10
152	3/4" 1"	10



149

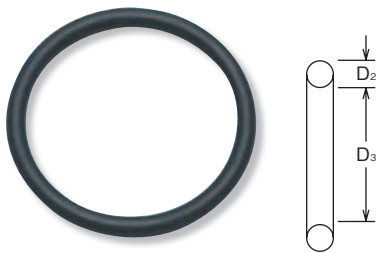


152



Pin

No.	□	Opening (mm)	D ₁ (mm)	ℓ (mm)	pcs.)
1200A	1/4"		1.5	10.2	100
1301A	3/8"	≤ 12	2.5	14.5	100
1302A	3/8"	> 12	2.5	17.5	100
1401A	1/2"	≤ 14	3.5	20	100
1402A	1/2"	> 14	3.5	25	100
1500A	5/8"		4	30	100
1601A	3/4"	≤ 46	5.5	35	100
1602A	3/4"	> 46	5.5	45	100
1801A	1"	≤ 70	6	45	100
1802A	1"	> 70	6	75	50
1701A	1-1/2"	≤ 90	7	75	50
1702A	1-1/2"	> 90	7	110	50
1901A	2-1/2"	≤ 115	9	110	50
1902A	2-1/2"	> 115	9	155	50
2001A	3-1/2"	≤ 140	13	155	
2002A	3-1/2"	> 140	13	180	



O-Ring

No.	□	Opening (mm)	D ₂ (mm)	D ₃ (mm)	pcs.)
1200B	1/4"		2.5	9	100
1301B	3/8"	≤ 12	3.5	13	100
1302B	3/8"	> 12	3.5	16	100
1401B	1/2"	≤ 14	4	19	100
1402B	1/2"	> 14	4	24	100
1500B	5/8"		4.5	28	100
1601B	3/4"	≤ 46	5	36	100
1602B	3/4"	> 46	5	45	100
1801B	1"	≤ 70	7	45	100
1802B	1"	> 70	7	75	50
1701B	1-1/2"	≤ 90	10	75	50
1702B	1-1/2"	> 90	10	114	50
1901B	2-1/2"	≤ 115	10.5	114	50
1902B	2-1/2"	> 115	10.5	158	50
2001B	3-1/2"	≤ 140	15	158	
2002B	3-1/2"	> 140	15	183	



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

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

IMPACT Standard Sockets	Sq. Dr.	1/4"	3/8"		1/2"		3/4"		1"		1-1/2"	
	C-Ring		1301C	1302C	1401C	1402C	1600C	1801C	1801C	1802C	1700C	
	O-Ring / Pin	1200A/B	1301A/B	1302A/B	1401A/B	1402A/B	1601A/B	1602A/B	1801A/B	1802A/B	1701A/B	1702A/B
4		●										
4.5	3/16	●										
5		●										
5.5		●										
6	1/4	●	●									
7	9/32	●	●									
8	5/16	●	●		●							
9	11/32	●	●		●							
10	3/8	●	●		●							
11	7/16	●	●		●							
12		●	●		●							
13	1/2	●		●	●							
14	9/16	●		●	●							
15				●		●						
16	5/8			●		●			●			
17	11/16			●		●	●		●			
18				●		●	●		●			
19	3/4			●		●	●		●			
20				●		●	●		●			
21	13/16			●		●	●		●			
22	7/8			●		●	●		●			
23				●		●	●		●			
24	15/16			●		●	●		●			
25	1					●	●		●			
26						●	●		●			
27	1- 1/16					●	●		●			
28						●	●		●			
29	1- 1/8					●	●		●			
30	1- 3/16					●	●		●			
31						●	●		●			
32	1- 1/4					●	●		●			
33	1- 5/16					●	●		●			
34	1- 3/8					●	●		●			
36						●	●		●			
37	1- 7/16						●		●			
38	1- 1/2						●		●			
39							●		●			
40	1- 9/16						●		●			
41	1- 5/8						●		●		●	
42							●		●		●	
43	1- 11/16						●		●		●	
44							●		●		●	
45	1- 3/4						●		●		●	
46	1- 13/16						●		●		●	
47								●	●		●	
48	1- 7/8							●	●		●	
	1- 15/16							●	●		●	
50								●	●		●	
	2							●	●		●	
52	2- 1/16							●	●		●	
54	2- 1/8							●	●		●	
55	2- 3/16							●	●		●	
56								●	●		●	
	2- 1/4							●	●		●	
58	2- 5/16							●	●		●	
60	2- 3/8							●	●		●	
62	2- 7/16							●	●		●	
63								●	●		●	
	2- 1/2							●	●		●	
65	2- 9/16							●	●		●	
67	2- 5/8							●	●		●	
68	2- 11/16							●	●		●	
70	2- 3/4							●	●		●	
	2- 13/16								●	●	●	
	2- 7/8									●	●	
75	2- 15/16									●	●	
	3									●	●	
	3- 1/16									●	●	
80	3- 1/8									●	●	
	3- 1/4									●	●	
85										●	●	
	3- 3/8									●	●	
90	3- 1/2									●	●	
	3- 5/8										●	
95	3- 3/4											●
100	3- 7/8											●
105	4											●
	4- 1/8											●
110	4- 1/4											●
115	4- 1/2											●
120	4- 5/8											●
	4- 3/4											●
125	4- 7/8											●
130	5											●
135	5- 1/4											●
140												●
150												●
	6											●
	6- 1/2											●

1/4"

3/8"

1/2"

INDUSTRIAL SOCKETS

STECKSCHLÜSSEL, INDUSTRIE-AUSFÜHRUNG

CLÉS À DOUILLE, FINISSAGE INDUSTRIEL



Industrial Sockets

Steckschlüssel, Industrie-Ausführung

Clés à douille, finissage industriel

1/4"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

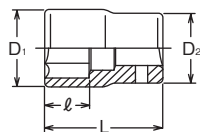
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

22400M



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

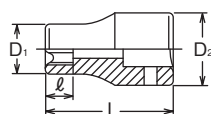


22400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10

22425



TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



22425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

TORX®
(E)

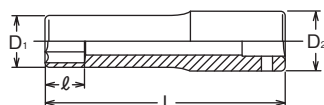


E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S	(ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

22300M / 22300A



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



22300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7	10.3	11.2	8	50	24	10
8	11.2	11.7	9	50	28	10
10	14.3	12.9	11	50	33	10
12	16.8	15.5	13	50	50	10
13	18	16.4	14	50	50	10

22300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
1/4	9.6	11.2	7	50	24	10
5/16	11.2	11.7	9	50	28	10
3/8	13.7	12.5	11	50	33	10

Industrial sockets are thin walled sockets and to be used on electric or pneumatic nut runners for assembly work only.

Bei den Industrial Steckschlüsseln handelt es sich um dünnwandige Werkzeuge, die ausschliesslich auf pneumatischen und elektrischen Drehschraubern (nicht schlagend) verwendet werden dürfen.

Les douilles Industrial à paroi mince ne doivent être utilisées que sur des vis à fixer par visseuses (non-chocs).

3/8"

Industrial Sockets
Steckschlüssel, Industrie-Ausführung
Clés à douille, finissage industriel

	23400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New	6	9.9	17.3	6	26	20	10
New	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
New	21	28	26	14.5	32	77	10

	23400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
	5/16	12	17.3	6.9	26	22	10
	3/8	13.9	17.3	8	26	22	10
	7/16	15.8	17.3	9.3	26	25	10
	1/2	18	17	9.4	26	24	10
	9/16	19.5	18.5	11	27	31	10
	11/16	24.6	22.5	13	30	51	10
	3/4	26	23.5	13.5	30	63	10

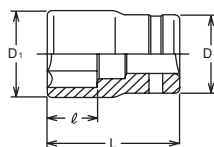
	23405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New	8	12	17.3	6.9	26	22	10
New	10	14.5	17.3	8	26	24	10
New	12	16.8	17.3	9	26	25	10
New	14	19.5	18.5	11	27	31	10

	23410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New	8	12	17.3	6.9	26	22	10
New	10	14.5	17.3	8	26	24	10
New	12	16.8	17.3	9	26	25	10
New	13	18	17	9.4	26	24	10
New	14	19.5	18.5	11	27	31	10
New	15	21	19.5	11.5	28	39	10
New	16	22	20	12	28	42	10
New	17	23.5	21.5	12.5	29	51	10
New	18	24.6	22.5	13	30	51	10
New	19	26	23.5	13.5	30	53	10

	23425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
	E 5	7	17.3	5.2	26	20	10
	E 6	8.3	17.3	5.4	26	21	10
	E 7	8.9	17.3	6.6	26	22	10
	E 8	9.9	17.3	7	26	23	10
	E10	12	17.3	8.2	26	24	10
	E11	13.3	17.3	8.7	26	25	10
	E12	14.5	17.3	9.3	26	26	10
	E14	15.8	17.3	10.6	26	27	10
	E16	18	17	11.8	26	27	10

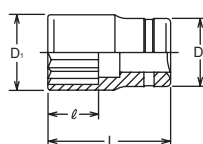
23400M / 23400A

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



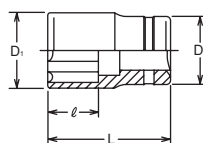
23405M

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



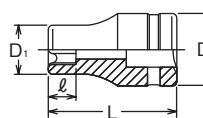
23410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



23425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

Industrial Sockets

Steckschlüssel, Industrie-Ausführung

Clés à douille, finissage industriel

3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

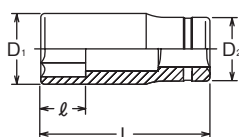
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

23300M / 23300A

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

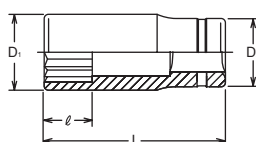


23300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	55	45	10
10	14.5	17.4	11	55	52	10
11	16	17.2	12	55	55	10
12	16.8	17.2	13	55	58	10
13	18	17	14	55	57	10
14	20	18	16	55	68	10
15	21	20	16	55	78	10
16	22	20	17	55	79	10
17	23.5	22	18	55	96	10
18	24.5	23	19	55	96	10
19	25	24	20	55	102	10

23300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.4	9	55	45	10
3/8	14	17.4	11	55	51	10
7/16	16	17.2	12	55	55	10
1/2	18	17	14	55	57	10
9/16	20	18	16	55	68	10
11/16	23.5	22	18	55	96	10
3/4	25	24	20	55	102	10

23305M

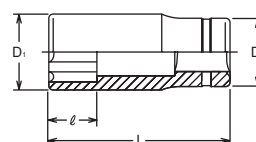
12-point Deep Sockets
12-kant Steckschlüssel, lang
Douilles longues 12-pans



23305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New 8	12	17.4	9	55	45	10
New 10	14.5	17.4	11	55	52	10
New 12	16.8	17.2	13	55	58	10
New 14	20	18	16	55	68	10

23310M

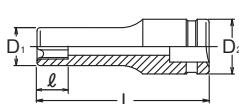
Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive



23310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New 8	12	17.4	9	55	45	10
New 10	14.5	17.4	11	55	52	10
New 12	16.8	17.2	13	55	58	10
New 13	18	17	14	55	57	10
New 14	20	18	16	55	68	10
New 15	21	20	16	55	80	10
New 17	23.5	22	18	55	96	10

23325

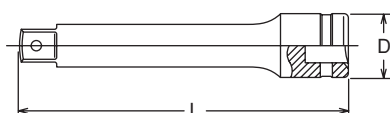
TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



23325 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E 5	6.9	17.4	5.2	55	50	10
E 6	7.9	17.4	5.4	55	52	10
E 7	8.9	17.4	6.6	55	55	10
E 8	9.9	17.4	7	55	58	10
E10	11.8	17.2	8.2	55	60	10
E12	14.5	17.2	9.3	55	68	10
E14	15.7	17.2	10.6	55	77	10
E16	18	17	11.8	55	80	10

23760-75P/-125P/-250

Extension Bars
Verlängerungen
Rallonges



23760	D (mm)	L (mm)	(g)	(pcs.)
New 75P	18	75	70	10
New 125P	18	125	110	10
New 250P	18	250	200	5

1/2" Industrial Sockets

Steckschlüssel, Industrie-Ausführung
Clés à douille, finissage industriel

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

24400M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
20	27.9	26	15	38	92	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.9	30	17	42	140	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
32	42.8	38	23	46	250	5

24400A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	10

24405M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New 10	15.3	21	9	37	45	10
New 12	17.8	21	10	37	47	10
New 14	20.3	22	11	37	56	10
New 17	24.1	23	12.5	37	69	10
New 19	26.6	25	14	38	89	10

24410M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New 10	15.3	21	9	37	45	10
New 12	17.8	21	10	37	47	10
New 13	19	22	10.5	37	53	10
New 14	20.3	22	11	37	56	10
New 15	21.5	22	11.5	37	52	10
New 16	22.8	22	12	37	62	10
New 17	24.1	23	12.5	37	69	10
New 18	25.1	24	13	37	74	10
New 19	26.6	25	14	38	89	10
New 21	29.1	27	15.5	38	102	10
New 22	30.1	28	16	40	113	10
New 24	32.9	30	17	42	140	10

24425 (E)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
E10	13.2	21	8.2	36	68	10
E12	14.6	21	9.3	37	70	10
E14	16.5	21	10.6	37	75	10
E16	19	21.9	11.8	37	80	10
E18	20.3	21.9	13	37	83	10
E20	22.9	22	14.4	37	121	10

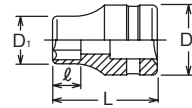
TORX®
(E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28
S (ref. mm)	3.83	4.72	5.69	6.17	7.47	9.37	10.03	11.12	12.85	14.71	16.64	18.41	20.24	22.10	23.85	25.65

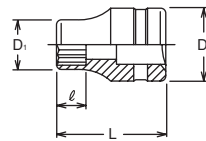
24400M / 24400A

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



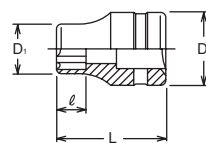
24405M

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



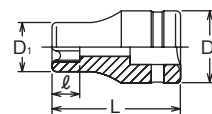
24410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



24425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



Industrial Sockets

Steckschlüssel, Industrie-Ausführung

Clés à douille, finissage industriel

1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

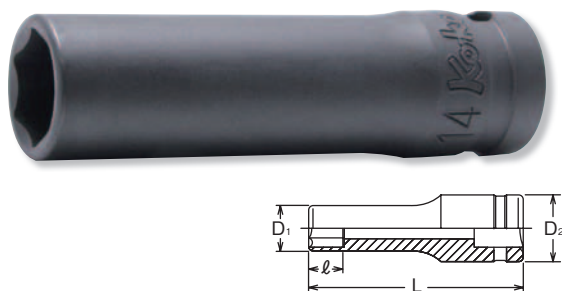
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

24300M / 24300A

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

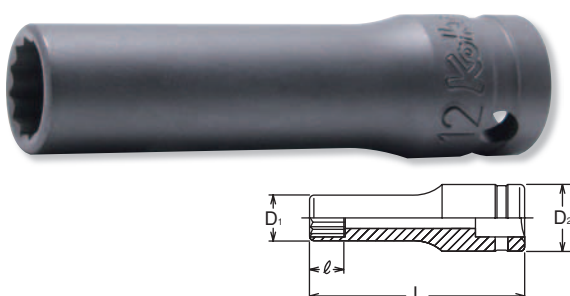


24300M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	77	91	10
11	16.5	21	12	77	95	10
12	17.8	21	13	77	99	10
13	19	21.8	14	77	107	10
14	20.3	21.8	16	77	118	10
15	21.5	21.8	16	77	123	10
16	22.8	22	17	77	141	10
17	24	23	18	77	150	10
18	25	24	19	77	164	10
19	26.5	25	20	77	177	10
20	27.8	26	21	77	178	10
21	29	27	23	77	187	10
22	30	28	27	77	202	10
24	32.8	30	27	77	252	10
New 27	36.5	33	28	77	303	10
New 30	40	36	34	77	342	10
New 32	42.8	38	34	77	405	10

24300A (inch)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	12	77	95	10
1/2	19	21.8	14	77	107	10
9/16	20.3	21.8	15	77	118	10
5/8	22.8	22	17	77	141	10
21/32	24	23	18	77	150	10
11/16	25	24	19	77	164	10
3/4	26.5	25	20	77	177	10
13/16	29	27	23	77	187	10
15/16	32.8	30	27	77	252	10

24305M

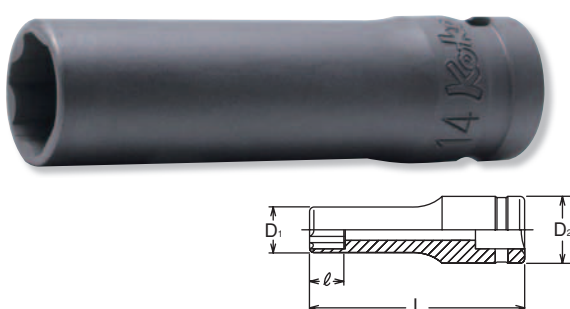
12-point Deep Sockets
12-kant Steckschlüssel, lang
Douilles longues 12-pans



24305M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New 10	15.3	21	11	77	91	10
New 12	17.8	21	13	77	99	10
New 14	20.3	21.8	16	77	118	10
New 17	24	23	18	77	150	10
New 19	26.5	25	20	77	177	10

24310M

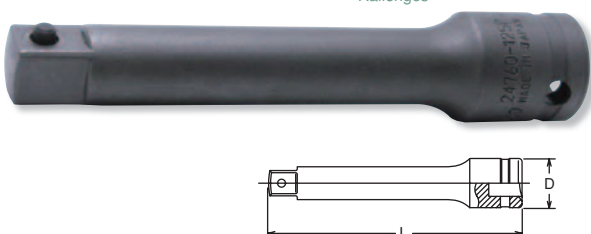
Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive



24310M (mm)	D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
New 10	15.3	21	11	77	91	10
New 12	17.8	21	13	77	99	10
New 13	19	21.8	14	77	107	10
New 14	20.3	21.8	16	77	118	10
New 15	21.5	21.8	16	77	123	10
New 16	22.8	22	17	77	141	10
New 17	24	23	18	77	150	10
New 18	25	24	19	77	160	10
New 19	26.5	25	20	77	177	10
New 21	29	27	23	77	187	10
New 22	30	28	27	77	202	10
New 24	32.8	30	27	77	250	10

24760-75P/-125P/-250

Extension Bars
Verlängerungen
Rallonges

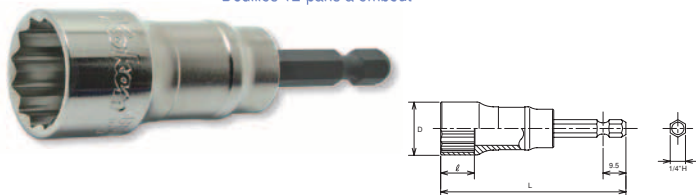


24760	D (mm)	L (mm)	(g)	(pcs.)
New 75P	24	75	140	10
New 125P	24	125	200	5
New 250P	24	250	370	5

**TOOLS FOR CONSTRUCTION SITES
WERKZEUGE FÜR DAS BAUGEWERBE
OUTILLAGE POUR L'INDUSTRIE DU BÂTIMENT**



BD014SE 12-point Nut Setters 12-kant Steckschlüsselklingen Douilles 12-pans à embout



BD014SE (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	12	12	77	35	10
10	14	12	77	38	10
12	16.5	14	77	48	10
13	17.5	14	77	51	10
14	19	14	77	54	10
17	22.5	14	77	76	10
19	24.5	14	77	83	10
21	27	14	77	104	10
22	28	14	77	120	10
24	30.3	14	77	140	10

● DIN 3126 Form E 6.3

BD014E 12-point Nut Setters, deep 12-kant Steckschlüsselklingen, lang Douilles longues, 12-pans à embouts



BD014E (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	12	12	104	50	10
9	13	14	104	52	10
10	14	12	104	58	10
11	16	17	104	71	10
12	16.5	18	104	73	10
13	17.5	18	104	78	10
14	19	18	104	83	10
17	22.5	18	104	111	10
19	24.5	18	104	128	10
21	27	18	104	150	10
22	28	18	104	157	10
24	30.3	18	104	180	10

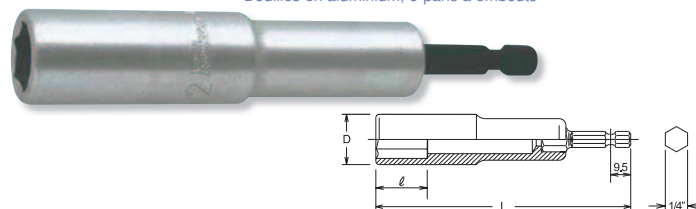
● DIN 3126 Form E 6.3

BD014E-140 6-point Nut Setters, extra deep 6-kant Steckschlüsselklingen, extra lang Douilles extra-longues, 6-pans à embouts



BD014E-140 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)
13	19	20	140	120
17	24	26	140	190

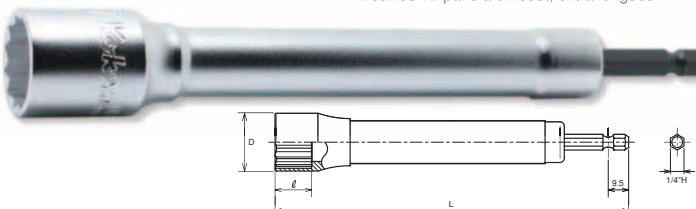
ANBD007E 6-point Nut Setters, Aluminium alloyed 6-kant Aluminium Steckschlüssel Klingen Douilles en aluminium, 6-pans à embouts



ANBD007E (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
8	14	12	115	37	10
9	15	14	115	40	10
10	16	15	115	43	10
11	18	17	115	48	10
12	19	18	115	50	10
13	20	20	115	53	10
14	21	21	115	57	10
17	25	26	115	74	10
19	27	29	115	80	10
21	30	32	115	91	10

● DIN 3126 Form E 6.3

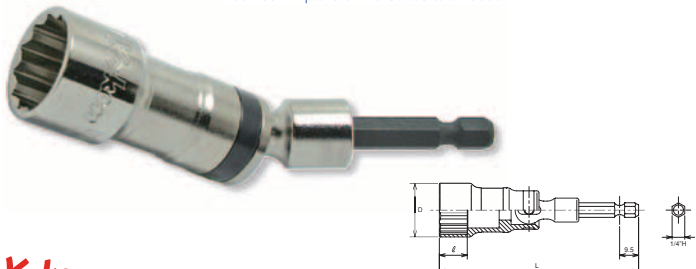
BD008E-165 (12P) 12-point Nut Setter, extra long 12-kant Steckschlüsselklinge, extra lang Douilles 12-pans à embout, extra longues



BD008E.165 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
17(12P)	22.5	17	165	178	10
19(12P)	24.5	17	165	195	10
21(12P)	27	17	165	233	10

● DIN 3126 Form E 6.3

BD011SE 12-point Universal Joint Nut Setters 12-kant Steckschlüsselklingen mit Gelenk Douilles 12-pans universelles à embout



BD011SE (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10	14	12	100	85	10
12	16.5	12	100	90	10
13	17.5	12	100	95	10
14	19	12	100	100	10
17	22.5	14	100	115	10
19	24.5	14	100	120	10
21	27	14	100	140	10
22	28	14	100	150	10

● DIN 3126 Form E 6.3

BD14400MJ (mm)		D ₁ (mm)	D ₂ (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)	
13	1/2"	20.7	25	5	38	140	10	*1
15		23.2	30	5	38	145	10	*2
16		24.5	30	6.5	38	145	10	*2
17		25.7	30	6.5	38	145	10	*2
19		28.2	30	7.5	38	145	10	*2
21		30.7	30	9	38	185	10	*2
24		34.5	30	10.5	38	190	10	*2

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

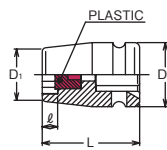
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

→ P98-99

BD14400MJ



6-point Sockets for Anchor Screws
6-kant Steckschlüssel
Douilles 6-pans



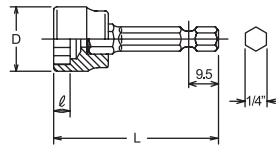
BD016E (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

◆ DIN 3126 Form E 6.3

BD016E



6-point Sockets for Anchor Screws
6-kant Steckschlüssel
Douilles 6-pans



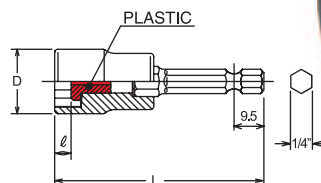
BD016JE (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
13	19.5	5	60	66	10
17	24.5	6.5	60	80	10
19	27	7.5	60	90	10

◆ DIN 3126 Form E 6.3

BD016JE



6-point Nut Setters with Plastic Stops
6-kant Steckschlüsselklingen mit Plastik-Anschlag
Douilles 6-pans à embout avec arrêt en plastique

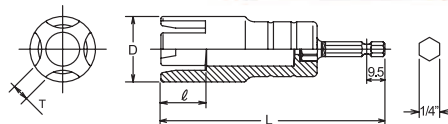


BD017E	D (mm)	T (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
	31	7.3	21	104	158	10

◆ 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



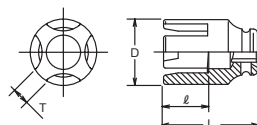
BD018	D (mm)	T (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
	31	7.3	21	45	113	10

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

→ P98-99

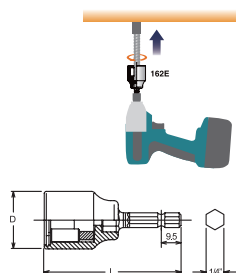
BD018

Wing Bolt Socket
Steckschlüssel für Flügelschrauben
Douilles pour écrous à oreilles



162E Stud Setters Stehbolzeneindreher Monte-goujons

PATENTED

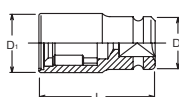


162E (mm)	D (mm)	L (mm)	(g)	(pcs.)
8	23	66	82	10
10	27.9	66	107	10

162E (inch)	D (mm)	L (mm)	(g)	(pcs.)
1/4	23	66	83	10
5/16	23	66	82	10
3/8	27.9	66	107	10
1/2	27.9	66	108	10

● DIN 3126 Form E 6.3

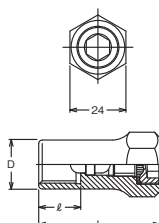
BD004 Impact Screw and Stud Setters Impact Stehbolzeneindreher Monte goujons, Impact



BD004 (mm)		D ₁ (mm)	D ₂ (mm)	L (mm)	(g)	(pcs.)
12.5x10	1/2"	30	25	70	236	5
12.5x13		38	30	75	388	3
12.5x16		38	30	75	369	3
20 x19	3/4"	48	44	90	775	3
20 x22		48	44	90	752	3
20 x25		62	44	95	1184	2
20 x29		62	44	95	1148	2

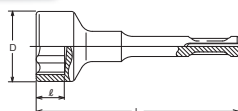
HA001 Stud Setters Stehbolzeneindreher Monte-goujons

PATENTED



HA001	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.25)	17.2	15	49	100	10
16(2.0)	21	18	52	125	10
20(2.5)	24.5	21	56	155	10
22(2.5)	26.5	27	61	175	10
24(3.0)	28	28	62	185	10
W3/8	14.8	13	47	90	10
W1/2	17.6	15	49	105	10

HA003 Drive Part Antriebssteil Propulseur

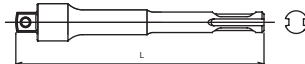


HA003 (mm)	D (mm)	ℓ (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	100	155	10

Socket for HA001

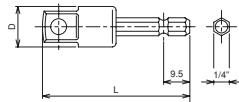


BD022-120P Hammer Drill Adaptor Adapter für Schlagbohrmaschinen Adaptateur pour alésouses



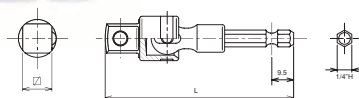
BD022-120P		L (mm)	(g)	(pcs.)
3/8	3/8"	120	100	10
1/2	1/2"	120	160	10

BD023E Adaptors Verbindungsstücke Adaptateurs



BD023E		D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	6.35	55	45	10
1/2	1/2"	6.35	60	50	10

BD024E Universal Adaptors Gelenk Adapter Augmentateur universelles



BD024E		D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	6.35	78	70	10
1/2	1/2"	6.35	82	75	10

Special tools
Sonderwerkzeuge
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[illegible]

Equivalent Standard Bolt Diameters



of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

Socket Opening		Metric sizes										American sizes														English sizes										
		Thread diameters										Thread diameters														Thread Diam										
minimum dimension 1)	maximum dimension 2)	nominal size of wrench mm	ISO R272-1968	German Standard			French Standard NFE 27-111-19303)	Swedish Standards				Nominal Size of Wrench	ISO R272-1962										W	BS												
				metric				Danish Stand DS 17	Metric large SMS 1412	Metric small SMS 1414	Whitworth large SMS 1413		Whitworth small SMS 1415	Bolts	Nuts	Actual A/F	Nomal Series		Heavy Series		Nuts					Bolts and Screws				Nuts						
				DIN.....2)	DIN561+564	DIN6914+6915											Bolts	Nuts	Bolts	Nuts	Normal	Square				Heavy	Normal	Heavy	Machine Screws		Set Screws	Square Nuts	Machine Screw Nuts			
36.73	37.01										1 7/16			144			7/8	7/8	a	b	c		e	f	g	h										
37.10	37.60	37																																		
37.82	38.05																																			
38.10	38.60	38					24																													
38.30	38.61																																			
39.89	40.20										1 1/2	1	1	150	1	1				1	1		1				1 1/2									
40.36	40.59										1 9/16																									
41.10	41.60	41	27	30	27		24	1		27																										
41.50	41.81																																			
42.10	42.60	42						27			1 5/8			162			1	1			1		1													
42.67	42.93																																			
43.08	43.38										1 11/16	1 1/8	1 1/8	169	1 1/8	1 1/8				1 1/8	1 1/8		1 1/8													
44.70	45.03										1 3/4																									
46.10	46.60	46	30	33	30	36	27	1 1/8	30	30																										
46.28	46.61										1 13/16			181			1 1/8	1 1/8				1 1/8		1 1/8												
47.10	47.60	47									1 1/8	1 1/4																								
47.52	47.80																																			
47.88	48.21										1 7/8	1 1/4	1 1/4	188	1 1/4	1 1/4				1 1/4	1 1/4		1 1/4													
50.10	50.60	50	33	36	33		1 1/4	33	33																											
51.08	51.44										2			200			1 1/4	1 1/4				1 1/4		1 1/4												
52.10	52.60	52									1 1/4	1 3/8																								
52.37	52.68																																			
52.68	53.04																																			
54.12	54.72	54						36						2 1/16	1 3/8	1 3/8	206	1 3/8	1 3/8			1 3/8	1 3/8		1 3/8											
54.25	54.61													2 1/8																						
55.12	55.72	55	36	39	36	42	1 3/8		36					2 3/16			219			1 3/8	1 3/8		1 3/8		1 3/8											
55.88	56.26																																			
56.12	56.72	56									1 3/8	1 1/2																								
56.72	57.05																																			
57.45	57.84																																			
58.12	58.72	58						39						2 1/4	1 1/2	1 1/2	225	1 1/2	1 1/2			1 1/2	1 1/2		1 1/2											
60.12	60.72	60	39		39		1 1/2		39		1 1/2	1 5/8																								
60.66	61.06													2 3/8			238		1 1/2	1 1/2			1 1/2		1 1/2											
61.57	61.92																																			
62.23	62.64																																			
63.12	63.72	63						42						2 7/16																						
63.83	64.24													2 1/2																						
65.12	65.72	65	42		42	48	1 3/8		42		1 5/8	1 3/4		2 9/16			256					1 5/8		1 5/8												
65.43	65.86																																			
65.91	66.29																																			
67.03	67.46													2 5/8	1 3/4	1 3/4	262	1 3/4	1 3/4																	
67.12	67.72	67						45																												
70.12	70.72	70	45		45		1 3/4		45		1 3/4	1 7/8		2 3/4			275			1 3/4	1 3/4			1 3/4		1 3/4										
70.26	70.69																																			
70.51	70.92																																			
71.12	71.72	71						48																												
71.81	72.26													2 13/16																						
75.03	75.51													2 15/16			294																			
75.15	75.85	75	48		48	56	1 7/8		48		1 7/8	2																								
76.61	77.09													3	2	2	300	2	2																	
77.15	77.85	77						52																												
79.81	80.31																																			
80.15	80.85	80	52		52		2	52		2																										
80.47	80.92																																			
82.15	82.85	82						56																												
85.15	85.85	85	56		56		2 1/4																													
86.18	86.72																																			
88.15	88.85	88						60																												
89.36	89.92																																			
90.15	90.85	90	60		60																															
90.60	91.00																																			
94.15	94.85	94						64																												
95.15	95.85	95	64		64		2 1/2																													
95.76	96.34																		</																	

 Conversion Table: American Inches-Decimal Inches-Millimeter		0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
in	dec.in.	Millimeter(mm)											
	0	0	25.4000	50.8000	76.2000	101.6000	127.0000	152.4000	177.8000	203.2000	228.6000	254.0000	279.4000
1/64	0.01563	0.3969	25.7969	51.1969	76.5969	101.9969	127.3969	152.7969	178.1969	203.5969	228.9969	254.3969	279.7969
1/32	0.03125	0.7938	26.1938	51.5938	76.9938	102.3938	127.7938	153.1938	178.5938	203.9938	229.3938	254.7938	280.1938
3/64	0.04688	1.1906	26.5906	51.9906	77.3906	102.7906	128.1906	153.5906	178.9906	204.3906	229.7906	255.1906	280.5906
1/16	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	230.1875	255.5875	280.9875
5/64	0.07813	1.9844	27.3844	52.7844	78.1844	103.5844	128.9844	154.3844	179.7844	205.1844	230.5844	255.9844	281.3844
3/32	0.09375	2.3813	27.7813	53.1813	78.5813	103.9813	129.3813	154.7813	180.1813	205.5813	230.9813	256.3813	281.7813
7/64	0.10938	2.7781	28.1781	53.5781	78.9781	104.3781	129.7781	155.1781	180.5781	205.9781	231.3781	256.7781	282.1781
1/8	0.12500	3.1750	28.5750	53.9750	79.3750	104.7750	130.1750	155.5750	180.9750	206.3750	231.7750	257.1750	282.5750
9/64	0.14063	3.5719	28.9719	54.3719	79.7719	105.1719	130.5719	155.9719	181.3719	206.7719	232.1719	257.5719	282.9719
5/32	0.15625	3.9688	29.3688	54.7688	80.1688	105.5688	130.9688	156.3688	181.7688	207.1688	232.5688	257.9688	283.3688
11/64	0.17188	4.3656	29.7656	55.1656	80.5656	105.9656	131.3656	156.7656	182.1656	207.5656	232.9656	258.3656	283.7656
3/16	0.18750	4.7625	30.1625	55.5625	80.9625	106.3625	131.7625	157.1625	182.5625	207.9625	233.3625	258.7625	284.1625
13/64	0.20313	5.1594	30.5594	55.9594	81.3594	106.7594	132.1594	157.5594	182.9594	208.3594	233.7594	259.1594	284.5594
7/32	0.21875	5.5563	30.9563	56.3563	81.7563	107.1563	132.5563	157.9563	183.3563	208.7563	234.1563	259.5563	284.9563
15/64	0.23438	5.9531	31.3531	56.7531	82.1531	107.5531	132.9531	158.3531	183.7531	209.1531	234.5531	259.9531	285.3531
1/4	0.25000	6.3500	31.7500	57.1500	82.5500	107.9500	133.3500	158.7500	184.1500	209.5500	234.9500	260.3500	285.7500
17/64	0.26563	6.7469	32.1469	57.5469	82.9469	108.3469	133.7469	159.1469	184.5469	209.9469	235.3469	260.7469	286.1469
9/32	0.28125	7.1438	32.5438	57.9438	83.3438	108.7438	134.1438	159.5438	184.9438	210.3438	235.7438	261.1438	286.5438
19/64	0.29688	7.5406	32.9406	58.3406	83.7406	109.1406	134.5406	159.9406	185.3406	210.7406	236.1406	261.5406	286.9406
5/16	0.31250	7.9375	33.3375	58.7375	84.1375	109.5375	134.9375	160.3375	185.7375	211.1375	236.5375	261.9375	287.3375
21/64	0.32813	8.3344	33.7344	59.1344	84.5344	109.9344	135.3344	160.7344	186.1344	211.5344	236.9344	262.3344	287.7344
11/32	0.34375	8.7313	34.1313	59.5313	84.9313	110.3313	135.7313	161.1313	186.5313	211.9313	237.3313	262.7313	288.1313
23/64	0.35938	9.1281	34.5281	59.9281	85.3281	110.7281	136.1281	161.5281	186.9281	212.3281	237.7281	263.1281	288.5281
3/8	0.37500	9.5250	34.9250	60.3250	85.7250	111.1250	136.5250	161.9250	187.3250	212.7250	238.1250	263.5250	288.9250
25/64	0.39063	9.9219	35.3219	60.7219	86.1219	111.5219	136.9219	162.3219	187.7219	213.1219	238.5219	263.9219	289.3219
13/32	0.40625	10.3188	35.7188	61.1188	86.5188	111.9188	137.3188	162.7188	188.1188	213.5188	238.9188	264.3188	289.7188
27/64	0.42188	10.7156	36.1156	61.5156	86.9156	112.3156	137.7156	163.1156	188.5156	213.9156	239.3156	264.7156	290.1156
7/16	0.43750	11.1125	36.5125	61.9125	87.3125	112.7125	138.1125	163.5125	188.9125	214.3125	239.7125	265.1125	290.5125
29/64	0.45313	11.5094	36.9094	62.3094	87.7094	113.1094	138.5094	163.9094	189.3094	214.7094	240.1094	265.5094	290.9094
15/32	0.46875	11.9063	37.3063	62.7063	88.1063	113.5063	138.9063	164.3063	189.7063	215.1063	240.5063	265.9063	291.3063
31/64	0.48438	12.3031	37.7031	63.1031	88.5031	113.9031	139.3031	164.7031	190.1031	215.5031	240.9031	266.3031	291.7031
1/2	0.50000	12.7000	38.1000	63.5000	88.9000	114.3000	139.7000	165.1000	190.5000	215.9000	241.3000	266.7000	292.1000
33/64	0.51563	13.0969	38.4969	63.8969	89.2969	114.6969	140.0969	165.4969	190.8969	216.2969	241.6969	267.0969	292.4969
17/32	0.53125	13.4938	38.8938	64.2938	89.6938	115.0938	140.4938	165.8938	191.2938	216.6938	242.0938	267.4938	292.8938
35/64	0.54688	13.8906	39.2906	64.6906	90.0906	115.4906	140.8906	166.2906	191.6906	217.0906	242.4906	267.8906	293.2906
9/16	0.56250	14.2875	39.6875	65.0875	90.4875	115.8875	141.2875	166.6875	192.0875	217.4875	242.8875	268.2875	293.6875
37/64	0.57813	14.6844	40.0844	65.4844	90.8844	116.2844	141.6844	167.0844	192.4844	217.8844	243.2844	268.6844	294.0844
19/32	0.59375	15.0813	40.4813	65.8813	91.2813	116.6813	142.0813	167.4813	192.8813	218.2813	243.6813	269.0813	294.4813
39/64	0.60938	15.4781	40.8781	66.2781	91.6781	117.0781	142.4781	167.8781	193.2781	218.6781	244.0781	269.4781	294.8781
5/8	0.62500	15.8750	41.2750	66.6750	92.0750	117.4750	142.8750	168.2750	193.6750	219.0750	244.4750	269.8750	295.2750
41/64	0.64063	16.2719	41.6719	67.0719	92.4719	117.8719	143.2719	168.6719	194.0719	219.4719	244.8719	270.2719	295.6719
21/32	0.65625	16.6688	42.0688	67.4688	92.8688	118.2688	143.6688	169.0688	194.4688	219.8688	245.2688	270.6688	296.0688
43/64	0.67188	17.0656	42.4656	67.8656	93.2656	118.6656	144.0656	169.4656	194.8656	220.2656	245.6656	271.0656	296.4656
11/16	0.68750	17.4625	42.8625	68.2625	93.6625	119.0625	144.4625	169.8625	195.2625	220.6625	246.0625	271.4625	296.8625
45/64	0.70313	17.8594	43.2594	68.6594	94.0594	119.4594	144.8594	170.2594	195.6594	221.0594	246.4594	271.8594	297.2594
23/32	0.71875	18.2563	43.6563	69.0563	94.4563	119.8563	145.2563	170.6563	196.0563	221.4563	246.8563	272.2563	297.6563
47/64	0.73438	18.6531	44.0531	69.4531	94.8531	120.2531	145.6531	171.0531	196.4531	221.8531	247.2531	272.6531	298.0531
3/4	0.75000	19.0500	44.4500	69.8500	95.2500	120.6500	146.0500	171.4500	196.8500	222.2500	247.6500	273.0500	298.4500
49/64	0.76563	19.4469	44.8469	70.2469	95.6469	121.0469	146.4469	171.8469	197.2469	222.6469	248.0469	273.4469	298.8469
25/32	0.78125	19.8438	45.2438	70.6438	96.0438	121.4438	146.8438	172.2438	197.6438	223.0438	248.4438	273.8438	299.2438
51/64	0.79688	20.2406	45.6406	71.0406	96.4406	121.8406	147.2406	172.6406	198.0406	223.4406	248.8406	274.2406	299.6406
13/16	0.81250	20.6375	46.0375	71.4375	96.8375	122.2375	147.6375	173.0375	198.4375	223.8375	249.2375	274.6375	300.0375
53/64	0.82813	21.0344	46.4344	71.8344	97.2344	122.6344	148.0344	173.4344	198.8344	224.2344	249.6344	275.0344	300.4344
27/32	0.84375	21.4313	46.8313	72.2313	97.6313	123.0313	148.4313	173.8313	199.2313	224.6313	250.0313	275.4313	300.8313
55/64	0.85938	21.8281	47.2281	72.6281	98.0281	123.4281	148.8281	174.2281	199.6281	225.0281	250.4281	275.8281	301.2281
7/8	0.87500	22.2250	47.6250	73.0250	98.4250	123.8250	149.2250	174.6250	200.0250	225.4250	250.8250	276.2250	301.6250
57/64	0.89063	22.6219	48.0219	73.4219	98.8219	124.2219	149.6219	175.0219	200.4219	225.8219	251.2219	276.6219	302.0219
29/32	0.90625	23.0188	48.4188	73.8188	99.2188	124.6188	150.0188	175.4188	200.8188	226.2188	251.6188	277.0188	302.4188
59/64	0.92188	23.4156	48.8156	74.2156	99.6156	125.0156	150.4156	175.8156	201.2156	226.6156	252.0156	277.4156	302.8156
15/16	0.93750	23.8125	49.2125	74.6125	100.0125	125.4125	150.8125	176.2125	201.6125	227.0125	252.4125	277.8125	303.2125
61/64	0.95313	24.2094	49.6094	75.0094	100.4094	125.8094	151.2094	176.6094	202.0094	227.4094	252.8094	278.2094	303.6094
31/32	0.96875	24.6063	50.0063	75.4063	100.8063	126.2063	151.6063	177.0063	202.4063	227.8063	253.2063	278.6063	304.0063
63/64	0.98438	25.0031	50.4031	75.8031	101.2031	126.6031	152.0031	177.4031	202.8031	228.2031	253.6031	279.0031	304.4031
		12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"
in.	dec.in.	Millimeter(mm)											
	0	304.8000	330.2000	355.6000	381.0000	406.4000	431.8000	457.2000	482.6000	508.0000	533.4000	558.8000	584.2000
1/32	0.03125	305.5938	330.9938	356.3938	381.7938	407.1938	432.5938	457.9938	483.3938	508.7938	534.1938	559.5938	584.9938
1/16	0.06250	306.3875	331.7875	357.1875	382.5875	407.9875	433.3875	458.7875					

10099A	90	13145M	33	14145A	51	16305M	67	19760	89
100H	12	13145M(12P)	33	14145M	51	16316A	68	19770	89
100P	12	13145MG	33	14145PM	50	16316M	68	198	50
100P(PZ)	12	13146M	34	14146M	51	16317A	68	19977A	89
100S	12	13147M	34	14147M	51	16317M	68	2001A	99
100T(T)	12	13241M	39	14201M	50	16325	67	2001B	99
100T(TH)	13	13242M	39	14203M	60	16400A	64	2002A	99
100X	13	13300A	30	14204M	60	16400M	64	2002B	99
10400A	90	13300G	31	14204T	60	16401A	65	22300A	102
10400M	90	13300M	30	14204X	60	16401M	65	22300M	102
107-11	36, 55, 94, 96	13300XG	30	14207M	61	16405A	64	22400M	102
107-11(T)	36, 55, 94, 96	13301A	31	14208M	61	16405M	64	22425	102
107-11(XZN)	36, 55, 94, 96	13301M	31	14241M	61	16425	65	23300A	104
107-16	57, 70, 80	13301X	30	14242M	61	16425-EPL	65	23300M	104
107-16(T)	57, 70, 80	13305M	31	14245M	61	1658M	15	23305M	104
107-16(XZN)	57, 70, 80	13310M	31	14300A	44	165LM	15	23310M	104
107-22	71, 81	13322A	39	14300G	46	16644A	72	23325	104
107-22(T)	71, 81	13333AL	38	14300M	44	16655A	72	23400A	103
107-32	86	13344A	39	14301A	44	16666AL	72	23400M	103
108H	10	13365M	32	14301M	44	16688A	72	23405M	103
108P	10	13400A	26	14301X	43	16760	72	23410M	103
108S	10	13400AG	28	14305M	45	16770	72	23425	103
108T(T)	10	13400M	26	14306M	45	16771	72	23760	104
108T(TH)	10	13400MG	28	14310M	45	1700C	98	24300A	106
110	20	13400-WN	29	14325	46	1701A	99	24300M	106
112	20	13401A	27	14365M	46	1701B	99	24305M	106
113	17	13401LH	29	14400A	40	1702A	99	24310M	106
113(2B)	18	13401M	27	14400M	40	1702B	99	24400A	105
113(E)	17	13401MS	26	14400MG	42	17108	86	24400M	105
113UN	17	13405A	26	14400-WN	43	17108-32	86	24405M	105
115	18	13405M	26	14401A	41	17300A	85	24410M	105
115G	19	13406A	27	14401LH	42	17300M	85	24425	105
117	20	13406M	27	14401M	41	17400A	84	24760	106
118	19	13410M	28	14405A	40	17400M	84	AN14300	47
119	19	13425	28	14405M	40	17405A	85	ANBD007E	108
120	20	13425-EPL	29	14406A	41	17405M	85	AR14300	47
1200A	99	13430M	32	14406M	41	17760	87	BD004	110
1200B	99	13440A	32	14410M	42	17770	87	BD008E (12P)	108
12137E	16	13440M	32	14415M	43	17788A	87	BD011SE	108
12139	11, 24	13440T	32	14425	43	17799A	87	BD014E	108
12140	13, 24	13460A	29	14425-EPL	43	1801A	99	BD014SE	108
12142-F6.3	16, 24	13460AG	29	14433A	59	1801B	99	BD016E	109
121H	14	13460M	29	14440A	46	1801C	98	BD016JE	109
121P	14	13460MG	29	14440M	46	1802A	99	BD017E	109
121T(T)	14	13465M	28	14444AL	58	1802B	99	BD018	109
121T(TH)	14	135E	20	14455A	59	1802C	98	BD022-120P	110
12222AL	25	13760	38	14465M	42	180M	11	BD023E	110
12233A	25	13770	39	14466A	59	18101M	79	BD024E	110
12300G	24	13771	39	14760	58	18102M	79	BD14400MJ	109
12300M	24	13772	39	14770	59	18104M	78	HA001	110
12365M	24	1401A	99	14771	59	18106	80	HA003	110
123P	15	1401B	99	14772	59	18106-16	80	NV13105	94
123PT	15	1401C	98	149	98	18107	81	NV13145	93
12400A	22	14012M	54	1500A	99	18107-22	81	NV13400	93
12400AG	22	1402A	99	1500B	99	18300A	76	NV13760	93
12400M	22	1402B	99	152	98	18300M	76	NV14105	96
12400MG	22	1402C	98	15300M	62	18301A	77	NV14145	95
12410M	22	14025	54	15310M	62	18301M	77	NV14400	95
12425	23	14100A	49	15400M	62	18301X	76	NV14433A	95
12460A	23	14100M	49	15410M	62	18316A	77	NV14760	95
12460AG	23	14101M	52	15544A	63	18316M	77	NV16400	97
12460M	23	14101MP	53	15555AL	63	18317A	78	NV16760	97
12460MG	23	14101MP-M/8	53	15566A	63	18317M	78	PK1301C	98
12465M	23	14103M	49	15770	63	18400A	74	PK1302C	98
12760	25	14105	55	1600C	98	18400M	74	PK1401C	98
12770	25	14105-11	56	1601A	99	18401A	75	PK1402C	98
13012M	35	14105-11(T)	56	1601B	99	18401M	75	PK1600C	98
1301A	99	14105-11(XZN)	56	1602A	99	18405A	75	PK1801C	98
1301B	99	14105L	55	1602B	99	18405M	75	PW6	68
1301C	98	14105-L105	56	16101M	69	18405M(D)	75	PW8	78
13025	35	14105-L105(T)	56	16102M	69	186-75P	20	PW8L	78
1302A	99	14105-L105(XZN)	56	16106	70	18760	82	PW8P	77
1302B	99	14106	57	16106-16	70	18770	82	PW8P/4	77
1302C	98	14112	52	16107	71	18771	82	RS13012M/8	35
13103M	35	14113J	47	16107-22	71	18866A	83	RS13025/8	35
13105	37	14113M	47	16201A	73	18877A	83	RS13301X/9	30
13105-11	37	14118M	47	16201M	73	18888AL	82	RS13401M/9	27
13105-11(T)	37	14124	48	16245M	73	1901A	99	RS13401MS/5	26
13137E	16	14124/3	48	162E	110	1901B	99	RS14012M/10	54
13139	11, 38	14137E	16	16300A	66	1902A	99	RS14025/6	54
13140	13, 38	14139	11, 58	16300M	66	1902B	99	RS14124/7	48
13142-D6.3	11, 38	14140	13, 58	16301A	66	19300M	89	RS14301X/10	43
13142-F6.3	16, 38	14142-D6.3	11, 58	16301M	66	19400A	88	RS14401M/10	41
13145A	33	14142-F6.3	16, 58	16301X	67	19400M	88	RS14405M/11	40

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