

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

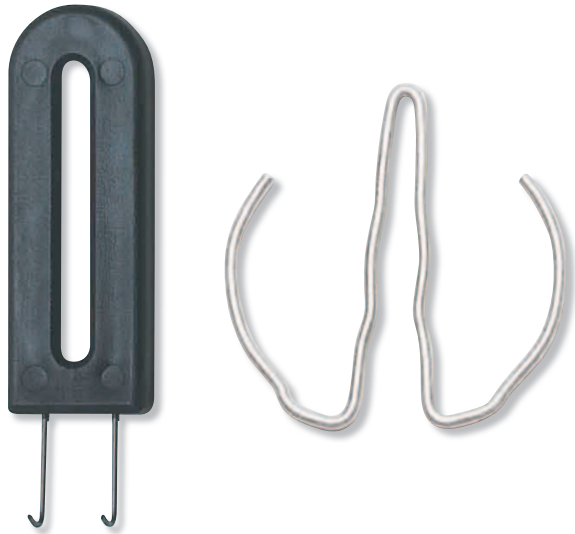


Web Site



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]

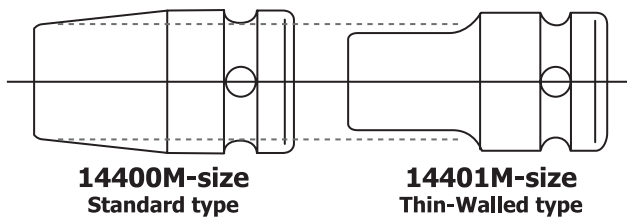
White letters on the black finish help to easily identify the Ko-ken name and socket size. The marking of Ko-ken and the size are permanently stamped onto the socket.

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

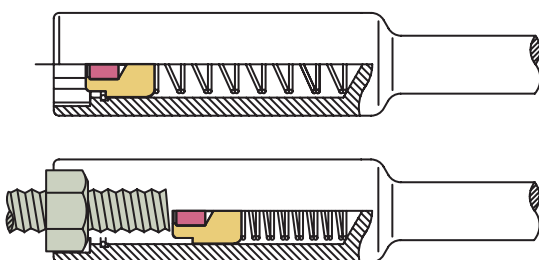


Deep



| | 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® / TORX^{plus}® & LHSTIX®**

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

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

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

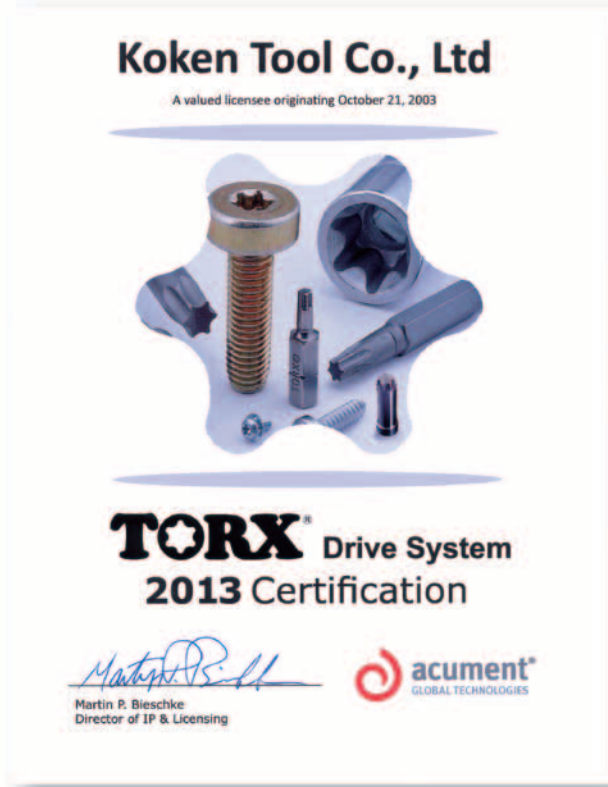
TORX® & TORX^{plus}®



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



Line Head Straight
LH-S series



LHSTIX® is a registered trademark of **OSG CORPORATION** System Engineering Department.
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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.

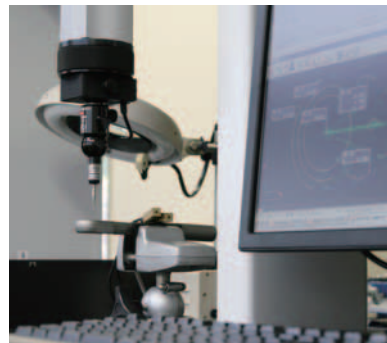
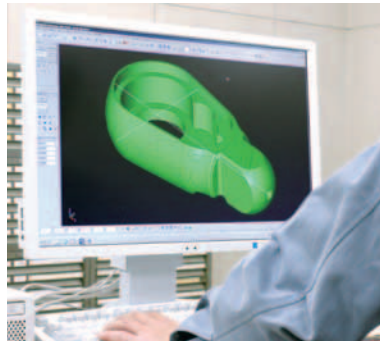
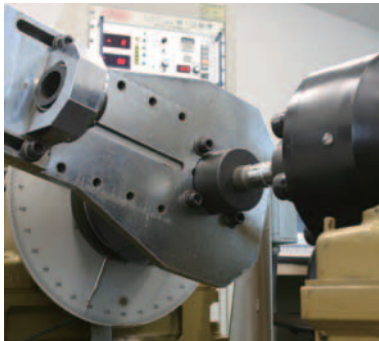
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Wir behalten uns das Recht vor, jedes in diesem Katalog gezeigte Werkzeug, auch ohne vorherige Ankündigung, in Ausführung und Design ändern zu dürfen.

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

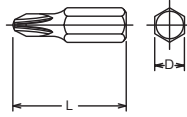


BITS, NUT SETTERS AND ADAPTORS
BITS, STECKSCHLÜSSEL KLINGEN UND VERBINDUNGSSTÜCK
EMBOUTS POUR ÉCROUS ET ADAPTATEURS



108P-25/-32/-50

 PH Bits
PH Bits
Embouts, PH



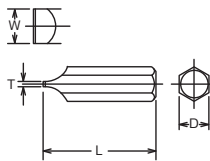
| 108P-25 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|--------------|--------|--------|-----|--------|
| 1 | 6.35 | 25 | 5 | 10 |
| 2 | 6.35 | 25 | 5 | 10 |
| 3 | 6.35 | 25 | 6 | 10 |

| 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

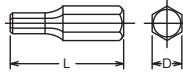


| 108S-25 | T×W (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---------|----------|--------|--------|-----|--------|
| 3 | 0.5×3 | 6.35 | 25 | 3 | 10 |
| 4 | 0.6×4 | 6.35 | 25 | 3 | 10 |
| 4.5 | 0.6×4.5 | 6.35 | 25 | 4 | 10 |
| 5 | 0.8×5 | 6.35 | 25 | 5 | 10 |
| 5.5 | 0.8×5.5 | 6.35 | 25 | 5 | 10 |
| 6 |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

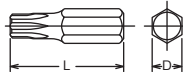


| 108H-25 (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|--------------|--------|--------|-----|--------|
| 3 | 6.35 | 25 | 4 | 10 |
| 4 | 6.35 | 25 | 5 | 10 |
| 5 | 6.35 | 25 | 5 | 10 |
| 6 | 6.35 | 25 | 6 | 10 |
| 7 | 6.35 | 25 | 7 | 10 |
| 8 | 6.35 | 25 | 8 | 10 |
| 10 | 6.35 | 25 | 11 | 10 |

| 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)

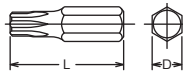
 TORX® Bits
TORX® Bits
Embouts, TORX®




| 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

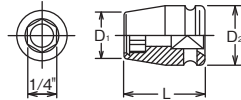
*3 C-Ring=1401C, Pin/O-Ring=1401A/B

→ P98-99

For DIN3126 C6.3 Bits

Für DIN3126 C6.3 Bits

Pour embouts DIN3126 C6.3



12139 ○ Impact Bit Holder
Impact Klingenthaler
Porte embout Impact



13139 ○ Impact Bit Holder
Impact Klingenthaler
Porte embout Impact



14139 ○ Impact Bit Holder
Impact Klingenthaler
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

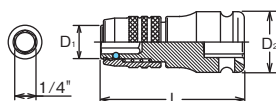
*2 C-Ring=1401C, Pin/O-Ring=1401A/B

→ P98-99

For DIN3126 C6.3 Bits

Für DIN3126 C6.3 Bits

Pour embouts DIN3126 C6.3



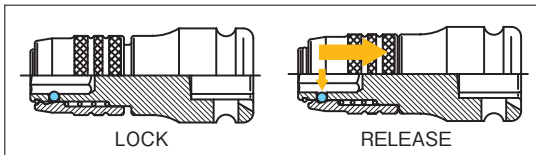
13142-D6.3 ○ Impact Bit Holder
Impact Klingenthaler
Porte embout Impact



14142-D6.3 ○ Impact Bit Holder
Impact Klingenthaler
Porte embout Impact



Lock & Quick Release



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

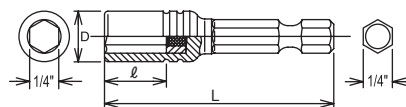
For DIN3126 C6.3 + E6.3 Bits

Für DIN3126 C6.3 + E6.3 Bits

Pour embouts DIN3126 C6.3 + E6.3

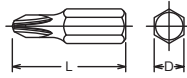


180M-50 ○ Bit Holder with Magnet
Klingenthaler mit Magnet
Porte-embouts avec aimant



100P-32/-80/-125

 PH Bits
PH Bits
Embouts, PH




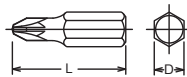
| 100P-32 (PH) | D (mm) | L (mm) | (g) | (pcs.) |
|--------------|--------|--------|-----|--------|
| 1 | 8 | 32 | 11 | 10 |
| 2 | 8 | 32 | 11 | 10 |
| 3 | 8 | 32 | 12 | 10 |
| 4 | 8 | 32 | 12 | 10 |

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

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

100P-32 (PZ)

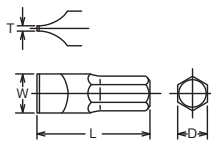
 PZ Bits
PZ Bits
Embouts, PZ



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

100S-32/-80

 Slotted Bits
Schlitz Bits
Embouts, fente

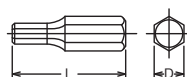


| 100S-32 | TxW (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|---------|----------|--------|--------|-----|--------|
| 6 | 1 x 6 | 8 | 32 | 10 | 10 |
| 7 | 1 x 7 | 8 | 32 | 11 | 10 |
| 8 | 1.2x 8 | 8 | 32 | 12 | 10 |
| 9 | 1.6x 9 | 8 | 32 | 12 | 10 |
| 10 | 1.6x10 | 8 | 32 | 13 | 10 |
| 11 | 1.6x11 | 8 |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

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

100H-32

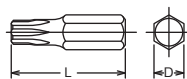
 Hex Bits
Sechskant Bits
Embouts, 6 pans creux



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

100T-32 (T)

 TORX® Bits
TORX® Bits
Embouts, TORX®



| 100T-32 (T) | D (mm) | L (mm) | (g) | (pcs.) |
|-------------|--------|--------|-----|--------|
| T10 | 8 | 32 | 9 | 10 |
| T15 | 8 | 32 | 9 | 10 |
| T20 | 8 | 32 | 9 | 10 |
| T25 | 8 | 32 | 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 |

5/16"

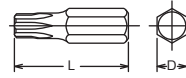
DIN3126 C8

| 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)

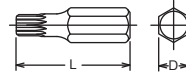
Tamper-Resistant TORX® Bits
Tamper-Resistant TORX® Bits
Embouts TORX®, Tamper-Resistant



| 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
Embouts, XZN

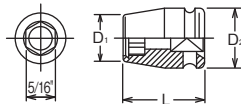


| | | D ₁ (mm) | D ₂ (mm) | L (mm) | (g) | (pcs.) | |
|-------|------|---------------------|---------------------|--------|-----|--------|----|
| 12140 | 1/4" | 14 | 13 | 26 | 15 | 10 | *1 |
| 13140 | 3/8" | 14 | 19 | 30 | 32 | 10 | *2 |
| 14140 | 1/2" | 14 | 25 | 38 | 62 | 10 | *3 |

*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



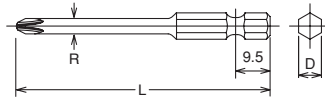
14140

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 |

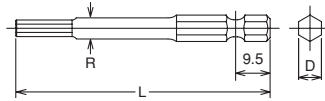
| 121P-70 (PH) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|--------------|--------|--------|--------|-----|--------|
| 1 | 6.35 | 4.5 | 70 | 15 | 10 |
| 2 | 6.35 | 5.5 | 70 | 15 | 10 |
| 3 | 6.35 | - | 70 | 16 | 10 |

| 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-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 |

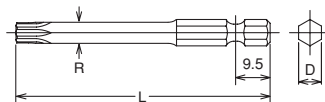
| 121H-70 (mm) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|--------------|--------|--------|--------|-----|--------|
| 3 | 6.35 | 4.0 | 70 | 15 | 10 |
| 4 | 6.35 | 4.5 | 70 | 15 | 10 |
| 5 | 6.35 | 5.6 | 70 | 16 | 10 |
| 6 | 6.35 | - | 70 | 18 | 10 |

| 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-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 |

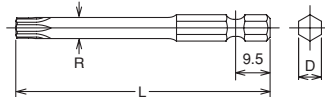
| 121T-70 (T) | D (mm) | R (mm) | L (mm) | (g) | (pcs.) |
|-------------|--------|--------|--------|-----|--------|
| T20 | 6.35 | 4.1 | 70 | 16 | 10 |
| T25 | 6.35 | 4.6 | 70 | 16 | 10 |
| T27 | 6.35 | 5.2 | 70 | 17 | 10 |
| T30 | 6.35 | 5.7 | 70 | 17 | 10 |
| T40 | 6.35 | - | 70 | 18 | 10 |


| 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/-100 (TH)

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

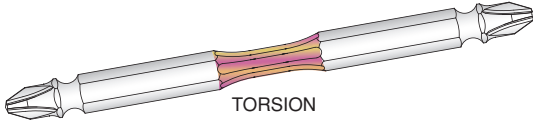


 Tamper Resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

| 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 |

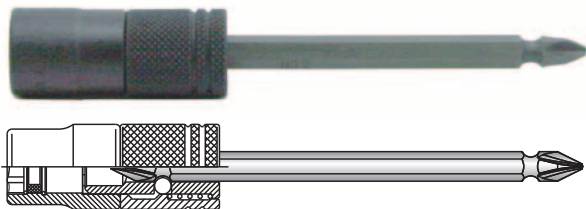


| 123P-75 | D (mm) | (g) | (pcs.) | (pcs.) |
|---------|--------|-----|--------|--------|
| 1 | 6.35 | 16 | 10 | 100 |
| 2 | 6.35 | 16 | 10 | 100 |
| 3 | 6.35 | 17 | 10 | 100 |

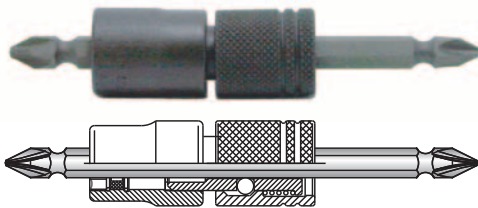
| 123P-100 | D (mm) | (g) | (pcs.) | (pcs.) |
|----------|--------|-----|--------|--------|
| 1 | 6.35 | 23 | 10 | 100 |
| 2 | 6.35 | 23 | 10 | 100 |
| 3 | 6.35 | 24 | 10 | 100 |

| 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

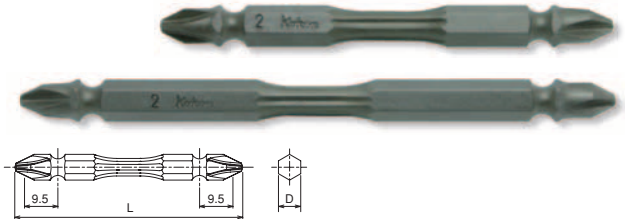


| 165BM-80 (mm) | D ₁ (mm) | D ₂ (mm) | L (mm) | ℓ ₁ (mm) | ℓ ₂ (mm) | (g) | (pcs.) |
|---------------|---------------------|---------------------|--------|---------------------|---------------------|-----|--------|
| 10x12 | 16 | 19.1 | 80 | 8 | 8 | 95 | 10 |
| 10x13 | 16 | 20.5 | 80 | 8 | 8 | 100 |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

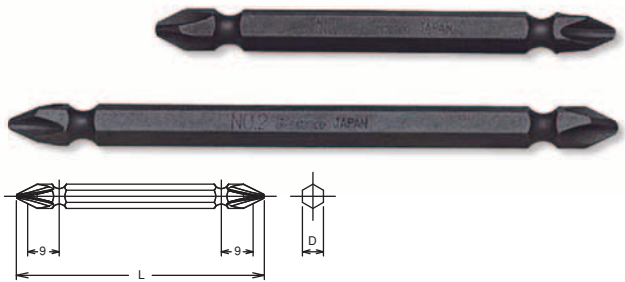
123PT-75/-100

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



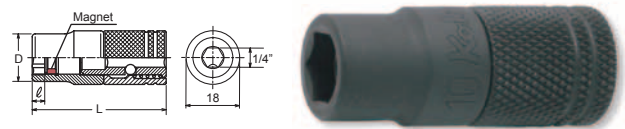
123P-75/-100

+ Double ended Bits, Phillips
Doppelseitige Bits, Phillips
Embouts 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

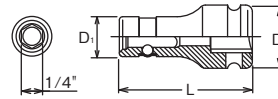
+ Double sided Socket with Magnets
Doppelseitiger Steckschlüssel mit Magnet
Douille à double fonctions avec aimant



DIN3126 E6.3 ◆ 1/4"

BITS, NUT SETTERS AND ADAPTORS

12137E ○ Impact Bit Holder Impact Klingenthaler 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 → P98-99

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

IMPACT SOCKETS

13137E ○ Impact Bit Holder Impact Klingenthaler Porte embout Impact

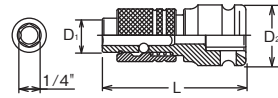


14137E ○ Impact Bit Holder Impact Klingenthaler Porte embout Impact



SLEEVE-DRIVE SOCKETS

12142-F6.3 ○ Impact Bit Holder (Quick Release) Impact Klingenthaler (Quick Release) Porte embout Impact (Quick Release)



| | □ | D ₁ (mm) | D ₂ (mm) | L (mm) | ⚖ (g) | 📦 (pcs.) | ⚡ |
|-----------------------|------|------------------------|------------------------|-----------|----------|-------------|----|
| New 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 → P98-99

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



INDUSTRIAL SOCKETS

13142-F6.3 ○ Impact Bit Holder (Quick Release) Impact Klingenthaler (Quick Release) Porte embout Impact (Quick Release)

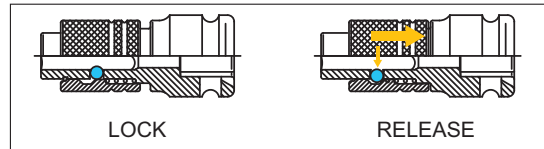


TOOLS FOR CONSTRUCTION SITES

14142-F6.3 ○ Impact Bit Holder (Quick Release) Impact Klingenthaler (Quick Release) Porte embout Impact (Quick Release)



Lock & Quick Release



Nut Setters

Steckschlüssel Klingen

Embouts pour écrous DIN3126 E6.3

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

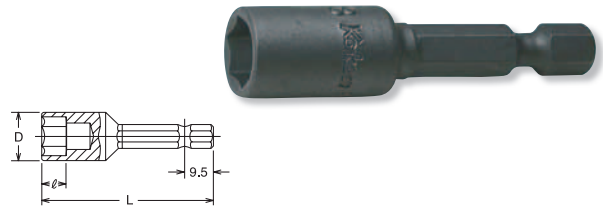
| 113 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|----------|--------|--------|--------|-----|--------|
| 5.5 | 9 | 4 | 50 | 15 | 10 |
| 6 | 10 | 5 | 50 | 17 | 10 |
| 7 | 11 | 5 | 50 | 19 | 10 |
| 8 | 12 | 6 | 50 | 20 | 10 |
| 10 | 14 | 7 | 50 | 31 | 10 |
| 12 | 17 | 8 | 50 | 39 | 10 |
| 13 | 18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



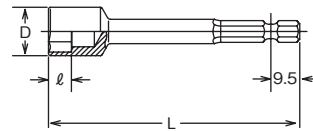
113 (E)

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 Embouts pour écrous

DIN3126 E6.3

BITS, NUT SETTERS AND ADAPTORS


IMPACT SOCKETS

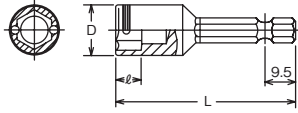
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

113-50 (2B)

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

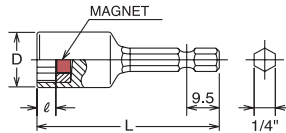


| 113-50 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|-------------|--------|--------|--------|-----|--------|
| 7(2B) | 11 | 5 | 50 | 20 | 10 |
| 8(2B) | 12 | 6 | 50 | 21 | 10 |
| 10(2B) | 14.2 | 7 | 50 | 26 | 10 |
| 13(2B) | 18 | 8 | 50 | 31 | 10 |

| 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

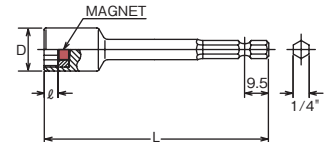


| 115 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|----------|--------|--------|--------|-----|--------|
| 5.5 | 9 | 2.1 | 50 | 15 | 10 |
| 6 | 10 | 2.4 | 50 | 17 | 10 |
| 7 | 11 | 2.8 | 50 | 19 | 10 |
| 8 | 12 | 3.5 | 50 | 20 | 10 |
| 10 | 14 | 4.2 | 50 | 29 | 10 |
| 12 | 17 | 5.6 | 50 | 40 | 10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

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

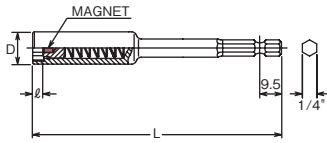
| 115-150 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|--------------|--------|--------|--------|-----|--------|
| 7 | 11.5 | 2.8 | 150 | 60 | 10 |
| 8 | 12.7 | 3.5 | 150 | 61 | 10 |
| 10 | 14.5 | 4.2 | 150 | 68 | 10 |
| 12 | 17 | 5.6 | 150 | 77 | 10 |
| 13 | 18 | 6 | 150 | 82 | 10 |
| 14 | 19 |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

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

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

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

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

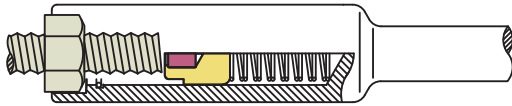


| 115G-75 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|--------------|--------|--------|--------|-----|--------|
| 7 | 11.5 | 3.5 | 75 | 34 | 10 |
| 8 | 12.7 | 4 | 75 | 41 | 10 |
| 10 | 14.5 | 4.5 | 75 | 48 | 10 |
| 12 | 17 | 6 | 75 | 65 | 10 |
| 13 | 18 | 6.5 | 75 | 70 | 10 |
| 14 | 19 | 7 | 75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

| 115G-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-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 |

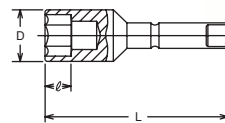
| 115G-200 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---------------|--------|--------|--------|-----|--------|
| 7 | 11.5 | 3.5 | 200 | 86 | 10 |
| 8 | 12.7 | 4 | 200 | 89 | 10 |
| 10 | 14.5 | 4.5 | 200 | 96 | 10 |
| 12 | 17 | 6 | 200 | 119 | 10 |
| 13 | 18 | 6.5 | 200 | 125 | 10 |
| 14 | 19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

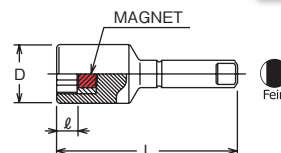
118  Nut Setters
Steckschlüssel Klingen
Embouts pour écrous



| 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 |

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



| 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 |

Adaptors with male Square
Verbindungssteile mit Aussenvierkant
Adaptateurs avec carré mâle

BITS, NUT SETTERS AND ADAPTORS

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

Adaptors
Verbindungsstücke
Adaptateurs



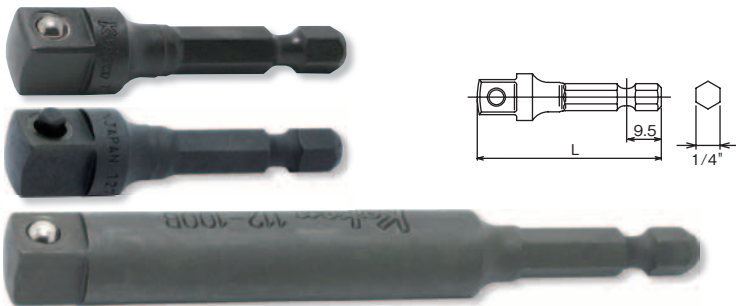
| 110 | | TYPE | L (mm) | (g) | (pcs.) |
|------|------|------|--------|-----|--------|
| 35B | 1/4" | Ball | 35 | 9 | 10 |
| 35P | | Pin | 35 | 9 | 10 |
| 50B | | Ball | 50 | 15 | 10 |
| 50P | | Pin | 50 | 15 | 10 |
| 100B | | Ball | 100 | 34 | 10 |
| 100P | | Pin | 100 | 34 | 10 |
| 150B | Ball | 150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

● DIN 3126 Form E 6.3

IMPACT SOCKETS

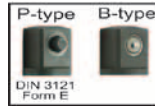
**112-50B/-100B/-150B
-50P/-100P/-150P**

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 |

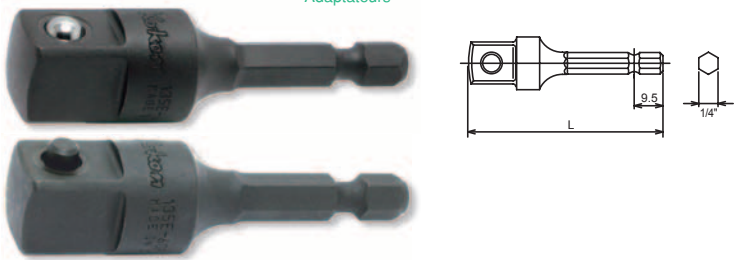
● DIN 3126 Form E 6.3



SLEEVE-DRIVE SOCKETS

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

INDUSTRIAL SOCKETS

**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

TOOLS FOR CONSTRUCTION SITES

120-50B/-50P

Adaptors
Verbindungsstücke
Adaptateurs

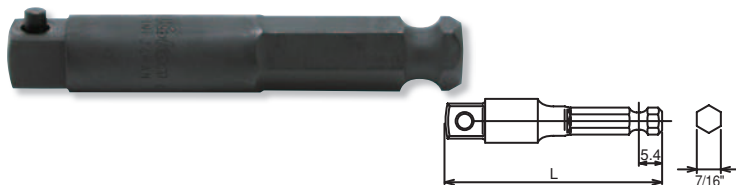


| 120 | | TYPE | L (mm) | (g) | (pcs.) |
|-----|------|------|--------|-----|--------|
| 50B | 3/8" | Ball | 50 | 27 | 10 |
| 50P | | Pin | 50 | 27 | 10 |

● 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"



Impact Sockets Impact Steckschlüssel Douilles Impact

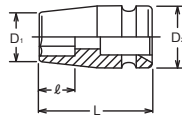
1/4"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

12400M / 12400A

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



| 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 |

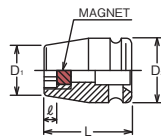
*1 Pin/O-Ring=1200A/B → P99

| 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 |

SLEEVE-DRIVE SOCKETS

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 |

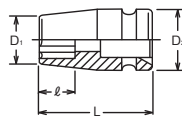
*1 Pin/O-Ring=1200A/B → P99

| 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 |

INDUSTRIAL SOCKETS

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

TOOLS FOR CONSTRUCTION SITES

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.

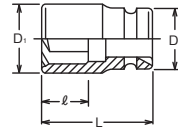
Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminium Schrauben und Schrauben bei denen die Ecken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

Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduire 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.

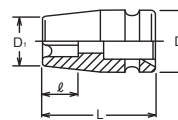
Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrschrauberschrauber) ganz besonders auswirkt.

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.

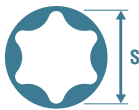
| 12425 (E) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-----------|---------------------|---------------------|--------|--------|-----|--------|----|
| E 4 | 6.6 | 13 | 4.6 | 23 | 14 | 10 | *1 |
| E 5 | 7.7 | 13 | 5.2 | 23 | 15 | 10 | *1 |
| E 6 | 8.7 | 13 | 5.4 | 23 | 15 | 10 | *1 |
| 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 |

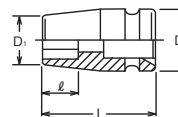
| 12460M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 5.5 | 9.7 | 13 | 4 | 23 | 15 | 10 | *1 |
| 6 | 10.3 | 13 | 5 | 23 | 15 | 10 | *1 |
| 7 | 11.6 | 13 | 5 | 23 | 16 | 10 | *1 |
| 8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



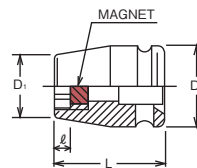
| 12460MG (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|--------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 5.5 | 9.7 | 13 | 2.1 | 23 | 16 | 10 | *1 |
| 6 | 10.3 | 13 | 2.4 | 23 | 16 | 10 | *1 |
| 7 | 11.6 | 13 | 2.8 | 23 | 16 | 10 | *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"

BITS, NUT SETTERS AND ADAPTORS

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

IMPACT SOCKETS

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



SLEEVE-DRIVE SOCKETS

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 |

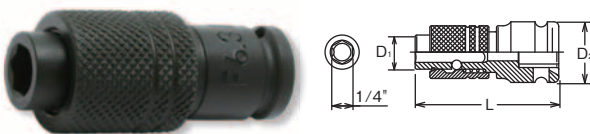
*1 Pin/O-Ring=1200A/B → P99


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



INDUSTRIAL SOCKETS

12142-F6.3 Impact Bit Holder Impact Klingenhalter Porte embout Impact



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

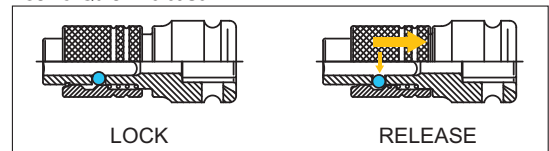
*1 Pin/O-Ring=1200A/B → P99

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



TOOLS FOR CONSTRUCTION SITES

Lock & Quick Release



1/4"

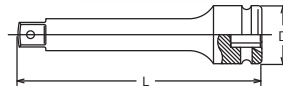
Impact Sockets
Impact Steckschlüssel
Douilles Impact

| 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

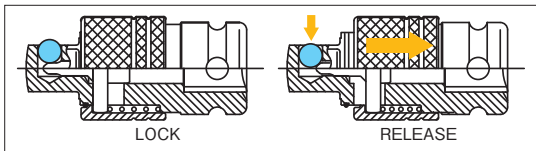
Extension Bars
Verlängerungen
Rallonges



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

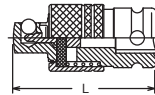
*1 Pin/O-Ring=1200A/B → P99

Lock & Quick Release



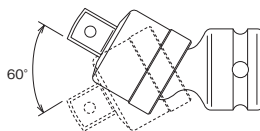
12222AL

Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück
Adaptateur autoserrant



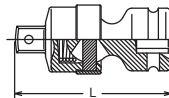
| 12770-P | L (mm) | (g) | (pcs.) | |
|---------|-----------|-----|--------|----|
| 12770-P | 39 | 30 | 10 | *1 |

*1 Pin/O-Ring=1200A/B → P99



12770-P

Universal Joint
Gelenk-Einsatz
Cardan universel

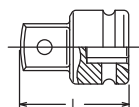


| 12233A-P | (sq.) | (sq.) | L (mm) | (g) | (pcs.) | |
|----------|-------|-------|-----------|-----|--------|----|
| 12233A-P | 1/4" | 3/8" | 22 | 15 | 10 | *1 |

*1 Pin/O-Ring=1200A/B → P99

12233A-P

Adaptor
Verbindungsstück
Augmenteur



Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

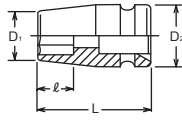
SLEEVE-DRIVE SOCKETS

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 |

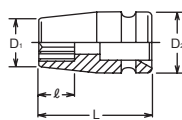
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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

13405M / 13405A

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



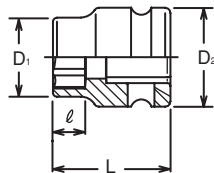
| 13405M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 8 | 13.3 | 19 | 6 | 32 | 40 | 10 | *1 |
| 9 | 14.5 | 19 | 7 | 32 | 40 | 10 | *1 |
| 10 | 15.8 | 19 | 7 | 32 | 40 | 10 | *1 |
| 12 | 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 → P98-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13401MS

6-point short sockets, Thin Walled
6-kant Steckschlüssel kurz, dünnwandig
Douilles 6-pans 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 → P98-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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

| 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 |

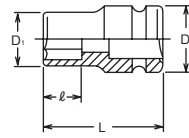
*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ 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 |

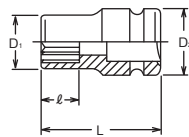
*1 C-Ring=1301C, Pin/O-Ring=1301A/B
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

→ P98-99

13406M 13406A



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



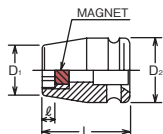
| 13406A (inch) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|------------------|------------------------|------------------------|-----------|-----------|-----|--------|----|
| 1/4 | 9.8 | 18.5 | 5 | 32 | 28 | 10 | *1 |
| 5/16 | 12.3 | 18.5 | 6 | 32 | 31 | 10 | *1 |
| 3/8 | 14.8 | 18.5 | 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 |

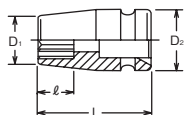
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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

13410M

 Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

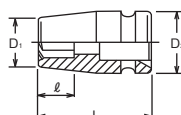


| 13410M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 6 | 10.8 | 19 | 5 | 32 | 40 | 10 | *1 |
| 7 | 12 | 19 | 5 | 32 | 40 | 10 | *1 |
| 8 | 13.3 | 19 | 6 | 32 | 40 | 10 | *1 |
| 9 | 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 → P98-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

13465M

 Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder



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

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

PATHFINDER®

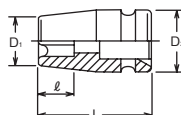
The beveled flats of the 6-points opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for use with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

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.

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 |

| 13460A (inch) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|---------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 1/4 | 11.4 | 19 | 5 | 32 | 43 | 10 | *1 |
| 3/8 | 16.6 | 19 | 7 | 32 | 45 | 10 | *1 |
| 1/2 | 20.3 | 22 | 10 | 32 | 60 | 10 | *2 |

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

| 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 |

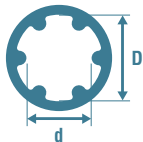
| 13460AG (inch) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|----------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 1/4 | 11.4 | 19 | 2.4 | 32 | 44 | 10 | *1 |
| 5/16 | 14.1 | 19 | 3.5 | 32 | 48 | 10 | *1 |
| 3/8 | 16.6 | 19 | 4.2 | 33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

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

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

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 |

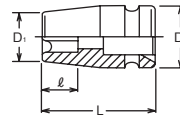
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

TORXplus is a registered trademark of Acument Intellectual Properties, LLC.
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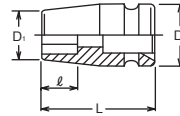
13425-EPL

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



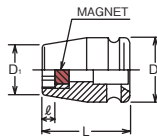
13460M / 13460A

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



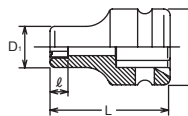
13460MG 13460AG

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



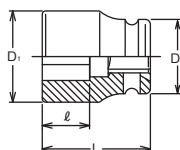
13401LH

LHS Sockets
Steckschlüssel mit LHS Profil
Douilles au profil LHS



13400-WN

Weld Nut Sockets



Impact Sockets

Impact Steckschlüssel

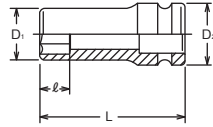
Douilles Impact

3/8"

BITS, NUT SETTERS AND ADAPTORS

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 → Pg8-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

IMPACT SOCKETS

RS13301X/9

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

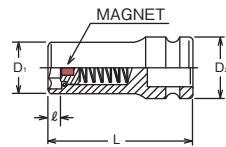


| RS13301X/9 | 9 Pieces Set/Rail 250mm | (g) |
|-----------------------------------|-------------------------|-----|
| 8, 10, 12, 13, 14, 17, 19, 21, 22 | | 710 |

SLEEVE-DRIVE SOCKETS

13300XG

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



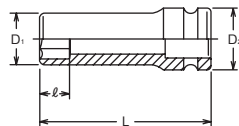
| 13300XG (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|--------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 8 | 13.3 | 19 | 4 | 50 | 40 | 10 | *1 |
| 10 | 15.8 | 19 | 4.5 | 50 | 46 | 10 | *1 |
| 12 | 18.3 | 19 | 6 | 50 | 55 | 10 | *1 |
| 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 → Pg8-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

INDUSTRIAL SOCKETS

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 → Pg8-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

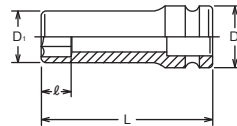
TOOLS FOR CONSTRUCTION SITES

3/8"

Impact Sockets Impact Steckschlüssel Douilles Impact

| 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 |

13301M 6-point Deep Socket, Thin Walled
13301A 6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans



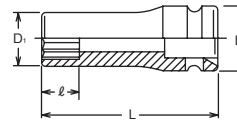
| 13301A (inch) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|------------------|------------------------|------------------------|-----------|-----------|-----|--------|----|
| 1/4 | 10 | 18.5 | 6 | 80 | 65 | 10 | *1 |
| 5/16 | 12.3 | 18.5 | 8 | 80 | 68 | 10 | *1 |
| 3/8 | 14.8 | 18.5 | 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 → P98-99
*2 C-Ring=1302C, Pin/O-Ring=1302A/B

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

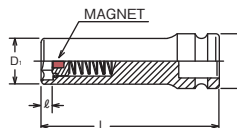
13305M 12-point Sockets, deep
12-kant Steckschlüssel, lang
Douilles longues, 12-pans



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

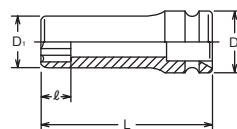
13300G Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissante pour écrous



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

13310M Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

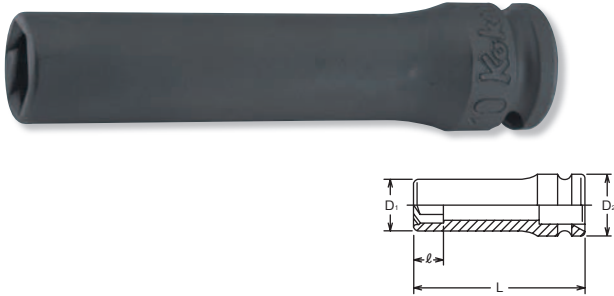





Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

BITS, NUT SETTERS AND ADAPTORS

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

IMPACT SOCKETS

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

SLEEVE-DRIVE SOCKETS

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

INDUSTRIAL SOCKETS

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

TOOLS FOR CONSTRUCTION SITES

| 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 |

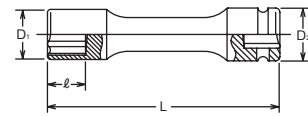
| 13145MG-150 (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | |
|------------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 10 | 15.8 | 19 | 4.2 | 150 | 125 | 1 | *1 |
| 12 | 18.3 | 19 | 5.6 | 150 | 136 | 1 | *1 |
| 13 | 19.5 | 19 | 6 | 150 |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

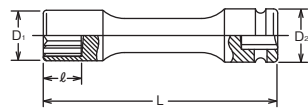
Extra Long Sockets
Schافتsteckschlüssel
Douilles, série allongée



| 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



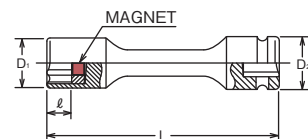
13145A-150

Extra Long Socket
Schافتsteckschlüssel
Douille, série allongée



13145MG-100/-150/-200

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



Impact Sockets
Impact Steckschlüssel
Douilles Impact

3/8"

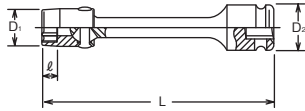
BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

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 |

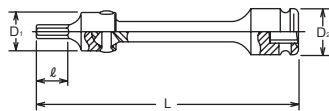
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

SLEEVE-DRIVE SOCKETS

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

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES



| 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.

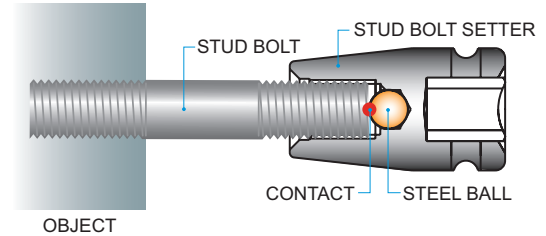
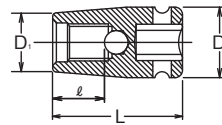
Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf den Stahlbolzen, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

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

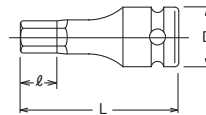


| 13012M-52 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|-------------------|-----------|-----------|-----------|-----|--------|----|
| 4 | 18 | 15.5 | 52 | 35 | 10 | *1 |
| 5 | 18 | 15.5 | 52 | 35 | 10 | *1 |
| 6 | 18 | 15.5 | 52 | 39 | 10 | *1 |
| 7 | 18 | 15.5 | 52 | 44 | 10 | *1 |
| 8 | 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 → P98-99

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

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

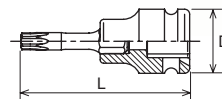


| 13025-50 (T) | D (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|-----------------|-----------|-----------|-----|--------|----|
| T20 | 19 | 50 | 35 | 10 | *1 |
| T25 | 19 | 50 | 35 | 10 | *1 |
| T27 | 19 | 50 | 38 | 10 | *1 |
| T30 | 19 | 50 | 38 | 10 | *1 |
| T40 | 19 | 50 | 45 | 10 | *1 |
| T45 | 19 | 50 |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

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

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

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

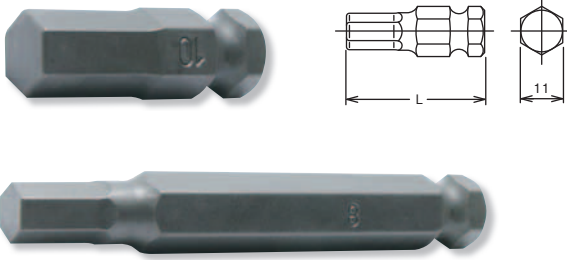
3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

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 |

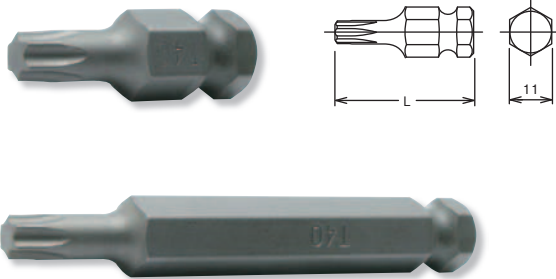
| 107-11 (mm) | L (mm) | (g) | (pcs.) |
|-------------|--------|-----|--------|
| 3 | 35 | 15 | 10 |
| 4 | 35 | 16 | 10 |
| 5 | 35 | 16 | 10 |
| 6 | 35 | 18 | 10 |
| 7 | 35 | 19 | 10 |
| 8 | 35 | 20 | 10 |
| 10 | 35 | 26 | 10 |
| 11 | 35 | 28 | 10 |
| 12 | 35 | 31 | 10 |
| 14 | 35 | 38 | 10 |
| 16 |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

SLEEVE-DRIVE SOCKETS

107-11 (T)

 TORX® Bits
TORX® Klingen
Embouts, TORX®



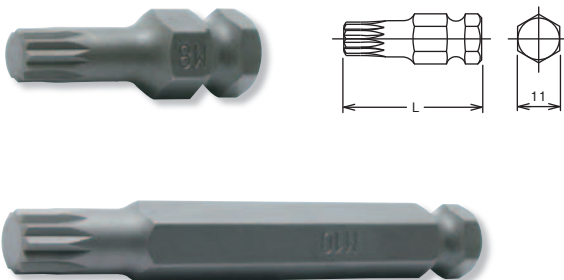
| 107-11 (T) | L (mm) | (g) | (pcs.) |
|------------|--------|-----|--------|
| T25 | 35 | 18 | 10 |
| T30 | 35 | 18 | 10 |
| T40 | 35 | 20 | 10 |
| T45 | 35 | 22 | 10 |
| T50 | 35 | 26 | 10 |
| T55 | 35 | 31 | 10 |
| T60 | 35 | 38 | 10 |

| 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 |

INDUSTRIAL SOCKETS

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 |

TOOLS FOR CONSTRUCTION SITES

3/8"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

| 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 |

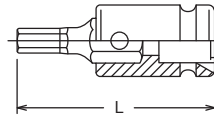
| 13105-11 (inch) | L (mm) | (g) | (pcs.) | ⚡ |
|--------------------|-----------|-----|--------|----|
| 1/4 | 54 | 89 | 10 | *1 |
| 5/16 | 54 | 92 | 10 | *1 |
| 3/8 | 54 | 96 | 10 | *1 |
| 1/2 | 54 | 108 | 10 | *1 |
| 3/4 | 54 | 128 | 10 | *1 |

*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



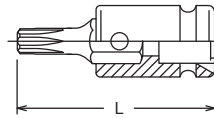
| 13105-11 (T) | L (mm) | (g) | (pcs.) | ⚡ |
|-----------------|-----------|-----|--------|----|
| T30 | 54 | 87 | 10 | *1 |
| T40 | 54 | 87 | 10 | *1 |
| T45 | 54 | 87 | 10 | *1 |
| T50 | 54 | 92 | 10 | *1 |
| T55 | 54 | 96 | 10 | *1 |
| T60 | 54 | 101 | 10 | *1 |

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

13105-11 (T)



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



| 13105 | D ₁ (mm) | D ₂ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|-------|------------------------|------------------------|-----------|-----|--------|----|
| 13105 | 22 | 22 | 32 | 70 | 10 | *1 |

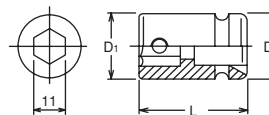
*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99

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

13105



Bit Holder
Klingenhalter
Porte embout



Impact Sockets Impact Steckschlüssel Douilles Impact

3/8"

BITS, NUT SETTERS AND ADAPTORS

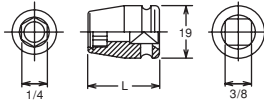
IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

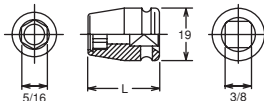
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

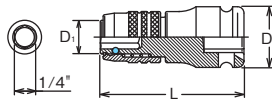
13139 Bit Holder Klingenhalter Porte-embout



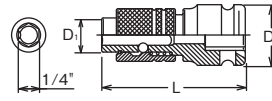
13140 Bit Holder Klingenhalter Porte-embout



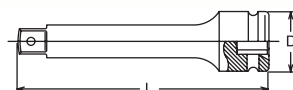
13142-D6.3 Impact Bit Holder (Quick Release) Impact Klingenhalter (Schnellwechselfutter) Porte embout Impact (mandrin autoserrant)



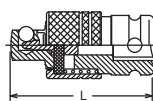
13142-F6.3 Impact Bit Holder (Quick Release) Impact Klingenhalter (Schnellwechselfutter) Porte embout Impact (mandrin autoserrant)






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



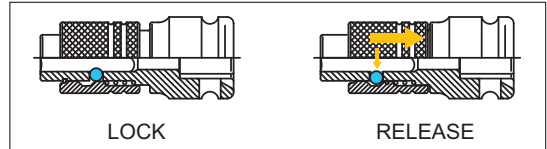
| | D ₁ (mm) | D ₂ (mm) | L (mm) |  (g) |  (pcs.) |  |
|-------------------|------------------------|------------------------|-----------|--|---|---|
| 13142-F6.3 | 16.5 | 19 | 45 | 60 | 10 | *1 |




*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



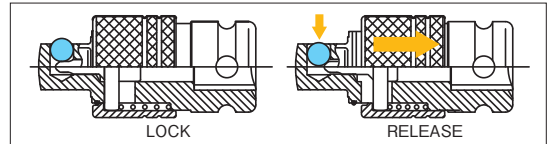
| 13760 (mm) | D (mm) | L (mm) |  (g) |  (pcs.) |  |
|---------------|-----------|-----------|--|---|---|
| 75P | 22 | 75 | 95 | 10 | *1 |
| 125P | 22 | 125 | 141 | 10 | *1 |
| 250P | 22 | 250 | 210 | 10 | *1 |

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

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

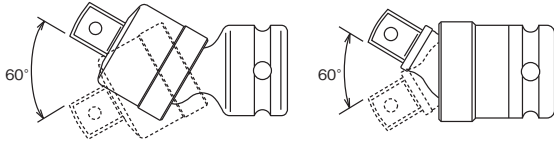
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

Lock & Quick Release



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

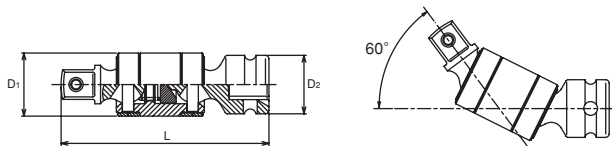
*1 C-Ring=1302C, Pin/O-Ring=1302A/B → P98-99



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.



| | 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.

13322A-P Adaptor Verbindungsstück Réducteur



13344A-P Adaptor Verbindungsstück Augmentateur



| | (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

13241M Socket Set Steckschlüssel Satz Jeu de clés à douille



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

13242M Socket Set Steckschlüssel Satz Jeu de clés à douille



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

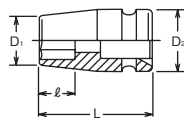
SLEEVE-DRIVE SOCKETS




INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES




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 |

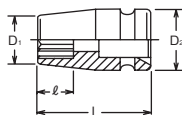
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → Pgs.99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B




| 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 → Pgs.99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B




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 → Pgs.99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

| 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 → Pgs.99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

RS14405M/11

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



| 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

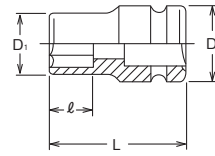


6-point Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans



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



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

RS14401M/10



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



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



14406M 14406A

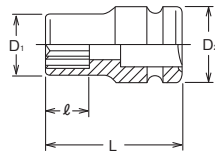


12-point Sockets, Thin Walled
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 12-pans



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



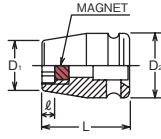
| 14406A (inch) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|---------------|---------------------|---------------------|--------|--------|-----|--------|----|
| New 1/4 | 10.5 | 24 | 5 | 38 | 55 | 10 | *1 |
| 5/16 | 13 | 24 | 6 | 38 | 57 | 10 | *1 |
| 3/8 | 15.5 | 24 | 7 | 38 | 60 | 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 → P98-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

Impact Sockets Impact Steckschlüssel 1/2" Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

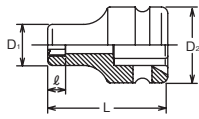
14400MG 6-point Sockets with Magnet 6-kant Steckschlüssel mit Magnet Douilles 6-pans avec aimant






| 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 → Pg8-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14401LH LHS Sockets Steckschlüssel mit LHS Profil Douilles au profil LHS

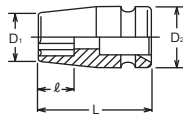





| 14401LH (LH-S) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) |  (g) |  (pcs.) |  |
|----------------|---------------------|---------------------|--------|--------|---|--|---|
| 6S | 13 | 25 | 5.6 | 38 | 65 | 10 | *1 |
| 8S | 16.7 | 25 | 6.8 | 38 | 69 | 10 | *1 |
| 10S | 19.2 | 25 | 8 | 38 | 75 | 10 | *1 |
| 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 → Pg8-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

IMPACT SOCKETS

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 → Pg8-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

SLEEVE-DRIVE SOCKETS

SURFACE DRIVE

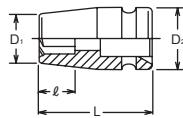
Surface drive sockets are designed to retain contact with flat sides of nut to transmit high torque and reduce nut wear. These sockets are ideal for use on polished nuts, aluminum nuts and nuts with worn out points.




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.

INDUSTRIAL SOCKETS

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 → Pg8-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

TOOLS FOR CONSTRUCTION SITES

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.

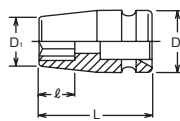
Les parois en biais du 6-pans des douilles Pathfinder assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage procure un gain de productivité particulièrement appréciable dans les chaînes de montage automatiques.

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LHSTIC® ist ein registriertes Markenzeichen der Firma OSG CORPORATION System Engineering Department.
LHSTIC® est une marque déposée de OSG CORPORATION System Engineering Department.

| 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

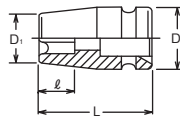
14415M Double 4-point Socket Doppelvierkant Steckschlüssel Douilles 4-pans, doubles



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

14425 TORX® Sockets TORX® Steckschlüssel Douilles TORX®

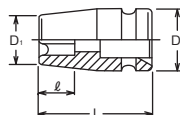


| 14425-EPL (EPL) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-----------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 10EPL | 14.5 | 25 | 6.2 | 38 | 86 | 10 | *1 |
| 12EPL | 17 | 25 | 7.2 | 38 | 86 | 10 | *1 |
| 14EPL | 18.2 | 25 | 8.1 | 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
*2 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

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

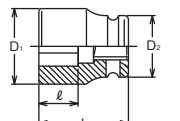
TORX *fabrics*



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

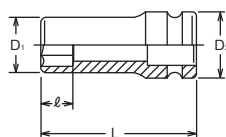
14400-WN Weld Nut Sockets



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

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



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

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



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TORXplus est une marque déposée de Acument Intellectual Properties, LLC.

Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

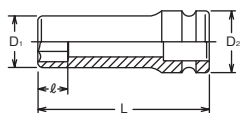
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

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 |

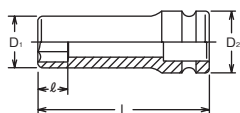
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

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

14301M / 14301A

6-point Deep Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à pari 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 → P98-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

| 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 |

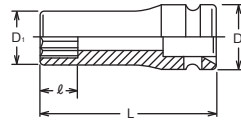
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

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

14305M

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

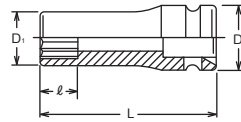


| 14306M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|----------------|------------------------|------------------------|-----------|-----------|-----|--------|----|
| 10 | 15.5 | 24 | 10 | 80 | 98 | 10 | *1 |
| 12 | 18 | 24 | 12 | 80 | 111 | 10 | *1 |
| 13 | 19.2 | 24 | 13 | 80 | 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 → P98-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14306M

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

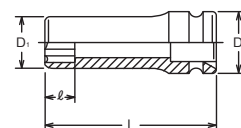


| 14310M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|----------------|------------------------|------------------------|-----------|-----------|-----|--------|----|
| 10 | 17 | 25 | 10 | 80 | 136 | 10 | *1 |
| 11 | 18.2 | 25 | 11 | 80 | 148 | 10 | *1 |
| 12 | 19.5 | 25 | 12 | 80 | 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 → P98-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

14310M

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

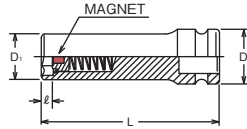


Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

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

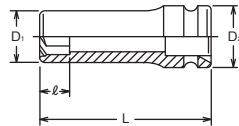


| 14300G (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 10 | 17 | 25 | 4.5 | 80 | 139 | 10 | *1 |
| 12 | 19.5 | 25 | 6 | 80 | 165 | 10 | *1 |
| 13 | 20.7 | 25 | 6.5 | 80 | 185 | 10 | *1 |
| 14 | 22 | 25 | 7 | 80 | 189 | 10 | *1 |
| New 16 | 24.5 | 30 | 7.5 | 80 | 270 | 10 | *2 |
| 17 | 25.7 | 30 | 8 | 80 | 272 | 10 | *2 |
| New 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 → P98-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

IMPACT SOCKETS

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

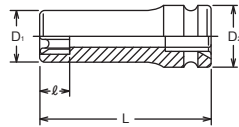


| 14365M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 10 | 17 | 25 | 8 | 80 | 138 | 10 | *1 |
| 11 | 18.2 | 25 | 8 | 80 | 144 | 10 | *1 |
| 12 | 19.5 | 25 | 9 | 80 | 165 | 10 | *1 |
| 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 → P98-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

SLEEVE-DRIVE SOCKETS

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

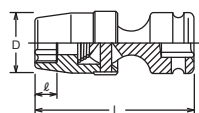


| 14325 (E) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-----------|---------------------|---------------------|--------|--------|-----|--------|----|
| E10 | 14.2 | 25 | 8.2 | 80 | 136 | 10 | *1 |
| E12 | 15.2 | 25 | 9.3 | 80 | 141 | 10 | *1 |
| E14 | 18.2 | 25 | 10.6 | 80 | 147 | 10 | *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 → P98-99
*2 C-Ring=1402C, Pin/O-Ring=1402A/B

INDUSTRIAL SOCKETS

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

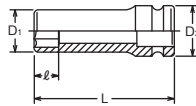
TOOLS FOR CONSTRUCTION SITES

| 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



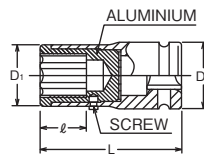
| AR14300 (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|-----------------|------------------------|------------------------|-----------|-----------|-----|--------|----|
| 17 | 28 | 30 | 21 | 65 | 220 | 10 | *1 |
| 19 | 30 | 30 | 24 | 65 | 223 | 10 | *1 |
| 21 | 33 | 30 | 25 | 65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

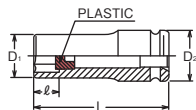


| 14113J (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|----------------|------------------------|------------------------|-----------|-----------|-----|--------|----|
| 17 | 25.7 | 30 | 14 | 80 | 251 | 10 | *1 |
| 19 | 28.2 | 30 | 16 | 80 | 286 | 10 | *1 |
| 21 | 30.7 | 30 | 20 |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

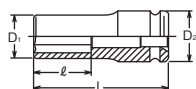


| 14113M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|----------------|------------------------|------------------------|-----------|-----------|-----|--------|----|
| 17 | 25.7 | 30 | 34 | 80 | 230 | 10 | *1 |
| 19 | 28.2 | 30 | 38 | 80 | 262 | 10 | *1 |
| 21 | 30.7 | 30 | 42 |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

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

14113M

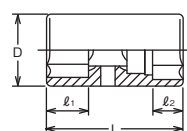
For Hub Cap Screws
Für Zier-Radmuttern
Pour écrous de roue décoratifs



| 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

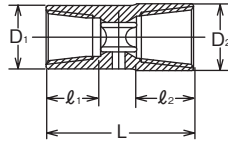
SLEEVE-DRIVE SOCKETS

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.

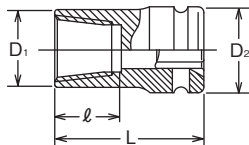


| 14124/3 | | 3 Pieces Set/△=580g | |
|------------------------------|---------|---------------------|-----------|
| CARDBOARD BOX:W125×H91×T43mm | | | |
| Sockets | | Accessory | |
| ○ 14124 | 21×24.5 | | 14760-75B |
| | 26×27.5 | | |



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.) | Ⓢ |
|------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 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 |

1/2"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

14100M / 14100A

Impact Screw and Stud Pullers
Impact Stehbolzendreher
Extracteurs de goujons Impact

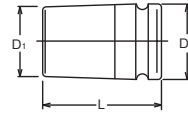
PATENTED

| 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

→ P98-99



Tolerance

| 14100M (mm) | | 14100A (inch) | |
|-------------|---------|---------------|-----------|
| 6 | 5.6- 6 | 1/4 | 6 - 6.4 |
| 7 | 6.6- 7 | 5/16 | 7.6- 8 |
| 8 | 7.6- 8 | 3/8 | 9 - 9.6 |
| 9 | 8.4- 9 | 7/16 | 10.5-11.1 |
| 10 | 9.4-10 | 1/2 | 12.1-12.7 |
| 12 | 11.4-12 | | |



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 |

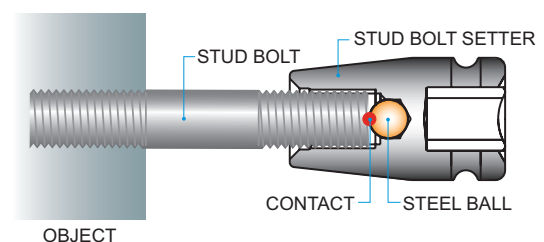
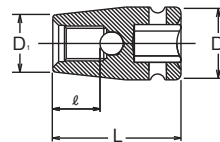
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

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 for 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"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

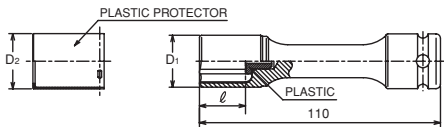
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

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



| | | |
|--------------------------------------|--------------|------|
| 14201M | 3 Pieces Set | 690g |
| CARDBOARD BOX:W125xH95xT34mm | | |
| Sockets | | |
| 14145PM.110 Impact Wheel Nut Sockets | | |
| 17, 19, 21 | | |



EXTRA THIN WALL EXTRA DÜNNWANDIG PAROIS EXTRA MINCES

Special design for wheel nut work.
-110mm length gives socket extra reach for nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts where access to nut is very tight.
-Blue(17mm), Red(19mm), Yellow(21mm) and White(22mm) colour coded shafts make size identification easy.
-Plastic insert helps prevent damaged to wheel nut.

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

Douilles spécialement conçues pour les écrous de 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.



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 Werkzeugenschaft 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

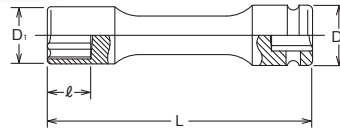
| 14147M-150 (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | Ⓢ |
|-----------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 6 | 25 | 25 | 15 | 150 | 200 | 1 | *1 |
| 8 | 25 | 25 | 15 | 150 | 205 | 1 | *1 |
| 10 | 25 | 25 | 15 | 150 | 210 | 1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

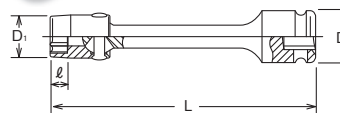
14145A-150

Extra Long Sockets
Schافتsteckschlüssel
Douilles, série allongée



14146M-150/-200/-250

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

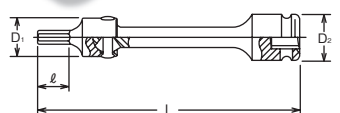


| 14146M-250 (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | Ⓢ |
|-----------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 10 | 16 | 25 | 6.5 | 250 | 285 | 1 | *1 |
| 12 | 19.3 | 25 | 7.5 | 250 | 288 | 1 | *1 |
| 13 | 20 | 25 | 8 | 250 | 289 | 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
Schافتsteckschlüssel mit Aussensechskant Gelenk
Douilles, articulées, à 6-pans mâle, série allongée



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

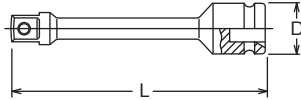
IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

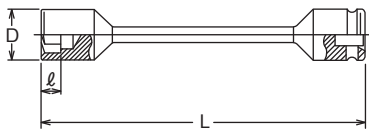
14112-P Torsion Extension Bars (for tightening only) Torsionsstab-Verlängerungen (nur zum Anziehen) Barres de torsion (pour serrage seulement)



| 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:

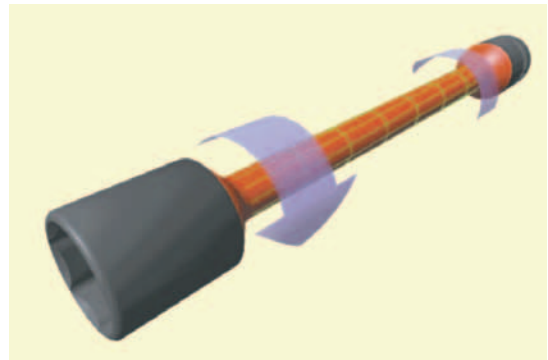
1. Use with a 1/2" Sq. Dr. Pneumatic impact wrench.
2. Set air pressure 0.6MPa, and set impact wrench dial Medium range.
3. Chose a suitable Torsion bar according to wheel nut size and indicated tightening torque.
4. Attach the torsion bar to impact wrench and apply load.
5. Check the actual tightening 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 0.6HPa et ensuite la position moyenne de la visseuse.
3. Prenez une barre de torsion correspondant à l'ouverture du 6-pans de la vis ainsi qu'au couple nécessaire.
4. 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.

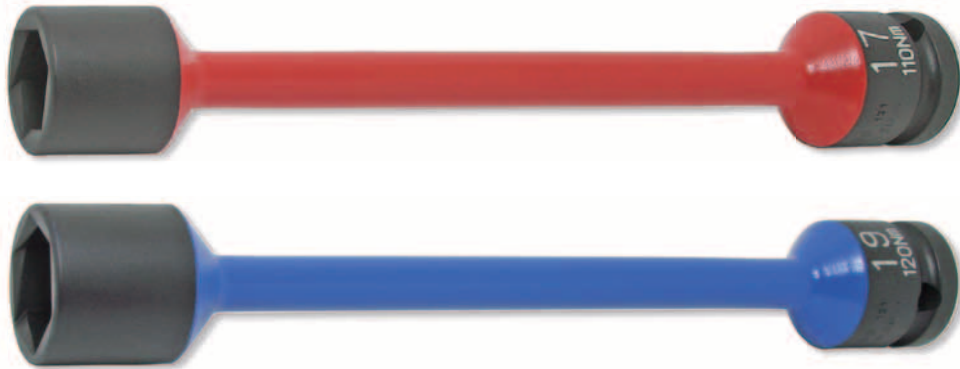
Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/Torsionsstab mittels eines Drehmomentschlüssels.

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.

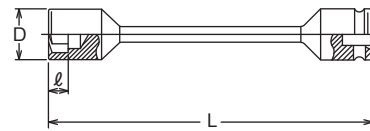
14101MP



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

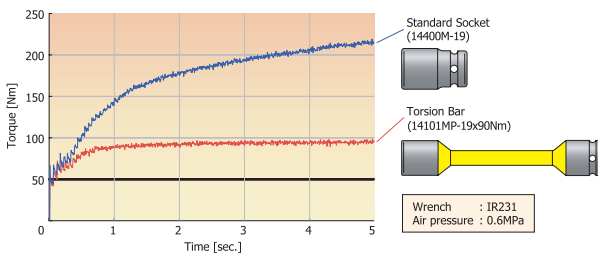
- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Color coded shafts make size identification easy.

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'écroue d'un serrage à couple excessif.
- La colorisation des barres facilite l'identification des tailles.



14101MP-M/8



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



Impact Sockets
Impact Steckschlüssel
Douilles Impact

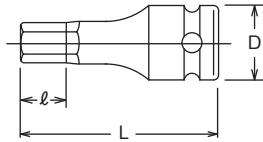
1/2"

BITS, NUT SETTERS AND ADAPTORS

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

IMPACT SOCKETS

RS14012M/10-L60



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



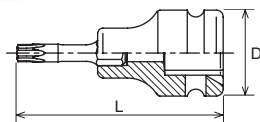
| RS14012M/10-L60 | 10 Pieces Set/Rail 300mm | (g) |
|-----------------------------------|--------------------------|-------|
| 4, 5, 6, 7, 8, 10, 12, 14, 17, 19 | | 1,300 |

SLEEVE-DRIVE SOCKETS

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

INDUSTRIAL SOCKETS

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 |

TOOLS FOR CONSTRUCTION SITES

| | 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 |

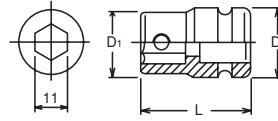
| 107-11 (T) | L (mm) | (g) | (pcs.) |
|---------------|-----------|-----|--------|
| T25 | 35 | 18 | 10 |
| T30 | 35 | 18 | 10 |
| T40 | 35 | 20 | 10 |
| T45 | 35 | 22 | 10 |
| T50 | 35 | 26 | 10 |
| T55 | 35 | 31 | 10 |
| T60 | 35 | 38 | 10 |

| 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 |

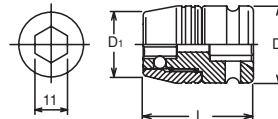
| 107-11 (XZN) | L (mm) | (g) | (pcs.) |
|-----------------|-----------|-----|--------|
| M 4 | 35 | 18 | 10 |
| M 5 | 35 | 20 | 10 |
| M 6 | 35 | 22 | 10 |
| M 8 | 35 | 26 | 10 |
| M10 | 35 | 31 | 10 |
| M12 | 35 | 38 | 10 |

| 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 |

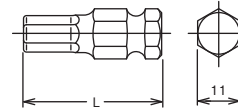
14105 Bit Holder Klingenhalter Porte-embouts



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

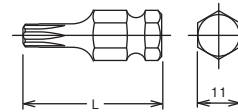


107-11 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans males creux

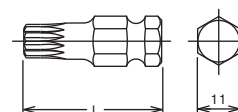


| 107-11 (inch) | L (mm) | (g) | (pcs.) |
|------------------|-----------|-----|--------|
| 3/16 | 35 | 16 | 10 |
| 7/32 | 35 | 16 | 10 |
| 1/4 | 35 | 18 | 10 |
| 5/16 | 35 | 20 | 10 |
| 3/8 | 35 | 26 | 10 |
| 7/16 | 35 | 28 | 10 |
| 1/2 | 35 | 38 | 10 |
| 5/8 | 35 | 47 | 10 |
| 3/4 | 35 | 56 | 10 |

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



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



Impact Sockets Impact Steckschlüssel Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

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 (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 |

IMPACT SOCKETS

14105-11 (T) Bit Holder complete with TORX® Bit Klingenhälter, komplett mit TORX® Klinge Porte embout avec bit TORX®



| 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

SLEEVE-DRIVE SOCKETS

14105-11 (XZN) Bit Holder complete with XZN Bit Klingenhälter, komplett mit XZN Klinge Porte embout avec bit XZN

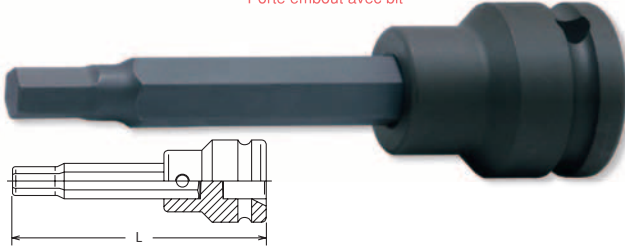


| 14105-11 (XZN) | L (mm) | (g) | (pcs.) | |
|----------------|--------|-----|--------|----|
| M 4 | 60 | 144 | 10 | *1 |
| M 5 | 60 | 146 | 10 | *1 |
| M 6 | 60 | 152 | 10 | *1 |
| M 8 | 60 | 157 | 10 | *1 |
| M10 | 60 | 160 | 10 | *1 |
| M12 | 60 | 164 | 10 | *1 |

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

INDUSTRIAL SOCKETS

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®

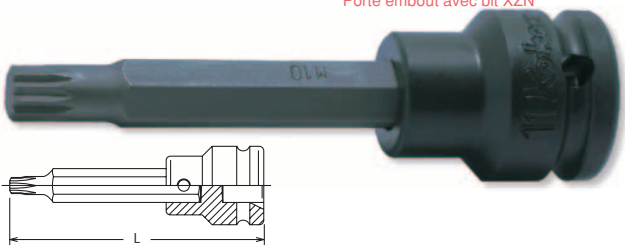


| 14105(L105) (T) | L (mm) | (g) | (pcs.) | |
|-----------------|--------|-----|--------|----|
| T30 | 105 | 180 | 10 | *1 |
| T40 | 105 | 180 | 10 | *1 |
| T45 | 105 | 185 | 10 | *1 |
| T50 | 105 | 185 | 10 | *1 |
| T55 | 105 | 195 | 10 | *1 |
| T60 | 105 | 205 | 10 | *1 |

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

TOOLS FOR CONSTRUCTION SITES

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 |

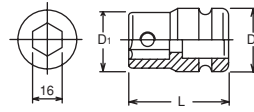
*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99

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 |

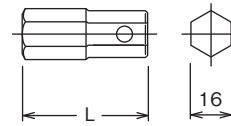
| 107-16 (inch) | L (mm) | (g) | (pcs.) |
|------------------|-----------|-----|--------|
| 1/2 | 40 | 56 | 10 |
| 9/16 | 40 | 60 | 10 |
| 5/8 | 40 | 69 | 10 |
| 3/4 | 40 | 80 | 10 |

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

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

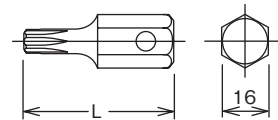
107-16

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



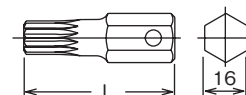
107-16 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®



107-16 (XZN)

Bits XZN
Klingen XZN
Embouts de vissage, XZN



Impact Sockets
Impact Steckschlüssel
Douilles Impact

1/2"

BITS, NUT SETTERS AND ADAPTORS

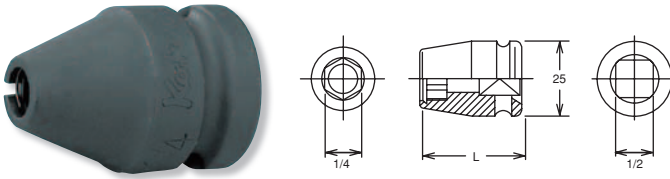
IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

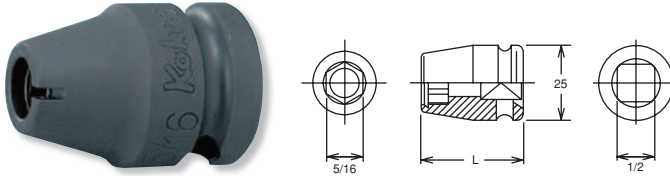
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

14139  Bit Holder
Klingenhalter
Porte-embout



14140  Bit Holder
Klingenhalter
Porte-embout




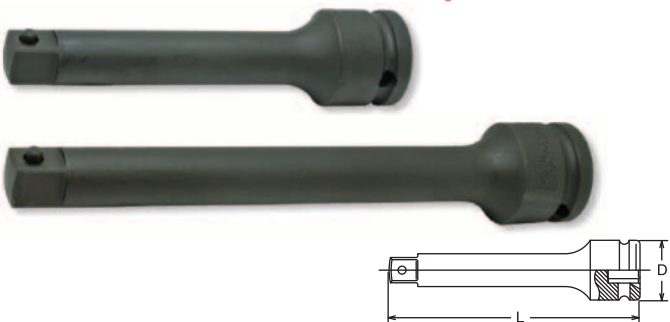
14142-D6.3  Bit Holder (Quick Release)
Kingenhalter (Schnellwechselfutter)
Porte embout (mandrin autoserrant)




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



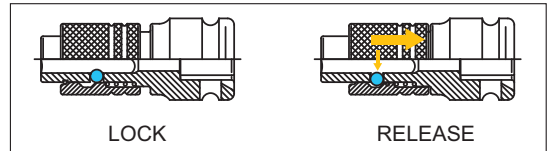
| | D ₁ (mm) | D ₂ (mm) | L (mm) |  (g) |  (pcs.) |  |
|-------------------|------------------------|------------------------|-----------|---|--|---|
| 14142-F6.3 | 16.5 | 25 | 55 | 100 | 10 | *1 |




*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



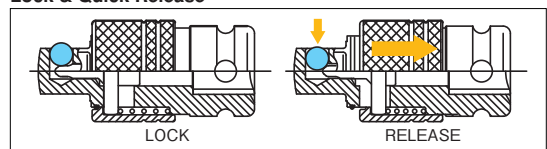
| 14760 | D (mm) | L (mm) |  (g) |  (pcs.) |  |
|-------------|-----------|-----------|---|--|---|
| 50P | 30 | 50 | 150 | 1 | *1 |
| 75P | 30 | 75 | 188 | 1 | *1 |
| 100P | 30 | 100 | 240 | 1 | *1 |
| 125P | 30 | 125 | 275 | 1 | *1 |
| 150P | 30 | 150 | 300 | 1 | *1 |
| 175P | 30 | 175 | 358 | 1 | *1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

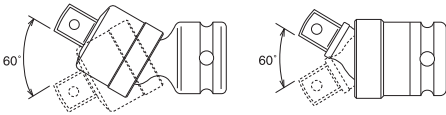
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

Lock & Quick Release

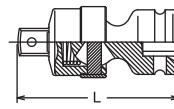


| | L (mm) | (g) | (pcs.) | ⚠ |
|----------------|-----------|-----|--------|----|
| 14770-P | 74 | 210 | 5 | *1 |
| 14771-P | 65 | 198 | 5 | *1 |

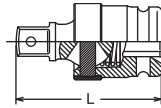
*1 C-Ring=1402C, Pin/O-Ring=1402A/B → P98-99



14770-P Universal Joint Gelenk-Einsatz Cardan universel



14771-P Universal Joint Gelenk-Einsatz Cardan universel

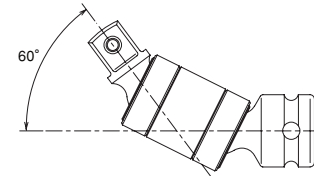
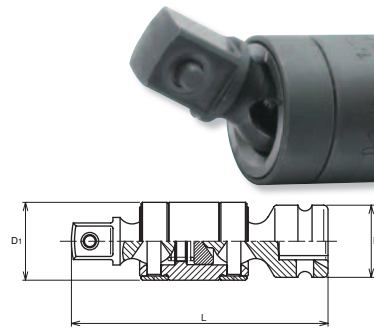
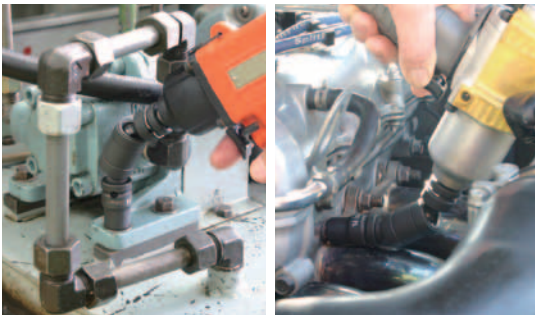


14772-P Universal Double Joint Doppelgelenk-Einsatz Cardan universel double

PATENT P.

| | D ₁ (mm) | D ₂ (mm) | L (mm) | (g) | (pcs.) | ⚠ |
|----------------|------------------------|------------------------|-----------|-----|--------|----|
| 14772-P | 27 | 25 | 90 | 230 | 5 | *1 |

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



14433A-P Adaptor Verbindungsstück Réducteur

No Warranty
Keine Garantie
Sans Garantie



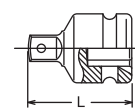
| | (sq.) | (sq.) | L (mm) | (g) | (pcs.) | ⚠ |
|-----------------|-------|-------|-----------|-----|--------|----|
| 14433A-P | 1/2" | 3/8" | 36 | 68 | 10 | *1 |

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

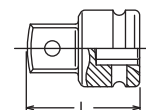
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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.



14455A Adaptor Verbindungsstück Augmentateur



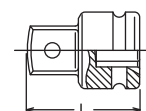
| | (sq.) | (sq.) | L (mm) | (g) | (pcs.) | ⚠ |
|---------------|-------|-------|-----------|-----|--------|----|
| 14455A | 1/2" | 5/8" | 42 | 135 | 10 | *1 |

*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

14466A Adaptor Verbindungsstück Augmentateur







Impact Sockets
Impact Steckschlüssel
Douilles Impact **1/2"**

BITS, NUT SETTERS AND ADAPTORS

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 | |

IMPACT SOCKETS

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 | |

SLEEVE-DRIVE SOCKETS

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 | |

INDUSTRIAL SOCKETS

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 | |

TOOLS FOR CONSTRUCTION SITES

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  Socket Set
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  Socket Set
Steckschlüssel Satz
Jeu de clés à douille








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

14245M-00  Socket Set
14245M-05  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 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27 |  14760-125P  14770-P  1401A, 1402A  1401B, 1402B |

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

Impact Sockets
Impact Steckschlüssel
Douilles Impact

5/8"

BITS, NUT SETTERS AND ADAPTORS

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

IMPACT SOCKETS

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

SLEEVE-DRIVE SOCKETS

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

INDUSTRIAL SOCKETS

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 |

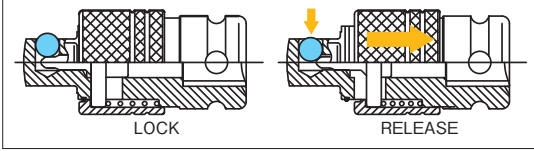
*1 Pin/O-Ring=1500A/B → P99

TOOLS FOR CONSTRUCTION SITES

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

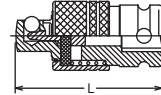
*1 Pin/O-Ring=1500A/B → P99

Lock & Quick Release



15555AL

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

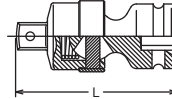


| | L (mm) | (g) | (pcs.) | ⚡ |
|--------------|-----------|-----|--------|----|
| 15770 | 88 | 420 | 10 | *1 |

*1 Pin/O-Ring=1500A/B → P99

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.

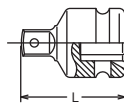
Die mit **⚠** gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

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

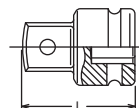


| | (sq.) | (sq.) | L (mm) | (g) | (pcs.) | ⚡ |
|---------------|-------|-------|-----------|-----|--------|----|
| 15566A | 5/8" | 3/4" | 48 | 200 | 10 | *1 |

*1 Pin/O-Ring=1500A/B → P99

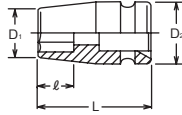
15566A

Adaptor
Verbindungsstück
Augmentateur



16400M / 16400A

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



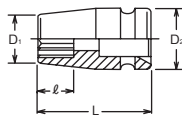
| 16400A (inch) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|---------------|---------------------|---------------------|--------|--------|------|--------|----|
| 11/16 | 30 | 44 | 12 | 50 | 355 | 5 | *1 |
| 3/4 | 32.5 | 44 | 13 | 50 | 360 | 5 | *1 |
| 13/16 | 35 | 44 | 15 | 50 | 374 | 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 | 373 | 5 | *1 |
| 24 | 38.8 | 44 | 16 | 50 | 370 | 5 | *1 |
| 25 | 40 | 44 | 16 | 50 | 374 | 5 | *1 |
| 26 | 41.3 | 44 | 16 | 50 | 378 | 5 | *1 |
| 27 | 42.5 | 44 | 16 | 50 | 375 | 5 | *1 |
| 28 | 43.8 | 44 | 16 | 50 | 383 | 5 | *1 |
| 29 | 45 | 44 | 18 | 53 | 412 | 5 | *1 |
| 30 | 46.3 | 44 | 18 | 53 | 410 | 5 | *1 |
| 31 | 47.5 | 44 | 18 | 53 | 426 | 5 | *1 |
| 32 | 48.8 | 44 | 19 | 53 | 428 | 5 | *1 |
| 33 | 50 | 44 | 20 | 55 | 470 | 5 | *1 |
| 34 | 51.3 | 44 | 20 | 55 | 490 | 5 | *1 |
| 35 | 52.5 | 44 | 20 | 55 | 494 | 5 | *1 |
| 36 | 53.8 | 44 | 20 | 55 | 498 | 5 | *1 |
| 37 | 55 | 44 | 20 | 55 | 526 | 2 | *1 |
| 38 | 56.3 | 44 | 20 | 57 | 558 | 2 | *1 |
| 39 | 57.5 | 44 | 20 | 57 | 579 | 2 | *1 |
| 40 | 58.8 | 44 | 20 | 57 | 598 | 2 | *1 |
| 41 | 60 | 44 | 22 | 57 | 572 | 2 | *1 |
| 42 | 61.3 | 44 | 22 | 57 | 617 | 2 | *1 |
| 43 | 62.5 | 44 | 23 | 62 | 720 | 2 | *1 |
| 44 | 63.8 | 44 | 23 | 62 | 761 | 2 | *1 |
| 45 | 65 | 44 | 23 | 62 | 757 | 2 | *1 |
| 46 | 66.3 | 44 | 23 | 62 | 755 | 2 | *1 |
| 47 | 67.5 | 54 | 23 | 62 | 805 | 2 | *2 |
| 48 | 68.8 | 54 | 23 | 62 | 940 | 2 | *2 |
| 49 | 70 | 54 | 23 | 62 | 912 | 2 | *2 |
| 50 | 71.3 | 54 | 30 | 62 | 930 | 2 | *2 |
| 52 | 73.8 | 54 | 29 | 62 | 1011 | 2 | *2 |
| 54 | 76.3 | 54 | 29 | 62 | 1035 | 2 | *2 |
| 55 | 77.5 | 54 | 29 | 62 | 1056 | 2 | *2 |
| 56 | 78.8 | 54 | 29 | 62 | 1091 | 2 | *2 |
| 57 | 80 | 54 | 32 | 65 | 1126 | 2 | *2 |
| 58 | 81.3 | 54 | 31 | 65 | 1163 | 2 | *2 |
| 59 | 82.5 | 54 | 31 | 65 | 1185 | 2 | *2 |
| 60 | 83.8 | 54 | 31 | 65 | 1215 | 2 | *2 |
| 65 | 90 | 54 | 30 | 65 | 1325 | 2 | *2 |
| New 70 | 96.3 | 54 | 34 | 70 | 1570 | 1 | *2 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → Pg8-99
*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 | 373 | 5 | *1 |
| 24 | 38.8 | 44 | 16 | 50 | 370 | 5 | *1 |
| 25 | 40 | 44 | 16 | 50 | 374 | 5 | *1 |
| 26 | 41.3 | 44 | 16 | 50 | 378 | 5 | *1 |
| 27 | 42.5 | 44 | 16 | 50 | 375 | 5 | *1 |
| 28 | 43.8 | 44 | 16 | 50 | 383 | 5 | *1 |
| 29 | 45 | 44 | 18 | 53 | 412 | 5 | *1 |
| 30 | 46.3 | 44 | 18 | 53 | 410 | 5 | *1 |
| 32 | 48.8 | 44 | 19 | 53 | 428 | 5 | *1 |
| 33 | 50 | 44 | 20 | 55 | 470 | 5 | *1 |
| 34 | 51.3 | 44 | 20 | 55 | 490 | 5 | *1 |
| 36 | 53.8 | 44 | 20 | 55 | 498 | 5 | *1 |
| 38 | 56.3 | 44 | 20 | 57 | 558 | 2 | *1 |
| 41 | 60 | 44 | 22 | 57 | 572 | 2 | *1 |
| 42 | 61.3 | 44 | 22 | 57 | 617 | 2 | *1 |
| 46 | 66.3 | 44 | 23 | 62 | 755 | 2 | *1 |
| 50 | 71.3 | 54 | 30 | 62 | 930 | 2 | *2 |
| 52 | 73.8 | 54 | 29 | 62 | 1011 | 2 | *2 |
| 55 | 77.5 | 54 | 29 | 62 | 1056 | 2 | *2 |
| 60 | 83.8 | 54 | 31 | 65 | 1215 | 2 | *2 |
| New 65 | 90 | 54 | 30 | 65 | 1325 | 2 | *2 |

*1 C-Ring=1600C, Pin/O-Ring=1601A/B → Pg8-99
*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

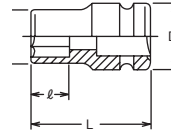
| 16401M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 17 | 28 | 43 | 12 | 50 | 300 | 5 | *1 |
| 18 | 29.3 | 43 | 13 | 50 | 300 | 5 | *1 |
| 19 | 30.5 | 43 | 13 | 50 | 300 | 5 | *1 |
| 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-pans



| 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

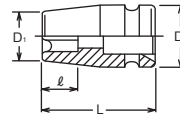
| 16425 (E) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-----------|---------------------|---------------------|--------|--------|-----|--------|----|
| E18 | 26.3 | 44 | 13 | 50 | 355 | 5 | *1 |
| E20 | 28.8 | 44 | 14.4 | 50 | 370 | 5 | *1 |
| E22 | 31.3 | 44 | 15.5 | 50 | 390 | 5 | *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

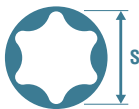
16425



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 |

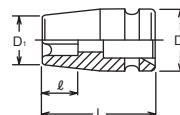
| 16425 (EPL) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | |
|-------------|---------------------|---------------------|--------|--------|-----|--------|----|
| 24EPL | 32.5 | 44 | 12.2 | 55 | 427 | 5 | *1 |
| 32EPL | 40 | 44 | 16.1 | 62 | 488 | 2 | *1 |

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

16425-EPL TORX PLUS®



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

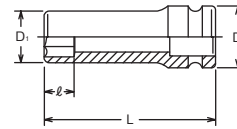


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TORX est une marque déposée de Acument Intellectual Properties, LLC.

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

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 |

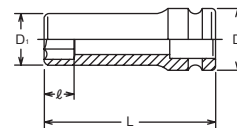
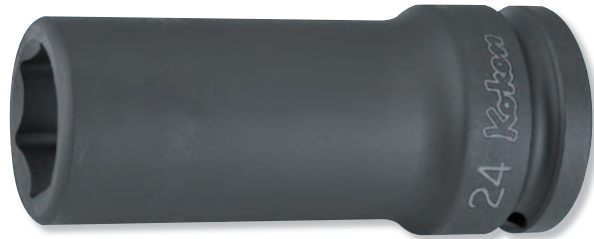
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99
*2 C-Ring=1801C, Pin/O-Ring=1602A/B

| 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 → P98-99
*2 C-Ring=1801C, Pin/O-Ring=1602A/B

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

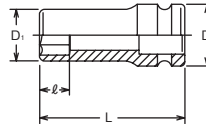
TOOLS FOR CONSTRUCTION SITES

| 16301X (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 |
| New 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

16301X

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

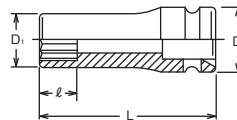


| 16305M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | Ⓢ |
|----------------|------------------------|------------------------|-----------|-----------|------|--------|----|
| 17 | 30 | 44 | 17 | 100 | 544 | 2 | *1 |
| 18 | 31.3 | 44 | 18 | 100 | 600 | 2 | *1 |
| 19 | 32.5 | 44 | 19 | 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

16305M

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

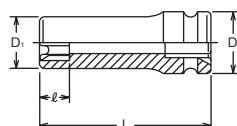


| 16325 (E) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | Ⓢ |
|--------------|------------------------|------------------------|-----------|-----------|-----|--------|----|
| E18 | 26.3 | 44 | 13 | 100 | 520 | 2 | *1 |
| E20 | 28.8 | 44 | 14.4 | 100 | 560 | 2 | *1 |
| E22 | 31.3 | 44 | 15.5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

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

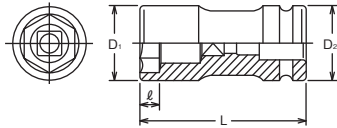
16325




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





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 |

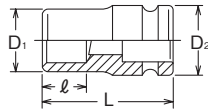
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99




| 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 |

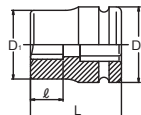
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99




| 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




3/4"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

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.

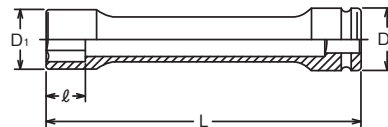
Etant donné que le couple peut varier selon modèle, la capacité ou l'état de la clé à choc, le contrôle de la combinaison clé à choc/barre par clé dynamométrique est indispensable.




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

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

IMPACT SOCKETS

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

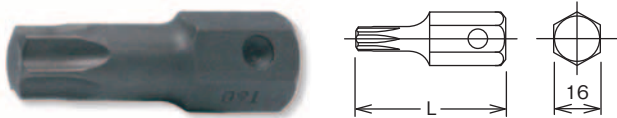




| 107-16 (mm) | L (mm) |  (g) |  (pcs.) |
|----------------|-----------|---|--|
| 10 | 40 | 46 | 10 |
| 12 | 40 | 52 | 10 |
| 13 | 40 | 56 | 10 |
| 14 | 40 | 60 | 10 |
| 16 | 40 | 69 | 10 |
| 17 | 40 | 73 | 10 |
| 18 | 40 | 78 | 10 |
| 19 | 40 | 80 | 10 |
| 22 | 40 | 97 | 10 |

| 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 |

SLEEVE-DRIVE SOCKETS

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 |

INDUSTRIAL SOCKETS

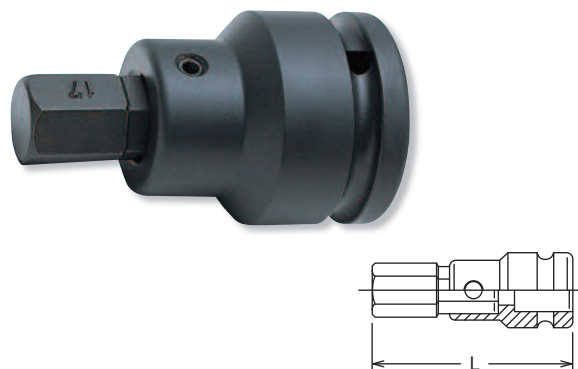
107-16 (XZN) Bits XZN Klingen XZN Embouts de vissage, XZN









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

TOOLS FOR CONSTRUCTION SITES

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

3/4"

Impact Sockets Impact Steckschlüssel Douilles Impact

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

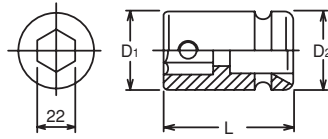
| | D ₁ (mm) | D ₂ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|--------------|------------------------|------------------------|-----------|-----|--------|----|
| 16107 | 44 | 44 | 60 | 530 | 2 | *1 |

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



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

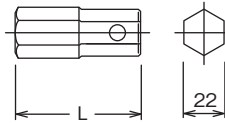
16107 Bit Holder Klingenhalter Porte embout



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

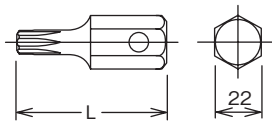
| 107-22 (inch) | L (mm) | (g) | (pcs.) |
|------------------|-----------|-----|--------|
| 5/8 | 50 | 120 | 10 |
| 3/4 | 50 | 140 | 10 |
| 7/8 | 50 | 162 | 10 |
| 1 | 50 | 190 | 10 |
| 1. 1/4 | 55 | 243 | 10 |

107-22 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans males creux



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

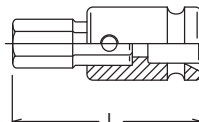
107-22 (T) TORX® Bits TORX® Klingen Embouts, TORX®



| 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

16107-22 Bit Holder complete with Bit Klingenhalter, komplett mit Klinge Porte embout avec bit



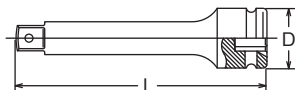
Impact Sockets Impact Steckschlüssel Douilles Impact

3/4"

BITS, NUT SETTERS AND ADAPTORS

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

Extension Bars
Verlängerungen
Rallonges



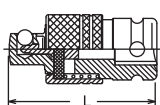
| 16760 | D (mm) | L (mm) | (g) | (pce.) | |
|-------|--------|--------|------|--------|----|
| 150 | 44 | 150 | 775 | 1 | *1 |
| 175 | 44 | 175 | 870 | 1 | *1 |
| 200 | 44 | 200 | 955 | 1 | *1 |
| 250 | 44 | 250 | 1150 | 1 | *1 |
| 330 | 44 | 330 | 1460 | 1 | *1 |

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

IMPACT SOCKETS

16666AL

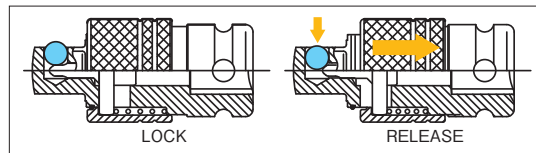
Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



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

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

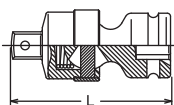
Lock & Quick Release



SLEEVE-DRIVE SOCKETS

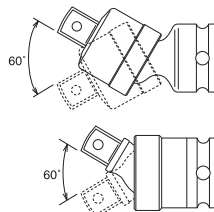
16770

Universal Joint
Gelenk-Einsatz
Cardan universel



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

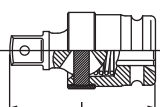
*1 C-Ring=1600C, Pin/O-Ring=1601A/B → P98-99



INDUSTRIAL SOCKETS

16771

Universal Joint
Gelenk-Einsatz
Cardan universel



| | (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.

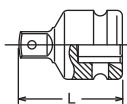
Il est possible d'appliquer aux articles marqués **⚠** des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

TOOLS FOR CONSTRUCTION SITES

16644A-P 16655A

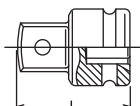
Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie **⚠**



16688A

Adaptor
Verbindungsstück
Augmentateur



| | (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

3/4"

Impact Sockets
Impact Steckschlüssel
Douilles Impact

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




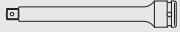
| | |
|---|------------------------|
| 16201M-01 | 13 Pieces Set/△=6,000g |
| METAL CASE:W320×H110×T70mm | |
| Sockets | |
| 16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41 | |

| | |
|---|------------------------|
| 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

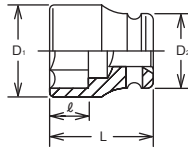





| | |
|---|--|
| 16245M | 17 Pieces Set/△=12,000g |
| METAL CASE:W580×H200×T85mm | |
| Sockets | Accessories |
| 16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50 |  16760-175  16760-330 |




Impact Sockets Impact Steckschlüssel Douilles Impact

1"

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](#)

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

| 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

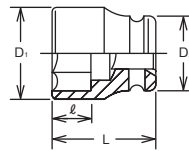
Items in this catalogue marked  can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

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.

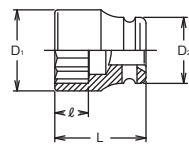
18401M 18401A

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



18405M / 18405A

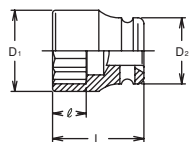
 12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



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

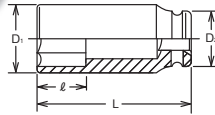
IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

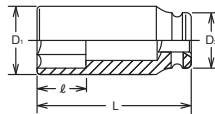
18301X 6-point Semi-Deep Sockets, Thin Walled 6-kant Steckschlüssel mittel lang, dünnwandig Douilles à paroi mince semi-longues, 6-pans



| 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



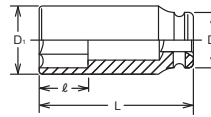
18301M 18301A



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) | (pcs.) | ⚡ |
|-------------------|------------------------|------------------------|-----------|-----------|------|--------|----|
| 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

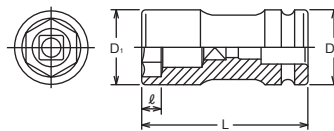
| 18316A (inchxinch) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|-----------------------|------------------------|------------------------|-----------|-----------|------|--------|----|
| 1.1/2x13/16 | 59 | 54 | 13 | 108 | 1120 | 1 | *1 |

*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 | *1 |
| 38x20 | 55 | 54 | 14 | 83 | 1038 | | 5 | *1 |
| 41x19 | 58 | 54 | 14 | 87 | 1100 | | 5 | *1 |
| 41x21 | 58 | 54 | 14 | 87 | 1089 | | 5 | *1 |

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



Impact Sockets Impact Steckschlüssel Douilles Impact

1"

BITS, NUT SETTERS AND ADAPTORS

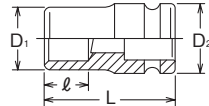
IMPACT SOCKETS


SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

18317M  Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
18317A  Douilles spéciales pour écrous de roué arrière



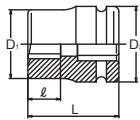
| 18317M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pce.) |  |
|-------------|---------------------|---------------------|--------|--------|-----|--------|---|
| 17 | 40 | 54 | 22.5 | 72 | 682 | 1 | *1 |
| 17.5 | 40 | 54 | 22.5 | 72 | 677 | 1 | *1 |
| 19 | 43 | 54 | 22.5 | 72 | 705 | 1 | *1 |
| 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

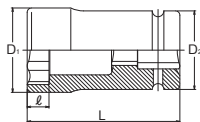
PW8  Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière



| 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

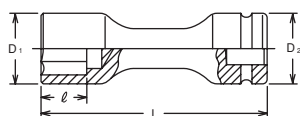
PW8L  Rear Wheel Nut Socket (long)
Steckschlüssel für Hinterradmuttern, lang
Douille spéciale pour écrous de roué arrière longue




| 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 Federbriden
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.

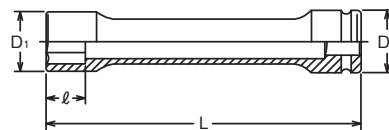
Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/Torsionsstab mittels eines Drehmomentschlüssels.




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 |

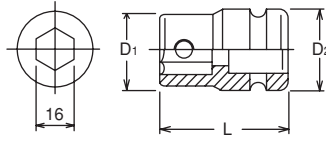
*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99



Impact Sockets Impact Steckschlüssel Douilles Impact

1"


BITS, NUT SETTERS AND ADAPTORS

18106 Bit Holder Klingenhalter Porte embout



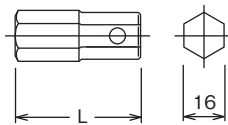
| | D ₁ (mm) | D ₂ (mm) | L (mm) |  (g) |  (pcs.) |  |
|--------------|------------------------|------------------------|-----------|---|--|---|
| 18106 | 32 | 54 | 68 | 640 | 2 | *1 |



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



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

IMPACT SOCKETS

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

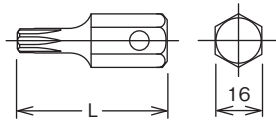



| 107-16 (mm) | L (mm) |  (g) |  (pcs.) |
|----------------|-----------|---|--|
| 10 | 40 | 46 | 10 |
| 12 | 40 | 52 | 10 |
| 13 | 40 | 56 | 10 |
| 14 | 40 | 60 | 10 |
| 16 | 40 | 69 | 10 |
| 17 | 40 | 73 | 10 |
| 18 | 40 | 78 | 10 |
| 19 | 40 | 80 | 10 |
| 22 | 40 | 97 | 10 |

| 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 |

SLEEVE-DRIVE SOCKETS

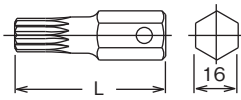
107-16 (T) TORX® Bits TORX® Klingen Embouts, TORX®



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

INDUSTRIAL SOCKETS

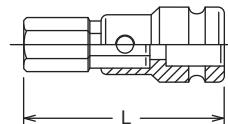
107-16 (XZN) Bits XZN Klingen XZN Embouts de vissage, XZN









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

TOOLS FOR CONSTRUCTION SITES

18106-16 Bit Holder complete with Bit Klingenhalter, 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

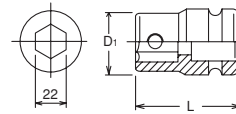
| | D ₁ (mm) | D ₂ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|--------------|------------------------|------------------------|-----------|-----|--------|----|
| 18107 | 44 | 54 | 70 | 770 | 2 | *1 |

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



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

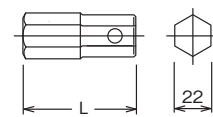
18107 Bit Holder Klingenhalter Porte embout



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

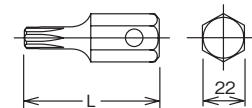
| 107-22 (inch) | L (mm) | (g) | (pcs.) |
|------------------|-----------|-----|--------|
| 5/8 | 50 | 120 | 10 |
| 3/4 | 50 | 140 | 10 |
| 7/8 | 50 | 162 | 10 |
| 1 | 50 | 190 | 10 |
| 1. 1/4 | 55 | 243 | 10 |

107-22 Bits for Inhex Screws Klingen für Innensechskant-Schrauben Embouts pour vis 6-pans males creux



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

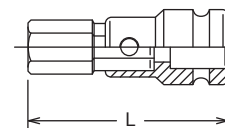
107-22 (T) TORX® Bits TORX® Klingen Embouts, TORX®



| 18107-22 (mm) | 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 |

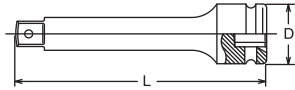
*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

18107-22 Bit Holder complete with Bit Klingenhalter, komplett mit Klinge Porte embout avec bit



18760-175/-200/-250/-330

Extension Bars
Verlängerungen
Rallonges

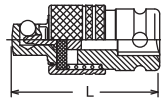


| 18760 | D (mm) | L (mm) | (g) | (pce.) | ⊕ |
|-------|--------|--------|------|--------|----|
| 175 | 54 | 175 | 1400 | 1 | *1 |
| 200 | 54 | 200 | 1580 | 1 | *1 |
| 250 | 54 | 250 | 1885 | 1 | *1 |
| 330 | 54 | 330 | 2380 | 1 | *1 |

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

18888AL

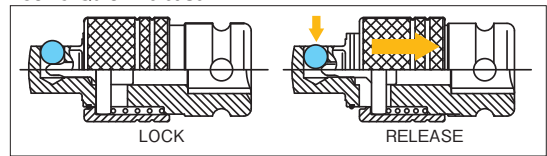
Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



| 18888AL | L (mm) | (g) | (pcs.) | ⊕ |
|---------|--------|-----|--------|----|
| 18888AL | 95 | 980 | 2 | *1 |

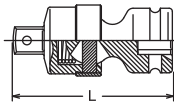
*1 C-Ring=1801C, Pin/O-Ring=1801A/B → P98-99

Lock & Quick Release



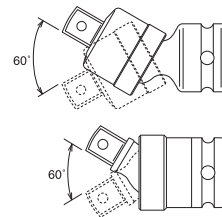
18770

Universal Joint
Gelenk-Einsatz
Cardan universel



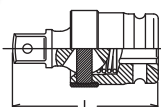
| 18770 | L (mm) | (g) | (pce.) | ⊕ |
|-------|--------|------|--------|----|
| 18770 | 127 | 1210 | 1 | *1 |
| 18771 | 115 | 1210 | 1 | *1 |






*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.

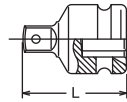
| |  (sq.) |  (sq.) | L (mm) |  (g) |  (pce.) |  |
|---------------|---|---|--------|---|--|---|
| 18877A | 1" | 1.1/2" | 80 | 935 | 1 | *1 |

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

18866A 18866A-200

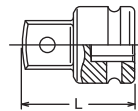
Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie



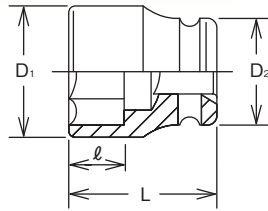
18877A

Adaptor
Verbindungsstück
Augmentateur



17400M / 17400A

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



BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

| 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

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

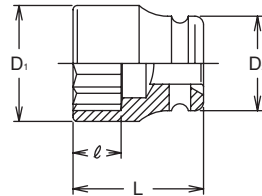
| 17405M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|-------------|---------------------|---------------------|--------|--------|------|--------|----|
| 46 | 74 | 86 | 26 | 84 | 2360 | 1 | *1 |
| 50 | 79 | 86 | 27 | 84 | 2400 | 1 | *1 |
| 55 | 85 | 86 | 44 | 90 | 2450 | 1 | *1 |
| 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

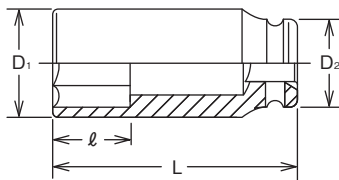
17405M / 17405A

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



17300M / 17300A

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



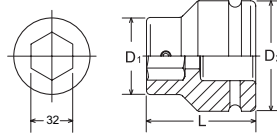
| 17300M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pce.) | ⚡ |
|-------------|---------------------|---------------------|--------|--------|-------|--------|----|
| 41 | 68 | 86 | 27 | 115 | 3080 | 1 | *1 |
| 42 | 70 | 86 | 27 | 115 | 3140 | 1 | *1 |
| 46 | 74 | 86 | 28 | 125 | 3440 | 1 | *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

17108 Bit Holder Klingenhalter Porte-embout

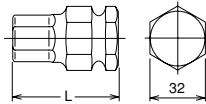




| | D ₁ (mm) | D ₂ (mm) | L (mm) |  (g) |  (pce.) |  |
|--------------|------------------------|------------------------|-----------|---|--|---|
| 17108 | 60 | 86 | 85 | 2200 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B [→ P98-99](#)

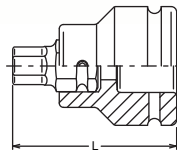
 Replacement Screw : M8x14, ● 4mm
Ersatzschraube : M8x14, ● 4mm
Vis de remplacement : M8x14, ● 4mm




107-32 Bit for Inhex Screws Klingen für Innensechskant-Schrauben Embout 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"

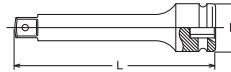
Impact Sockets
Impact Steckschlüssel
Douilles Impact

| 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

17760-175/-250/-330

Extension Bars
Verlängerungen
Rallonges

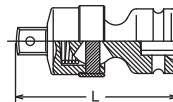


| 17770 | L (mm) | (g) | (pce.) | ⚡ |
|-------|--------|------|--------|----|
| 17770 | 200 | 4700 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P98-99

17770

Universal Joint
Gelenk-Einsatz
Cardan universel



| 17788A | (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.

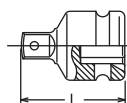
Die mit **⚠** gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

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.

17788A

Adaptor
Verbindungsstück
Réducteur

No Warranty
Keine Garantie
Sans Garantie

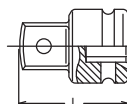


| 17799A | (sq.) | (sq.) | L (mm) | (g) | (pce.) | ⚡ |
|--------|--------|--------|--------|------|--------|----|
| 17799A | 1.1/2" | 2.1/2" | 115 | 3790 | 1 | *1 |

*1 C-Ring=1700C, Pin/O-Ring=1701A/B → P98-99

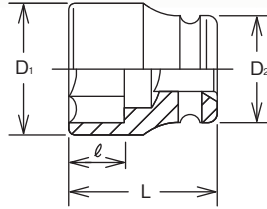
17799A

Adaptor
Verbindungsstück
Augmentateur



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

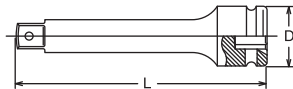
TOOLS FOR CONSTRUCTION SITES

| 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 → P99
*2 Pin/O-Ring=1902A/B

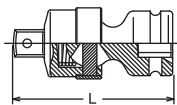
| 19760 | D (mm) | L (mm) | (g) | (pce.) | ⚡ |
|-------|-----------|-----------|-------|--------|----|
| 250 | 127 | 250 | 17800 | 1 | *1 |
| 500 | 127 | 500 | 27800 | 1 | *1 |

*1 Pin/O-Ring=1901A/B → P99



| 19770 | L (mm) | (g) | (pce.) | ⚡ |
|-------|-----------|-------|--------|----|
| 19770 | 303 | 21360 | 1 | *1 |

*1 Pin/O-Ring=1901A/B → P99



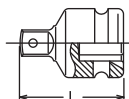
| 19977A | (sq.) | (sq.) | L (mm) | (g) | (pce.) | ⚡ |
|--------|--------|--------|-----------|------|--------|----|
| 19977A | 2.1/2" | 1.1/2" | 145 | 7210 | 1 | *1 |

*1 Pin/O-Ring=1901A/B → P99

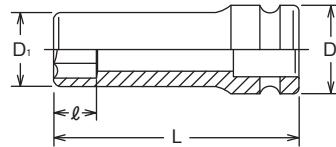
⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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

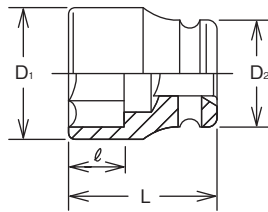


19977A Adaptor Verbindungsstück Réducteur No Warranty Keine Garantie Sans Garantie



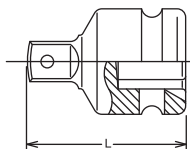
10400M / 10400A

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



10099A

Adaptor
Verbindungsstück
Réducteur



| 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 → Pg9
*2 Pin/O-Ring=2002A/B

| 10099A | ⊞ (sq.) | ⊞ (sq.) | L (mm) | ⚖️ (g) | 📦 (pce.) | ⚡ |
|--------|---------|---------|--------|--------|----------|----|
| 10099A | 3.1/2" | 2.1/2" | 182 | 16870 | 1 | *1 |

*1 Pin/O-Ring=2001A/B → Pg9

⚠️ 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

3/8"

1/2"

3/4"



Sleeve-Drive Sockets
 Sleeve-Drive Steckschlüssel
 Douilles, Sleeve Drive

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS



The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

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

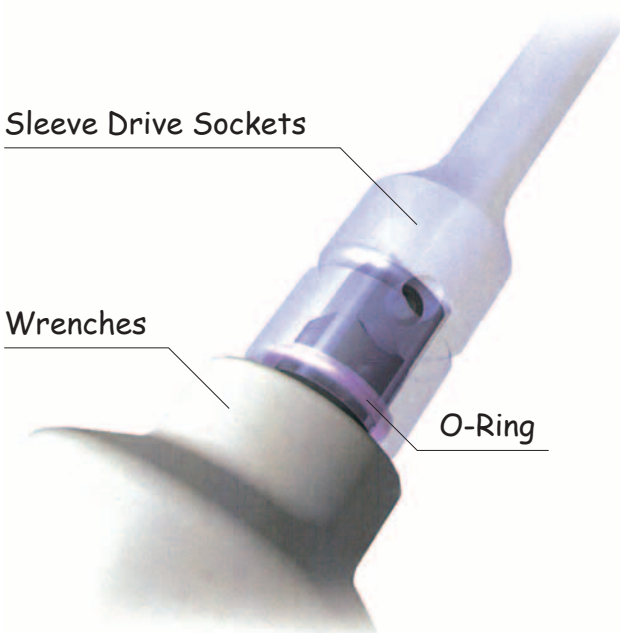
INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

Sleeve Drive Sockets

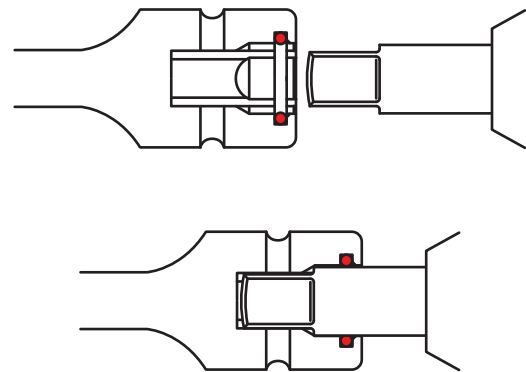
Wrenches

O-Ring



SLEEVE DRIVE SOCKET

PULSE TOOL

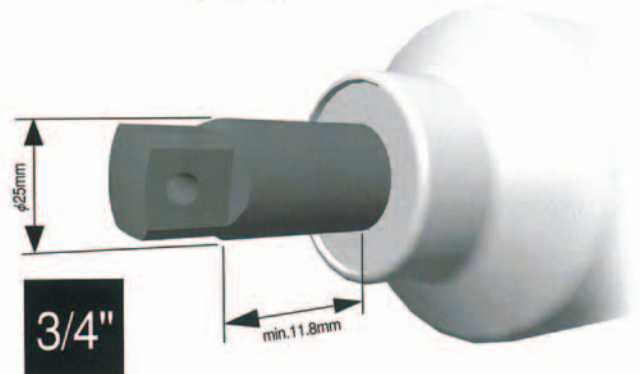
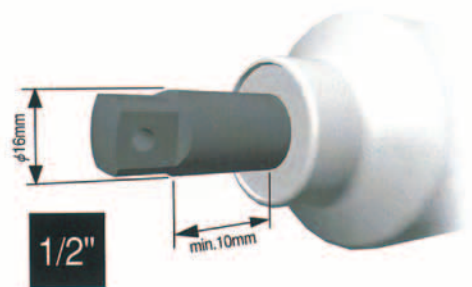
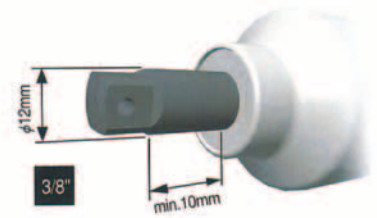


The "**Sleeve Drive**" Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

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

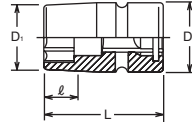
TOOLS FOR CONSTRUCTION SITES

| 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 (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 |

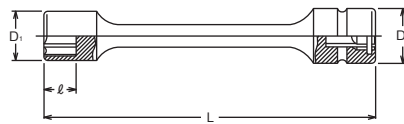
| NV13145-150 (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) | ⚡ |
|---------------------|------------------------|------------------------|-----------|-----------|-----|--------|----|
| 6 | 13 | 19 | 6 | 150 | 160 | 10 | *1 |
| 8 | 13 | 19 | 8 | 150 | 160 | 10 | *1 |
| 10 | 15.5 | 19 | 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

NV13145-100/-150/-200

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées



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

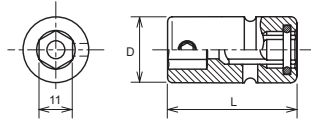
Douilles, Sleeve Drive

3/8"

BITS, NUT SETTERS AND ADAPTORS

NV13105

Bit Holder
Klingenhalter
Porte-embouts



| | D (mm) | L (mm) | (g) | (pcs.) | |
|----------------|--------|--------|-----|--------|----|
| NV13105 | 22 | 43 | 90 | 5 | *1 |

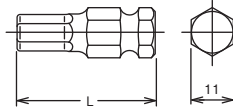
*1 C-Ring=1301C, Pin/O-Ring=1301A/B → P98-99

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

IMPACT SOCKETS

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 |

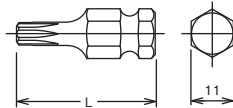
| 107-11 (mm) | L (mm) | (g) | (pcs.) |
|-------------|--------|-----|--------|
| 3 | 35 | 15 | 10 |
| 4 | 35 | 16 | 10 |
| 5 | 35 | 16 | 10 |
| 6 | 35 | 18 | 10 |
| 7 | 35 | 19 | 10 |
| 8 | 35 | 20 | 10 |
| 10 | 35 | 26 | 10 |
| 11 | 35 | 28 | 10 |
| 12 | 35 | 31 | 10 |
| 14 | 35 | 38 | 10 |
| 16 |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

SLEEVE-DRIVE SOCKETS

107-11 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®



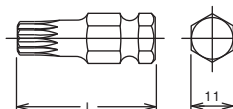
| 107-11 (T) | L (mm) | (g) | (pcs.) |
|------------|--------|-----|--------|
| T25 | 35 | 18 | 10 |
| T30 | 35 | 18 | 10 |
| T40 | 35 | 20 | 10 |
| T45 | 35 | 22 | 10 |
| T50 | 35 | 26 | 10 |
| T55 | 35 | 31 | 10 |
| T60 | 35 | 38 | 10 |

| 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 |

INDUSTRIAL SOCKETS

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 |

TOOLS FOR CONSTRUCTION SITES

1/2"

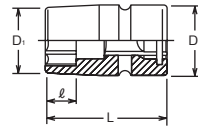
Sleeve-Drive Sockets Sleeve-Drive Steckschlüssel Douilles, Sleeve Drive

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

NV14400

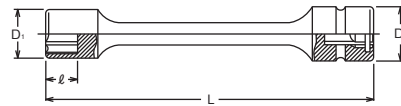
6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



| 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 |

NV14145-100/-150/-200

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées



| 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 |

| 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 |

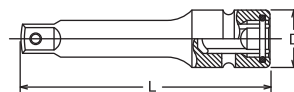
*1 C-Ring=1401C, Pin/O-Ring=1401A/B → P98-99

| 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

NV14760-75P/-125P/-175P/-250P

Extension Bars
Verlängerungen
Rallonges



| NV14433A | □ (mm) | □ (mm) | L (mm) | (g) | (pce.) | ⚡ |
|----------|--------|--------|--------|-----|--------|----|
| 75P | 1/2" | 3/8" | 75 | 120 | 1 | *1 |
| 100P | 1/2" | 3/8" | 100 | 145 | 1 | *1 |
| 150P | 1/2" | 3/8" | 150 | 187 | 1 | *1 |

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

NV14433A-75P/-100P/-150P

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie ⚠



⚠ 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

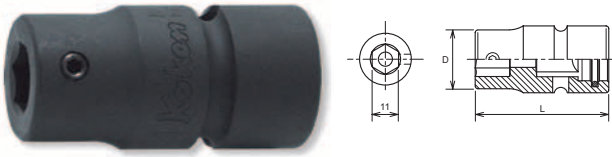
Douilles, Sleeve Drive

1/2"

BITS, NUT SETTERS AND ADAPTORS


NV14105

 Bit Holder
Klingenhalter
Porte-embouts



| | D (mm) | L (mm) | (g) | (pcs.) | |
|----------------|-----------|-----------|-----|--------|----|
| NV14105 | 22 | 43 | 115 | 5 | *1 |

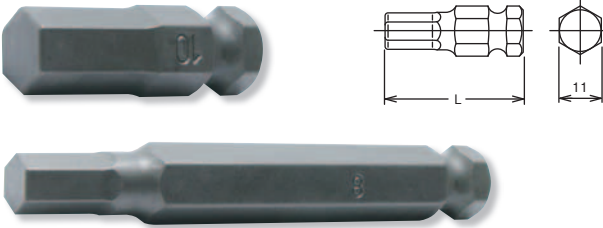
*1 C-Ring=1401C, Pin/O-Ring=1401A/B [P08-99](#)

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

IMPACT SOCKETS

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 |

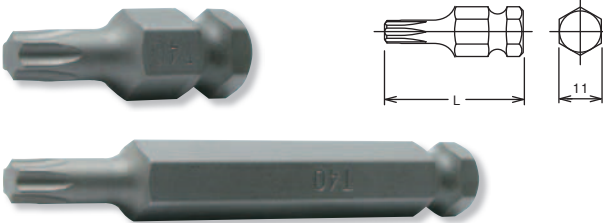
| 107-11 (mm) | L (mm) | (g) | (pcs.) |
|----------------|-----------|-----|--------|
| 3 | 35 | 15 | 10 |
| 4 | 35 | 16 | 10 |
| 5 | 35 | 16 | 10 |
| 6 | 35 | 18 | 10 |
| 7 | 35 | 19 | 10 |
| 8 | 35 | 20 | 10 |
| 10 | 35 | 26 | 10 |
| 11 | 35 | 28 | 10 |
| 12 | 35 | 31 | 10 |
| 14 | 35 | 38 | 10 |
|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

SLEEVE-DRIVE SOCKETS

107-11 (T)

 TORX® Bits
TORX® Klingen
Embouts, TORX®



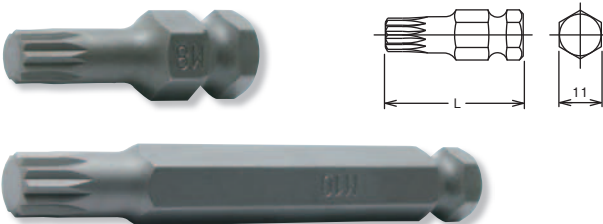
| 107-11 (T) | L (mm) | (g) | (pcs.) |
|---------------|-----------|-----|--------|
| T25 | 35 | 18 | 10 |
| T30 | 35 | 18 | 10 |
| T40 | 35 | 20 | 10 |
| T45 | 35 | 22 | 10 |
| T50 | 35 | 26 | 10 |
| T55 | 35 | 31 | 10 |
| T60 | 35 | 38 | 10 |

| 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 |

INDUSTRIAL SOCKETS

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 |

TOOLS FOR CONSTRUCTION SITES

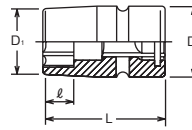
3/4"

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



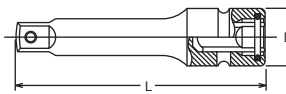
NV16760-175/-250/-330

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

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

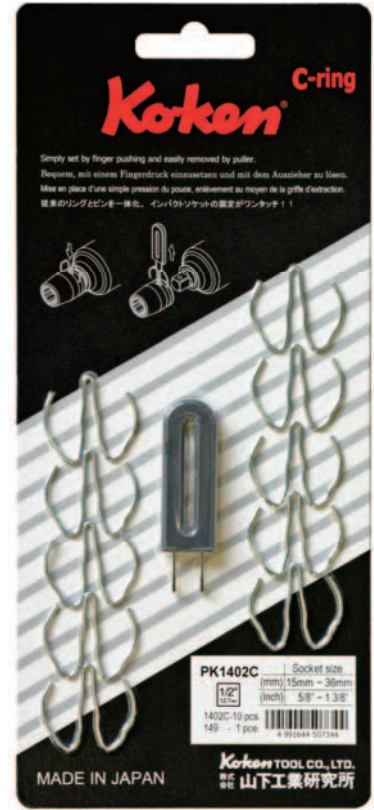
TOOLS FOR CONSTRUCTION SITES



One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

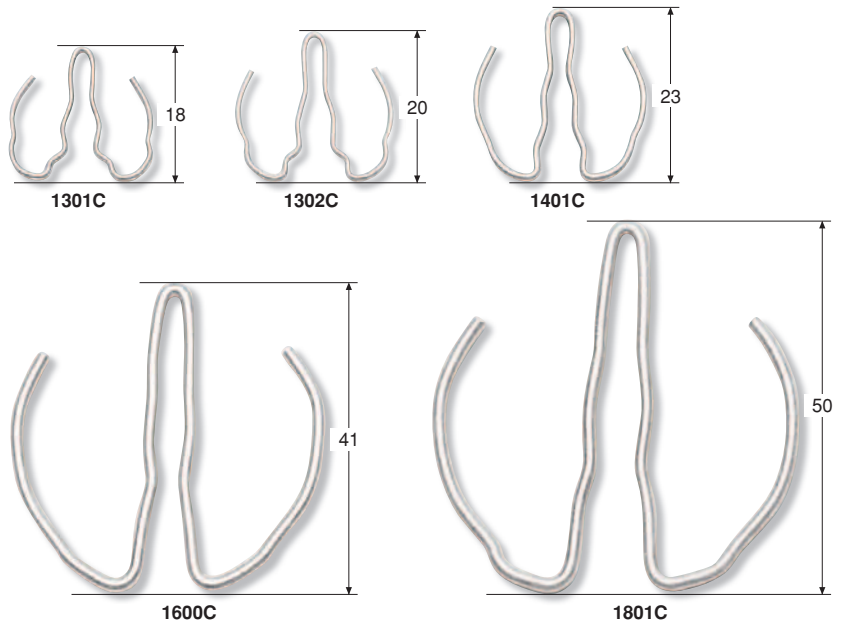
Aus starkem Federstahl, in einem Stück. Bequem, mit einem Fingerdruck einzusetzen und mit dem Auszieher zu lösen. Einfacher und sicherer als die Kombination Stift und Ring.

Acier à ressorts, en une pièce. Mise en place d'une simple pression du pouce, enlèvement au moyen de la griffe d'extraction. Beaucoup plus facile et sûr que la combinaison goupille/bague.



C-Ring

| No. | □ | Opening (mm) | 📦 (pcs.) |
|-------|--------|--------------|----------|
| 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 |

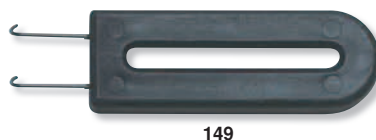


C-Ring Set

| Set No. | □ | C-Ring 10pcs. | Puller 1pce. |
|---------|------|---------------|--------------|
| PK1301C | 3/8" | 1301C + 149 | |
| PK1302C | 3/8" | 1302C + 149 | |
| PK1401C | 1/2" | 1401C + 149 | |
| PK1402C | 1/2" | 1402C + 149 | |
| PK1600C | 3/4" | 1600C + 152 | |
| PK1801C | 1" | 1801C + 152 | |

Puller

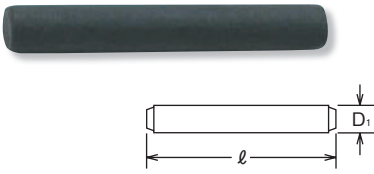
| No. | □ | 📦 (pcs.) |
|-----|-----------|----------|
| 149 | 3/8" 1/2" | 10 |
| 152 | 3/4" 1" | 10 |



149

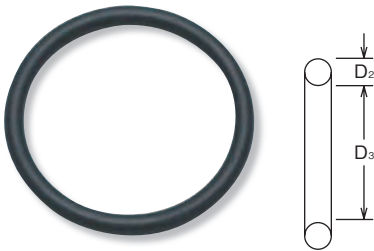


152



Pin

| No. | □ | Opening (mm) | D 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 size | Sq.Dr. | 1/4" | 3/8" | | | 1/2" | | 3/4" | | 1" | | 1-1/2" | |
|---|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|
| | C-Ring | | 1301C | 1302C | 1401C | 1402C | 1600C | 1801C | 1801C | 1802C | 1700C | | |
| | O-Ring/Pin | 1200A/B | 1301A/B | 1302A/B | 1401A/B | 1402A/B | 1601A/B | 1602A/B | 1801A/B | 1802A/B | 1701A/B | 1702A/B | |
| 4 | | ● | | | | | | | | | | | |
| 4.5 | 3/16 | ● | | | | | | | | | | | |
| 5 | | ● | | | | | | | | | | | |
| 5.5 | | ● | | | | | | | | | | | |
| 6 | 1/4 | ● | ● | | | | | | | | | | |
| 7 | 9/32 | ● | ● | | | | | | | | | | |
| 8 | 5/16 | ● | ● | | ● | | | | | | | | |
| 9 | 11/32 | ● | ● | | ● | | | | | | | | |
| 10 | 3/8 | ● | ● | | ● | | | | | | | | |
| 11 | 7/16 | ● | ● | | ● | | | | | | | | |
| 12 | | ● | ● | | ● | | | | | | | | |
| 13 | 1/2 | ● | | ● | ● | | | | | | | | |
| 14 | 9/16 | ● | | ● | ● | | | | | | | | |
| 15 | | | | ● | ● | ● | | | | | | | |
| 16 | 5/8 | | | ● | ● | ● | | | | | | | |
| 17 | 11/16 | | | ● | ● | ● | ● | | ● | | | | |
| 18 | | | | ● | ● | ● | ● | ● | ● | | | | |
| 19 | 3/4 | | | ● | ● | ● | ● | ● | ● | | | | |
| 20 | | | | ● | ● | ● | ● | ● | ● | | | | |
| 21 | 13/16 | | | ● | ● | ● | ● | ● | ● | | | | |
| 22 | 7/8 | | | ● | ● | ● | ● | ● | ● | | | | |
| 23 | | | | ● | ● | ● | ● | ● | ● | | | | |
| 24 | 15/16 | | | ● | ● | ● | ● | ● | ● | | | | |
| 25 | 1 | | | | ● | ● | ● | ● | ● | | | | |
| 26 | | | | | ● | ● | ● | ● | ● | | | | |
| 27 | 1- 1/16 | | | | ● | ● | ● | ● | ● | | | | |
| 28 | | | | | ● | ● | ● | ● | ● | | | | |
| 29 | 1- 1/8 | | | | ● | ● | ● | ● | ● | | | | |
| 30 | 1- 3/16 | | | | ● | ● | ● | ● | ● | | | | |
| 31 | | | | | ● | ● | ● | ● | ● | | | | |
| 32 | 1- 1/4 | | | | ● | ● | ● | ● | ● | | | | |
| 33 | 1- 5/16 | | | | ● | ● | ● | ● | ● | | | | |
| 34 | 1- 3/8 | | | | ● | ● | ● | ● | ● | | | | |
| 36 | | | | | ● | ● | ● | ● | ● | | | | |
| 37 | 1- 7/16 | | | | ● | ● | ● | ● | ● | | | | |
| 38 | 1- 1/2 | | | | ● | ● | ● | ● | ● | | | | |
| 39 | | | | | ● | ● | ● | ● | ● | | | | |
| 40 | 1- 9/16 | | | | ● | ● | ● | ● | ● | | | | |
| 41 | 1- 5/8 | | | | ● | ● | ● | ● | ● | | | | |
| 42 | | | | | ● | ● | ● | ● | ● | | ● | | |
| 43 | 1- 11/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 44 | | | | | ● | ● | ● | ● | ● | | ● | | |
| 45 | 1- 3/4 | | | | ● | ● | ● | ● | ● | | ● | | |
| 46 | 1- 13/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 47 | | | | | ● | ● | ● | ● | ● | | ● | | |
| 48 | 1- 7/8 | | | | ● | ● | ● | ● | ● | | ● | | |
| | 1- 15/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 50 | | | | | ● | ● | ● | ● | ● | | ● | | |
| | 2 | | | | ● | ● | ● | ● | ● | | ● | | |
| 52 | 2- 1/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 54 | 2- 1/8 | | | | ● | ● | ● | ● | ● | | ● | | |
| 55 | 2- 3/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 56 | | | | | ● | ● | ● | ● | ● | | ● | | |
| | 2- 1/4 | | | | ● | ● | ● | ● | ● | | ● | | |
| 58 | 2- 5/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 60 | 2- 3/8 | | | | ● | ● | ● | ● | ● | | ● | | |
| 62 | 2- 7/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 63 | | | | | ● | ● | ● | ● | ● | | ● | | |
| | 2- 1/2 | | | | ● | ● | ● | ● | ● | | ● | | |
| 65 | 2- 9/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 67 | 2- 5/8 | | | | ● | ● | ● | ● | ● | | ● | | |
| 68 | 2- 11/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 70 | 2- 3/4 | | | | ● | ● | ● | ● | ● | | ● | | |
| | 2- 13/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| | 2- 7/8 | | | | ● | ● | ● | ● | ● | | ● | | |
| 75 | 2- 15/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| | 3 | | | | ● | ● | ● | ● | ● | | ● | | |
| | 3- 1/16 | | | | ● | ● | ● | ● | ● | | ● | | |
| 80 | 3- 1/8 | | | | ● | ● | ● | ● | ● | | ● | | |
| | 3- 1/4 | | | | ● | ● | ● | ● | ● | | ● | | |
| 85 | | | | | ● | ● | ● | ● | ● | | ● | | |
| | 3- 3/8 | | | | ● | ● | ● | ● | ● | | ● | | |
| 90 | 3- 1/2 | | | | ● | ● | ● | ● | ● | | ● | | |
| | 3- 5/8 | | | | ● | ● | ● | ● | ● | | ● | | |
| 95 | 3- 3/4 | | | | ● | ● | ● | ● | ● | | ● | | |
| 100 | 3- 7/8 | | | | ● | ● | ● | ● | ● | | ● | | |
| 105 | 4 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| | 4- 1/8 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| 110 | 4- 1/4 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| 115 | 4- 1/2 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| 120 | 4- 5/8 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| | 4- 3/4 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| 125 | 4- 7/8 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| 130 | 5 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| 135 | 5- 1/4 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| 140 | | | | | ● | ● | ● | ● | ● | | ● | | ● |
| 150 | | | | | ● | ● | ● | ● | ● | | ● | | ● |
| | 6 | | | | ● | ● | ● | ● | ● | | ● | | ● |
| | 6- 1/2 | | | | ● | ● | ● | ● | ● | | ● | | ● |

INDUSTRIAL SOCKETS

STECKSCHLÜSSEL, INDUSTRIE-AUSFÜHRUNG
CLÉS À DOUILLE, FINISSAGE INDUSTRIEL

1/4"

3/8"

1/2"



Industrial Sockets

Steckschlüssel, Industrie-Ausführung

Clés à douille, finissage industriel

1/4"

BITS, NUT SETTERS AND ADAPTORS

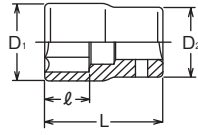
IMPACT SOCKETS



SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

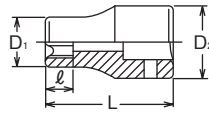
TOOLS FOR CONSTRUCTION SITES



22400M 6-point Sockets 6-kant Steckschlüssel Douilles 6-pans



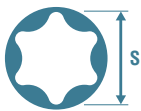
| 22400M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) |  (g) |  (pcs.) |
|-------------|---------------------|---------------------|--------|--------|---|--|
| 6 | 9.2 | 11.2 | 5.5 | 22 | 9 | 10 |
| 7 | 10.3 | 11.2 | 6 | 22 | 9 | 10 |
| 8 | 11.2 | 11.7 | 6.9 | 22 | 11 | 10 |
| 10 | 14.3 | 12.9 | 7.7 | 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®



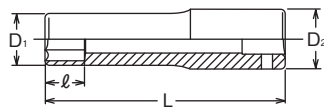
| 22425 (E) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) |  (g) |  (pcs.) |
|-----------|---------------------|---------------------|--------|--------|---|--|
| E 4 | 5.4 | 11.2 | 4.6 | 22 | 7 | 10 |
| E 5 | 6.7 | 11.2 | 5.2 | 22 | 8 | 10 |
| E 6 | 7.7 | 11.2 | 5.4 | 22 | 8 | 10 |
| E 7 | 8.3 | 11.2 | 6.6 | 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.

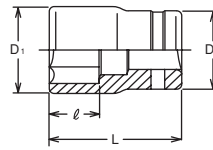
Bei den Industrial Steckschlüsseln handelt es sich um dünnwandige Werkzeuge, die ausschliesslich auf pneumatischen und elektrischen Drehschraubern (nicht schlagend) verwendet werden dürfen.

Les douilles Industrial à paroi mince ne doivent être utilisées que sur des vis à fixer par visseuses (non-chocs).

23400M / 23400A

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

| | 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 |

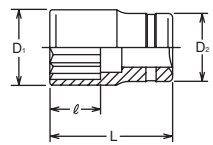


| | 23400A (inch) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|--|---------------|---------------------|---------------------|--------|--------|-----|--------|
| | 5/16 | 12 | 17.3 | 6.9 | 26 | 22 | 10 |
| | 3/8 | 13.9 | 17.3 | 8 | 26 | 22 | 10 |
| | 7/16 | 15.8 | 17.3 | 9.3 | 26 | 25 | 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

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

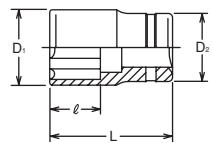
| | 23405M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|-----|-------------|---------------------|---------------------|--------|--------|-----|--------|
| New | 8 | 12 | 17.3 | 6.9 | 26 | 22 | 10 |
| New | 10 | 14.5 | 17.3 | 8 | 26 | 24 | 10 |
| New | 12 | 16.8 | 17.3 | 9 | 26 | 25 | 10 |
| New | 14 | 19.5 | 18.5 | 11 | 27 | 31 | 10 |



23410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

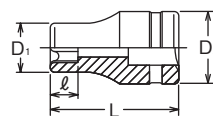
| | 23410M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|-----|-------------|---------------------|---------------------|--------|--------|-----|--------|
| New | 8 | 12 | 17.3 | 6.9 | 26 | 22 | 10 |
| New | 10 | 14.5 | 17.3 | 8 | 26 | 24 | 10 |
| New | 12 | 16.8 | 17.3 | 9 | 26 | 25 | 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

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®

| | 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 |



Industrial Sockets

Steckschlüssel, Industrie-Ausführung

Clés à douille, finissage industriel

3/8"

BITS, NUT SETTERS AND ADAPTORS

IMPACT SOCKETS

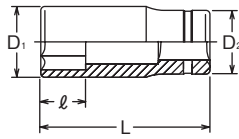
SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

23300M / 23300A

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

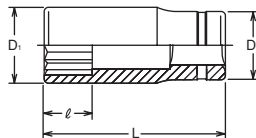


| 23300M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|-------------|---------------------|---------------------|--------|--------|-----|--------|
| 8 | 12 | 17.4 | 9 | 55 | 45 | 10 |
| 10 | 14.5 | 17.4 | 11 | 55 | 52 | 10 |
| 11 | 16 | 17.2 | 12 | 55 | 55 | 10 |
| 12 | 16.8 | 17.2 | 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

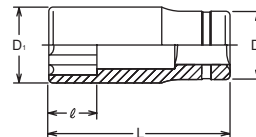
12-point Deep Sockets
12-kant Steckschlüssel, lang
Douilles longues 12-pans



| 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

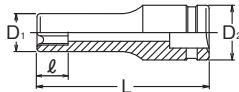
Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive



| 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

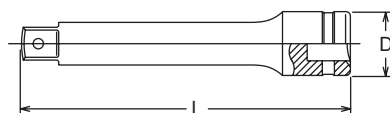
TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



| 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 |

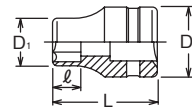
| 24405M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|-------------|---------------------|---------------------|--------|--------|-----|--------|
| New 10 | 15.3 | 21 | 9 | 37 | 45 | 10 |
| New 12 | 17.8 | 21 | 10 | 37 | 47 | 10 |
| New 14 | 20.3 | 22 | 11 | 37 | 56 | 10 |
| New 17 | 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 |

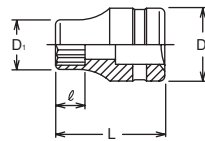
24400M / 24400A

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



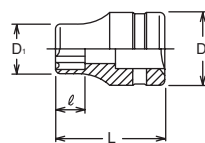
24405M

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



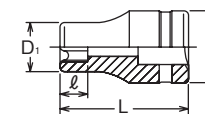
24410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

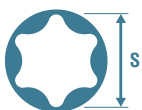


24425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



TORX® (E)



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

Industrial Sockets
Steckschlüssel, Industrie-Ausführung
Clés à douille, finissage industriel

1/2"

BITS, NUT SETTERS AND ADAPTORS

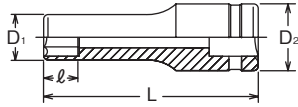
IMPACT SOCKETS

SLEEVE-DRIVE SOCKETS

INDUSTRIAL SOCKETS

TOOLS FOR CONSTRUCTION SITES

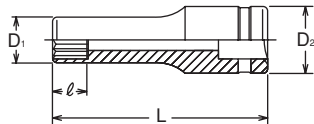
24300M / 24300A  6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



| 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 |

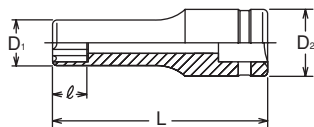
| 24300A (inch) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|---------------|---------------------|---------------------|--------|--------|-----|--------|
| 7/16 | 16.5 | 21 | 12 | 77 | 95 | 10 |
| 1/2 | 19 | 21.8 | 14 | 77 | 107 | 10 |
| 9/16 | 20.3 | 21.8 | 15 | 77 | 118 | 10 |
| 5/8 | 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



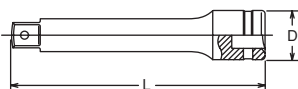
| 24305M (mm) | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|-------------|---------------------|---------------------|--------|--------|-----|--------|
| New 10 | 15.3 | 21 | 11 | 77 | 91 | 10 |
| New 12 | 17.8 | 21 | 13 | 77 | 99 | 10 |
| New 14 | 20.3 | 21.8 | 16 | 77 | 118 | 10 |
| New 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

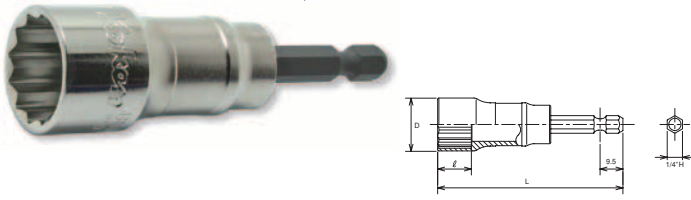


| 24760 | D (mm) | L (mm) | (g) | (pcs.) |
|----------|--------|--------|-----|--------|
| New 75P | 24 | 75 | 140 | 10 |
| New 125P | 24 | 125 | 200 | 5 |
| New 250P | 24 | 250 | 370 | 5 |

**TOOLS FOR CONSTRUCTION SITES
WERKZEUGE FÜR DAS BAUWERBE
OUTILLAGE POUR L'INDUSTRIE DU BÂTIMENT**



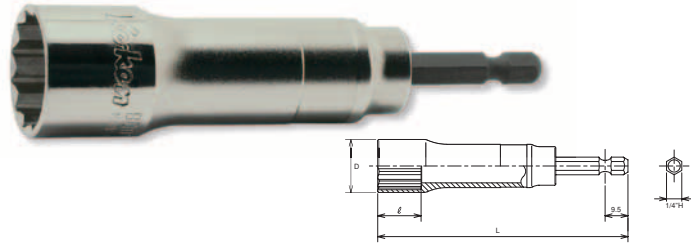
BD014SE  12-point Nut Setters
 12-kant Steckschlüsselklingen
 Douilles 12-pans à embout



| 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 |

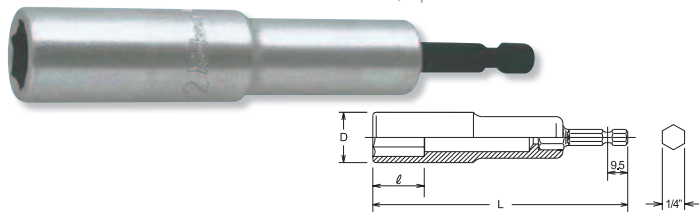
◆ DIN 3126 Form E 6.3

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 |

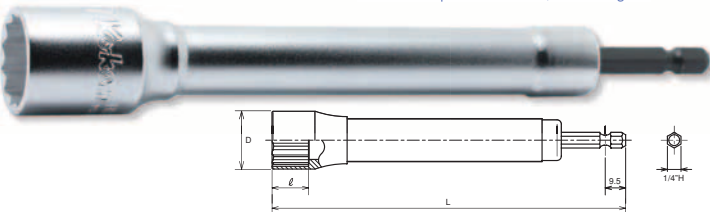
ANBD007E  6-point Nut Setters, Aluminium alloyed
 6-kant Aluminium Steckschlüssel Klingen
 Douilles en aluminium, 6-pans à embouts



| 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

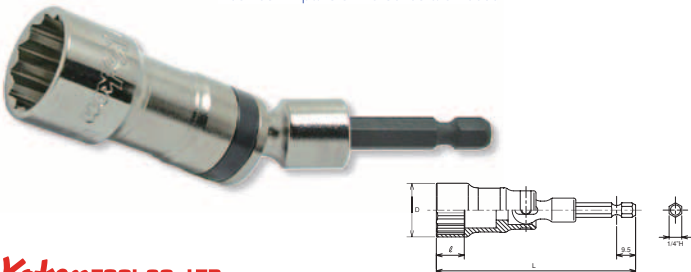
BD008E-165 (12P)  12-point Nut Setter, extra long
 12-kant Steckschlüsselklinge, extra lang
 Douilles 12-pans à embout, extra longues



| 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 |

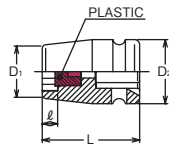
◆ DIN 3126 Form E 6.3

| BD14400MJ (mm) | | D ₁ (mm) | D ₂ (mm) | ℓ (mm) | L (mm) | | | |
|-------------------|------|------------------------|------------------------|-----------|-----------|-----|----|----|
| 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

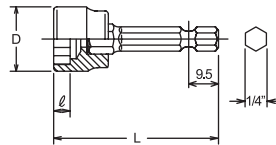


| BD016E (mm) | D (mm) | ℓ (mm) | L (mm) | | |
|----------------|-----------|-----------|-----------|----|----|
| 13 | 19.5 | 4 | 50 | 43 | 10 |
| 17 | 24.5 | 5 | 50 | 56 | 10 |
| 19 | 27 | 6 | 50 | 68 | 10 |

◆ DIN 3126 Form E 6.3

BD016E

6-point Sockets for Anchor Screws
6-kant Steckschlüssel
Douilles 6-pans

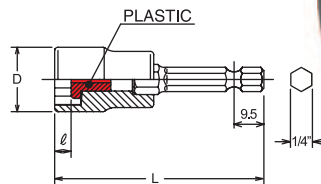


| BD016JE (mm) | D (mm) | ℓ (mm) | L (mm) | | |
|-----------------|-----------|-----------|-----------|----|----|
| 13 | 19.5 | 5 | 60 | 66 | 10 |
| 17 | 24.5 | 6.5 | 60 | 80 | 10 |
| 19 | 27 | 7.5 | 60 | 90 | 10 |

◆ 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

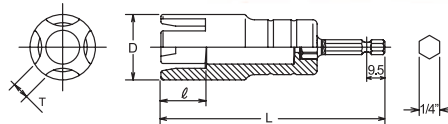


| BD017E | D (mm) | T (mm) | ℓ (mm) | L (mm) | | |
|--------|-----------|-----------|-----------|-----------|-----|----|
| | 31 | 7.3 | 21 | 104 | 158 | 10 |

◆ 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

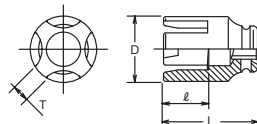


| BD018 | | D (mm) | T (mm) | ℓ (mm) | L (mm) | | | |
|-------|------|-----------|-----------|-----------|-----------|-----|----|----|
| | 3/8" | 31 | 7.3 | 21 | 45 | 113 | 10 | *1 |

*1 C-Ring=1302C, Pin/O-Ring=1401A/B → P98-99

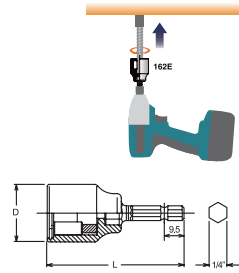
BD018

Wing Bolt Socket
Steckschlüssel für Flügelschrauben
Douilles pour écrous à oreilles



BITS, NUT SETTERS AND ADAPTORS

162E  Stud Setters
 Stehbolzeneindreher
 Monte-goujons **PATENTED**

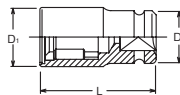


| 162E (mm) | D (mm) | L (mm) | (g) | (pcs.) |
|-----------|--------|--------|-----|--------|
| 8 | 23 | 66 | 82 | 10 |
| 10 | 27.9 | 66 | 107 | 10 |

| 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

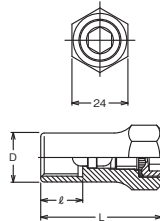
BD004  Impact Screw and Stud Setters
 Impact Stehbolzeneindreher
 Monte goujons, Impact



| 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 |

IMPACT SOCKETS

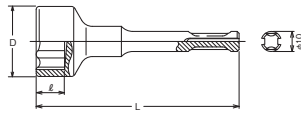
HA001  Stud Setters
 Stehbolzeneindreher
 Monte-goujons **PATENTED**



| 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 |

SLEEVE-DRIVE SOCKETS

HA003  Drive Part
 Antriebsteil
 Propulseur



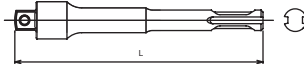
| HA003 (mm) | D (mm) | ℓ (mm) | L (mm) | (g) | (pcs.) |
|------------|--------|--------|--------|-----|--------|
| 24 | 34.5 | 14 | 100 | 155 | 10 |

Socket for HA001



INDUSTRIAL SOCKETS

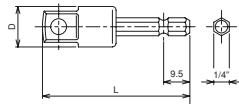
BD022-120P  Hammer Drill Adaptor
 Adapter für Schlagbohrmaschinen
 Adaptateur pour aléseuses



| BD022-120P | □ | L (mm) | (g) | (pcs.) |
|------------|------|--------|-----|--------|
| 3/8 | 3/8" | 120 | 100 | 10 |
| 1/2 | 1/2" | 120 | 160 | 10 |

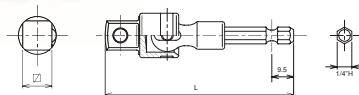
TOOLS FOR CONSTRUCTION SITES

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 |



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Conversion Table: American Inches-Decimal Inches-Millimeter

| in | dec.in. | 0" | 1" | 2" | 3" | 4" | 5" | 6" | 7" | 8" | 9" | 10" | 11" |
|-------|---------|----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | Millimeter(mm) | | | | | | | | | | | |
| | 0 | 0 | 25.4000 | 50.8000 | 76.2000 | 101.6000 | 127.0000 | 152.4000 | 177.8000 | 203.2000 | 228.6000 | 254.0000 | 279.4000 |
| 1/64 | 0.01563 | 0.3969 | 25.7969 | 51.1969 | 76.5969 | 101.9969 | 127.3969 | 152.7969 | 178.1969 | 203.5969 | 228.9969 | 254.3969 | 279.7969 |
| 1/32 | 0.03125 | 0.7938 | 26.1938 | 51.5938 | 76.9938 | 102.3938 | 127.7938 | 153.1938 | 178.5938 | 203.9938 | 229.3938 | 254.7938 | 280.1938 |
| 3/64 | 0.04688 | 1.1906 | 26.5906 | 51.9906 | 77.3906 | 102.7906 | 128.1906 | 153.5906 | 178.9906 | 204.3906 | 229.7906 | 255.1906 | 280.5906 |
| 1/16 | 0.06250 | 1.5875 | 26.9875 | 52.3875 | 77.7875 | 103.1875 | 128.5875 | 153.9875 | 179.3875 | 204.7875 | 230.1875 | 255.5875 | 280.9875 |
| 5/64 | 0.07813 | 1.9844 | 27.3844 | 52.7844 | 78.1844 | 103.5844 | 128.9844 | 154.3844 | 179.7844 | 205.1844 | 230.5844 | 255.9844 | 281.3844 |
| 3/32 | 0.09375 | 2.3813 | 27.7813 | 53.1813 | 78.5813 | 103.9813 | 129.3813 | 154.7813 | 180.1813 | 205.5813 | 230.9813 | 256.3813 | 281.7813 |
| 7/64 | 0.10938 | 2.7781 | 28.1781 | 53.5781 | 78.9781 | 104.3781 | 129.7781 | 155.1781 | 180.5781 | 205.9781 | 231.3781 | 256.7781 | 282.1781 |
| 1/8 | 0.12500 | 3.1750 | 28.5750 | 53.9750 | 79.3750 | 104.7750 | 130.1750 | 155.5750 | 180.9750 | 206.3750 | 231.7750 | 257.1750 | 282.5750 |
| 9/64 | 0.14063 | 3.5719 | 28.9719 | 54.3719 | 79.7719 | 105.1719 | 130.5719 | 155.9719 | 181.3719 | 206.7719 | 232.1719 | 257.5719 | 282.9719 |
| 5/32 | 0.15625 | 3.9688 | 29.3688 | 54.7688 | 80.1688 | 105.5688 | 130.9688 | 156.3688 | 181.7688 | 207.1688 | 232.5688 | 257.9688 | 283.3688 |
| 11/64 | 0.17188 | 4.3656 | 29.7656 | 55.1656 | 80.5656 | 105.9656 | 131.3656 | 156.7656 | 182.1656 | 207.5656 | 232.9656 | 258.3656 | 283.7656 |
| 3/16 | 0.18750 | 4.7625 | 30.1625 | 55.5625 | 80.9625 | 106.3625 | 131.7625 | 157.1625 | 182.5625 | 207.9625 | 233.3625 | 258.7625 | 284.1625 |
| 13/64 | 0.20313 | 5.1594 | 30.5594 | 55.9594 | 81.3594 | 106.7594 | 132.1594 | 157.5594 | 182.9594 | 208.3594 | 233.7594 | 259.1594 | 284.5594 |
| 7/32 | 0.21875 | 5.5563 | 30.9563 | 56.3563 | 81.7563 | 107.1563 | 132.5563 | 157.9563 | 183.3563 | 208.7563 | 234.1563 | 259.5563 | 284.9563 |
| 15/64 | 0.23438 | 5.9531 | 31.3531 | 56.7531 | 82.1531 | 107.5531 | 132.9531 | 158.3531 | 183.7531 | 209.1531 | 234.5531 | 259.9531 | 285.3531 |
| 1/4 | 0.25000 | 6.3500 | 31.7500 | 57.1500 | 82.5500 | 107.9500 | 133.3500 | 158.7500 | 184.1500 | 209.5500 | 234.9500 | 260.3500 | 285.7500 |
| 17/64 | 0.26563 | 6.7469 | 32.1469 | 57.5469 | 82.9469 | 108.3469 | 133.7469 | 159.1469 | 184.5469 | 209.9469 | 235.3469 | 260.7469 | 286.1469 |
| 9/32 | 0.28125 | 7.1438 | 32.5438 | 57.9438 | 83.3438 | 108.7438 | 134.1438 | 159.5438 | 184.9438 | 210.3438 | 235.7438 | 261.1438 | 286.5438 |
| 19/64 | 0.29688 | 7.5406 | 32.9406 | 58.3406 | 83.7406 | 109.1406 | 134.5406 | 159.9406 | 185.3406 | 210.7406 | 236.1406 | 261.5406 | 286.9406 |
| 5/16 | 0.31250 | 7.9375 | 33.3375 | 58.7375 | 84.1375 | 109.5375 | 134.9375 | 160.3375 | 185.7375 | 211.1375 | 236.5375 | 261.9375 | 287.3375 |
| 21/64 | 0.32813 | 8.3344 | 33.7344 | 59.1344 | 84.5344 | 109.9344 | 135.3344 | 160.7344 | 186.1344 | 211.5344 | 236.9344 | 262.3344 | 287.7344 |
| 11/32 | 0.34375 | 8.7313 | 34.1313 | 59.5313 | 84.9313 | 110.3313 | 135.7313 | 161.1313 | 186.5313 | 211.9313 | 237.3313 | 262.7313 | 288.1313 |
| 23/64 | 0.35938 | 9.1281 | 34.5281 | 59.9281 | 85.3281 | 110.7281 | 136.1281 | 161.5281 | 186.9281 | 212.3281 | 237.7281 | 263.1281 | 288.5281 |
| 3/8 | 0.37500 | 9.5250 | 34.9250 | 60.3250 | 85.7250 | 111.1250 | 136.5250 | 161.9250 | 187.3250 | 212.7250 | 238.1250 | 263.5250 | 288.9250 |
| 25/64 | 0.39063 | 9.9219 | 35.3219 | 60.7219 | 86.1219 | 111.5219 | 136.9219 | 162.3219 | 187.7219 | 213.1219 | 238.5219 | 263.9219 | 289.3219 |
| 13/32 | 0.40625 | 10.3188 | 35.7188 | 61.1188 | 86.5188 | 111.9188 | 137.3188 | 162.7188 | 188.1188 | 213.5188 | 238.9188 | 264.3188 | 289.7188 |
| 27/64 | 0.42188 | 10.7156 | 36.1156 | 61.5156 | 86.9156 | 112.3156 | 137.7156 | 163.1156 | 188.5156 | 213.9156 | 239.3156 | 264.7156 | 290.1156 |
| 7/16 | 0.43750 | 11.1125 | 36.5125 | 61.9125 | 87.3125 | 112.7125 | 138.1125 | 163.5125 | 188.9125 | 214.3125 | 239.7125 | 265.1125 | 290.5125 |
| 29/64 | 0.45313 | 11.5094 | 36.9094 | 62.3094 | 87.7094 | 113.1094 | 138.5094 | 163.9094 | 189.3094 | 214.7094 | 240.1094 | 265.5094 | 290.9131 |
| 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 | 484.1875 | 509.5875 | 534.9875 | 560.3875 | 585.7875 |
| 3/32 | 0.09375 | 307.1813 | | | | | | | | | | | |

| | | | | | | | | | |
|-------------|----------------|-----------------|--------|-----------|-----|-----------|----|--------------|-----|
| 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 | 165BM | 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 |
| 1213E | 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 | 16010M | 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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