KRAFTWERK®

FAVORITE TOOLS SINCE 1979

GENERAL COLLECTION

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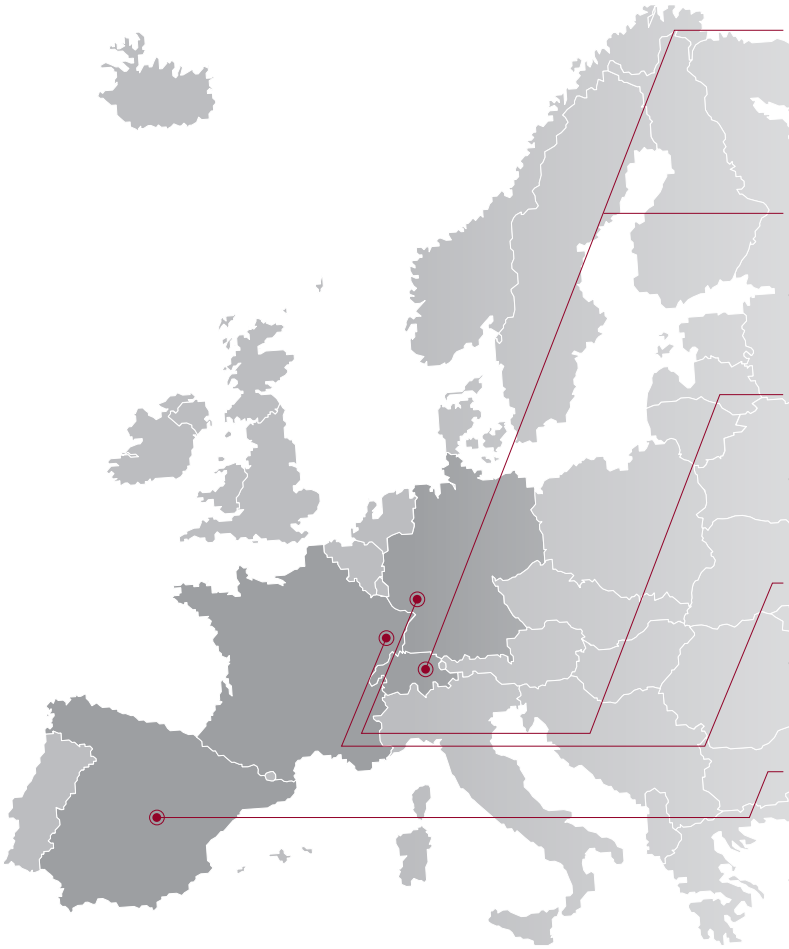
KRAFTWERK®

FAVORITE TOOLS SINCE 1979



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5 – 103 1

105 – 217 2

219 – 255 3

257 – 327 4

329 – 369 5

371 – 385 6

387 – 399 7

401 – 409 8

411 – 433 9

Your notes / *Sus notas* / Suas notas

CHAPTER
CAPÍTULO
CAPÍTULO

1

1

Chemical resistant ABS top compartment with storage partitions.

*Superficie de trabajo en **ABS** con compartimento para piezas pequeñas, **resistente a productos químicos.***

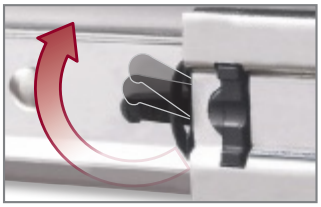
Topo em **ABS** com compartimentos, resistente aos produtos químicos.

2

One-finger operating and gently moving, **fully opening** ball bearing guided drawers, removable.

*Un solo dedo es suficiente para abrir totalmente cada cajón - **apertura total** de los cajones con sistema de rodamientos, extraíble.*

Um dedo apenas para **abrir totalmente** a gaveta, com sistema de rolamentos, removível.

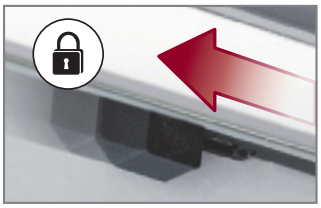


3

Single-handed, individual drawer locking device under the handle; the drawers are firmly locked also during the drive.

***Pestaña de cierre individual** de los cajones debajo de tiradores. Incluso durante el desplazamiento del carro los cajones quedan cerrados.*

Fechadura lateral individual por gaveta, abertura apenas com uma mão, gavetas devidamente fechadas mesmo durante o transporte.

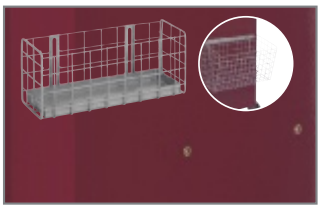


4

Wide range of accessories for direct mounting on the sturdy double wall construction of the tool cabinets.

Gran variedad de accesorios para montaje directo a la robusta construcción de doble pared de los carros.

Grande variedade de acessórios para instalação directa em parede dupla.



5

Handle strip with guide for **individual contents inscription**.

*Porta etiquetas para una **perfecta identificación del contenido**.*

Porta etiquetas para a **perfeita identificação do conteúdo**.

6

Central security locking system. Open drawers can also be pushed back in to closed cabinet.

Sistema de cierre central. Los cajones se pueden empujar hasta el final incluso en la posición cerrada.

Sistema de fechadura central. As gavetas abertas podem ser fechadas mesmo na posição de fechado.

7

High performance ball bearing guided wheels for optimal manoeuvre. Swivel rollers with brake-system.

***Ruedas de alta calidad con rodamientos** para una mejor maniobra. Ruedas pivote con sistema de frenado.*

Rodas de alta performance com rolamentos para manuseamento ágil. Rodas guia com travão.

1
6
COMPLETO
2
3
4
5
KRAFTWERK
7

Tool cabinet
Carro taller
Carro de ferramentas

Art.	
3907-1	6

	L1 / mm	L2 / mm	L3 / mm	kg
	646	483	973	215
Top	646	483	25	50
A	533	414	70	25
B	533	414	110	30
C	533	414	230	30

Tool cabinet
Carro taller
Carro de ferramentas

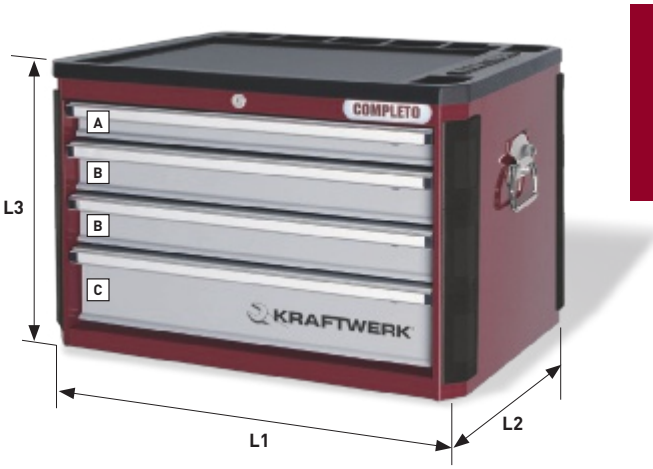
Art.	
3908	8

	L1 / mm	L2 / mm	L3 / mm	kg
	646	483	973	265
Top	646	483	25	50
A	533	414	60	25
B	533	414	110	30

Chest top for tool cabinets
Armario para carro
Baú para carro

Art.	
3905	4

	L1 / mm	L2 / mm	L3 / mm	kg
	646	483	973	130
Top	646	483	25	30
A	533	414	48	20
B	533	414	70	25
C	533	414	110	30



Fits for
Apropiado para
Encaixa em

3907-1

3908

EXTRA LARGO
Rolling work bench / extra long tool cabinet

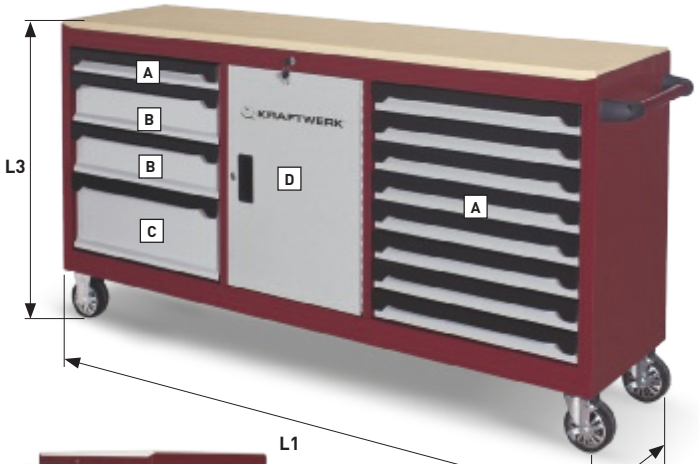
with 12 bearing guided, single locking drawers, 9 of them optimally fitting for min. 27 COMPLETO tool-trays
- Compartment with door and 2 adjustable shelves
- Central locking
- 25 mm thick multiplex ply board, made in Germany
- 4 industrial PP-wheels, 2 fix and 2 steerable, with brakes
- Capacity: 30-35 kg each drawer
- Static carrying capacity: 450-500 kg.

EXTRA LARGO
Banco-carro extra largo

de 12 guías con rodamientos, cerradura individual para cada cajón, 9 cajones adaptados para 27 bandejas COMPLETO
- *Compartimento con puerta y 2 estantes ajustables*
- *Cerradura central*
- *Superficie de trabajo en multiplex, grosor 25 mm, fabricado en Alemania*
- *4 ruedas industriales de Polipropileno, 2 fijas y 2 giratorias, todas con frenos*
- *Capacidad: 30-35 kg por cajón*
- *Capacidad de carga estática: 450-500 kg.*

EXTRA LARGO
Carro bancada extra largo

com 12 guias de rolamentos, tranca individual para cada gaveta, 9 gavetas adaptadas para 27 bandejas COMPLETO.
- Compartimento com porta e 2 prateleiras ajustáveis
- Fecho centralizado
- Superfície de trabalho em Multiplex, espessura 25 mm
- 4 rodas industriais em polipropileno, 2 fixas e 2 giratórias, todas com travões
- Capacidade: 30-35 kg por gaveta
- Capacidade de carga estática: 450-500 kg.



Art.	kg
3936	**10**

	L1 / mm	L2 / mm	L3 / mm	kg
	1800	459	25	580
Top	1800	459	25	200
A	568	413	66	30
B	568	413	145	30
C	568	413	224	30
D	459	454	638	30
Shelf	459	454	638	10

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Service workshop trolley
with large tool tray, gently opening and closing due to gas springs, 3 ball bearing drawers, large bottom compartment.

Carro taller
con una gran bandeja, abriendo y cerrando suavemente gracias a los resortes de gas, 3 cajones con rodamientos, amplio compartimento inferior.

Carro multiuso
com bandeja grande, abrindo e fechando suavemente graças a molas de gás, 3 gavetas com guias de rolamentos, grande compartimento inferior.

Art.	
3917	3

	L1 / mm	L2 / mm	L3 / mm	kg
	792	445	960	160
A	690	410	104	40
B	650	355	45	20
C	650	355	68	30
D	650	355	100	30
E	768	410	65	40

Tool cabinet
without tool-assortment

Carro
sin herramientas

Carro de ferramenta
sem ferramentas

Art.
3934

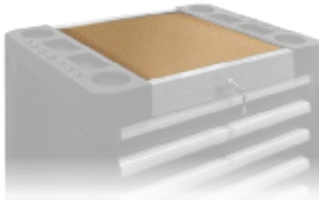
	L1 / mm	L2 / mm	L3 / mm	kg
	688	482	1013	235
Top	688	482	25	50
A	531	407	65	25
B	531	407	145	30

MDF top plate
for tool-cabinet 3934

Tablero MDF
para carro 3934

Painel MDF
para carro 3934

Art.
3934-99



432 × 428 × 16 mm

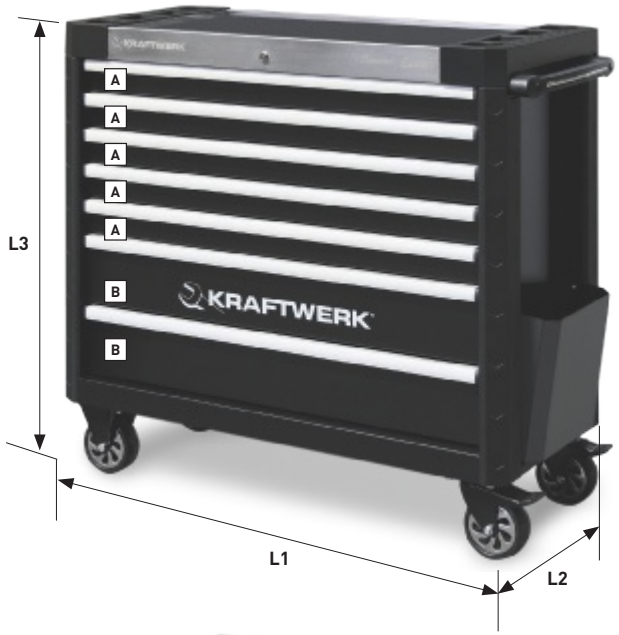
Tool cabinet
without tool-assortment

Carro
sin herramientas

Carro de ferramenta
sem ferramentas

Art.
3935

	L1 / mm	L2 / mm	L3 / mm	kg
	1044	482	1013	235
Top	1044	482	25	50
A	886	407	65	25
B	886	407	145	30



MDF top plate
for tool-cabinet 3935

Tablero MDF
para carro 3935

Painel MDF
para carro 3935

Art.
3935-99

788 × 428 × 16 mm

Tool cabinet
with bearing guided and single locking, full pull-out drawer with central locking.

Carro taller
con cajones completamente extraíbles, con sistema de rodamientos, bloqueo individual y cerradura central.

Carro de ferramentas
com gavetas extensíveis com guias de rolamentos e trancas individuais e fecho centralizado.

Art.	
2905	5

	L1 / mm	L2 / mm	L3 / mm	kg
	695	475	1012	200
Top	533	408	25	50
A	536	410	60	25
B	536	410	124	30
C	536	410	172	30

Tool cabinet
with bearing guided and single locking, full pull-out drawer with central locking.

Carro taller
con cajones completamente extraíbles, con sistema de rodamientos, bloqueo individual y cerradura central.

Carro de ferramentas
com gavetas extensíveis com guias de rolamentos e trancas individuais e fecho centralizado.

Art.	
2907	7

	L1 / mm	L2 / mm	L3 / mm	kg
	695	475	885	240
Top	533	408	25	50
A	536	410	45	25
B	536	410	60	30
C	536	410	172	30

Top chest for tool cabinets Racing
with bearing guided and single locking, fully pull-out drawer with central locking.

Armario para carros Racing
con cajones completamente extraíbles, con sistema de rodamientos, bloqueo individual y cerradura central.

Baú para carros Racing
com gavetas extensíveis com guias de rolamentos e trancas individuais e fecho centralizado.

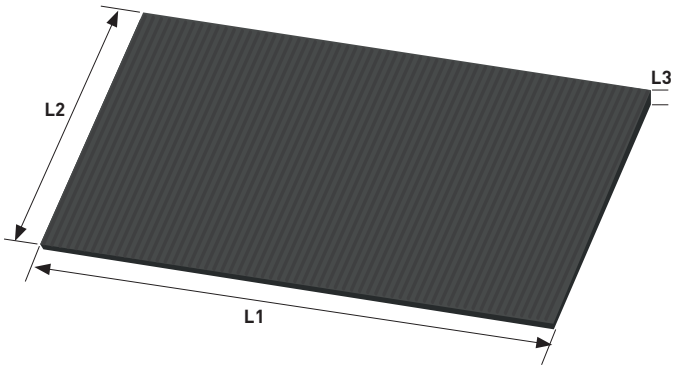
Art.	
2904	3

	L1 / mm	L2 / mm	L3 / mm	kg
	695	475	345	115
Top	533	408	25	30
A	536	410	60	25

Fits for
Apropiado para
Encaixa em

Rubber mat for drawers
Alfombrilla de goma para cajones
Tapete de borracha para gavetas

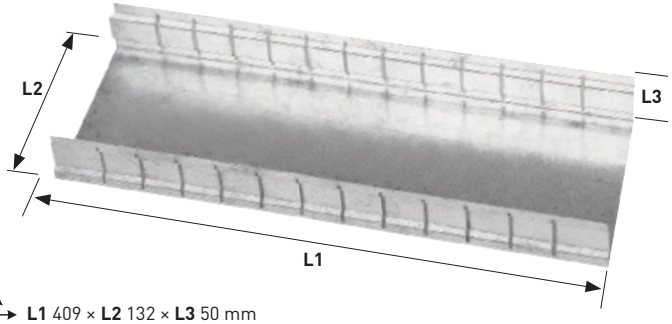
Art.	
3918	3907-1 / 3908 / 3905 3934 / 2905 / 2907 / 2904



L1 530 × **L2** 405 × **L3** 2 mm

Drawer divider insert
made of galvanized metal sheet
Divisores "U" para cajones
de acero galvanizado
Divisor em "U" para gaveta
em chapa de metal galvanizado

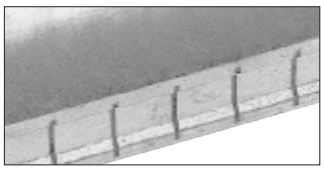
Art.	
3919	3907-1 / 3908 / 3905

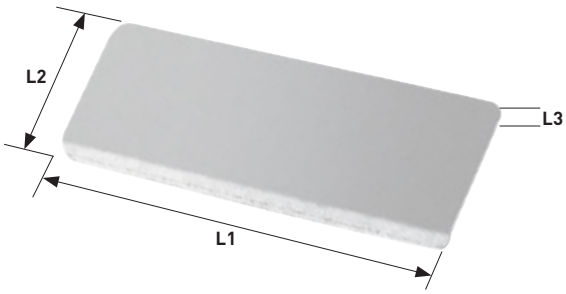


L1 409 × **L2** 132 × **L3** 50 mm

Drawer divider
for 3919, made of galvanized metal sheet
Divisores para cajones
para 3919, de acero galvanizado
Divisória para gavetas
para 3919, em chapa de metal galvanizado

Art.	
3920	3907-1 / 3908 / 3905

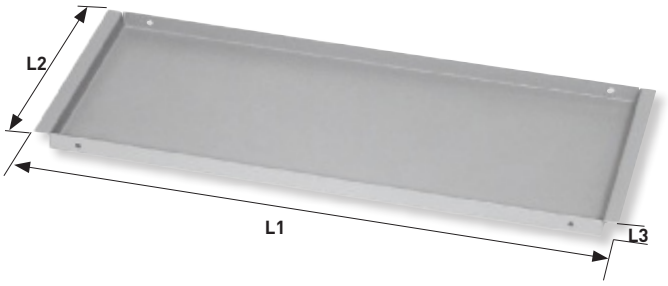




L1 129 × **L2** 50 × **L3** 1.2 mm

Drawer compartment, flat
Bandeja fina cajón
Compartimento liso para gaveta

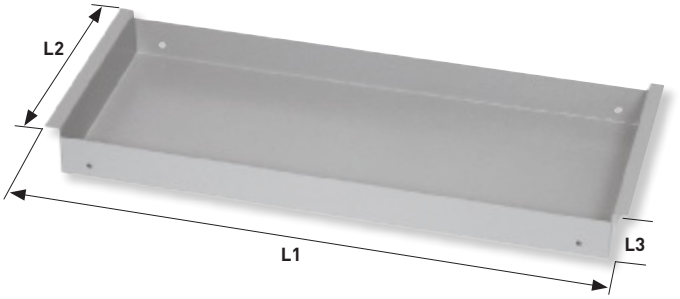
Art.	
3921	3907-1 / 3908 / 3905 / 3934 2905 / 2907 / 2904



L1 530 × **L2** 200 × **L3** 20 mm

Drawer compartment, deep
Bandeja profunda cajón
Compartimento fundo para gaveta

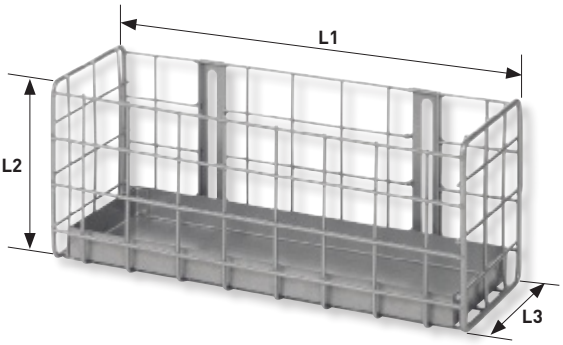
Art.	
3922	3907-1 / 3908 / 3905 2905 / 2907 / 2904



L1 530 × **L2** 200 × **L3** 45 mm

Outside basket
with tray
Cubeta
con fondo
Cesto exterior
com fundo

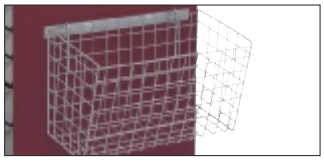
Art.	
3923	3907-1 / 3908

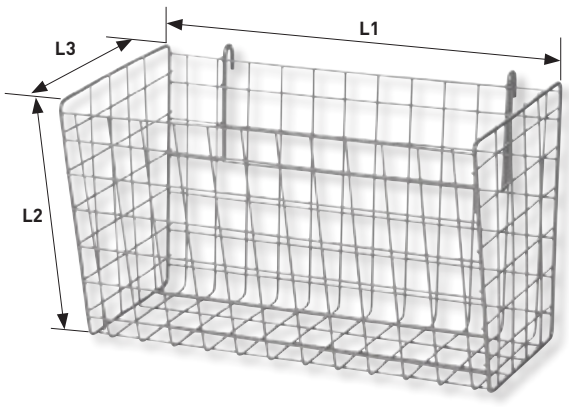


L1 280 × **L2** 115 × **L3** 95 mm

Universal basket
with holder
Cubeta universal
con soporte
Cesto universal
com suporte

Art.	
3924	3907-1 / 3908

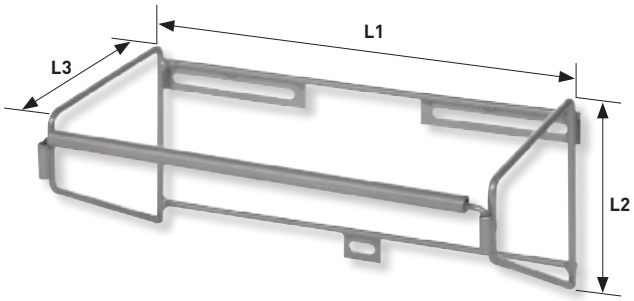




L1 365 × **L2** 220 × **L3** 215 mm

Holding device for cleaning cloth rolls
Portarrollos
Suporte para rolos de papel

Art.	
3925	3907-1 / 3908



L1 330 × **L2** 175 × **L3** 140 mm

Side table
with integrated roll-holder for notebooks or additional utility space.

Panel lateral abatible
con portarrollo integrado, para espacio adicional o para portátil.

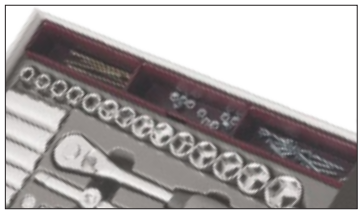
Mesa lateral
com porta rolos integrado, para computador portátil ou como espaço adicional.

Art.	
3927	3907-1 / 3908

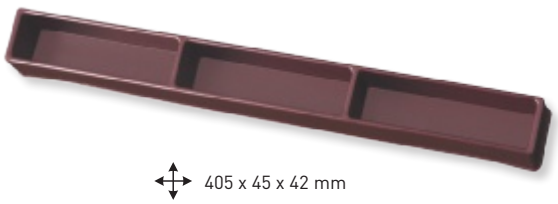
L1 385 × **L2** 380 × **L3** 375 mm

Tray set for small parts for 4920
Juego de bandejas piezas pequeñas para 4920
Jogo de bandejas vazias para pequenas peças para 4920

Art.	
3936ES	**3936**



9 PCS



405 x 45 x 42 mm

Side table for the KWR tool-cabinets
for notebooks or documents.

Panel lateral
espacio adicional para documentos o para portátil.

Mesa lateral
para computador portátil, documentos, etc.

Art.	
1927	2905 / 2907

L1 280 × **L2** 210 mm

Magnetic tray
stainless

Bandeja magnética
inox

Recipiente magnético
em aço inox

Art.	
2950	1200 g

Ø 150 × 40 × 40 mm

Magnetic tray
stainless

Bandeja magnética
inox

Recipiente magnético
em aço inox

Art.	
2951	2 × 1200 g

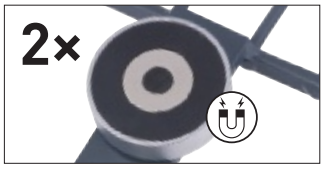
240 × 140 × 40 mm

Magnetic holder
for sockets and pneumatic tools

Soporte magnético
para herramientas neumáticas

Suporte magnético
para ferramentas pneumáticas

Art.
3929



L 400 x 130 x 150 mm

Protection cover for tool cabinet
Cubierta de protección para carros
Cobertura de protecção para carros

Art.	
3930	3907-1 / 3908 / 3934 / 2905 / 2907

73 × 55 × 89 mm

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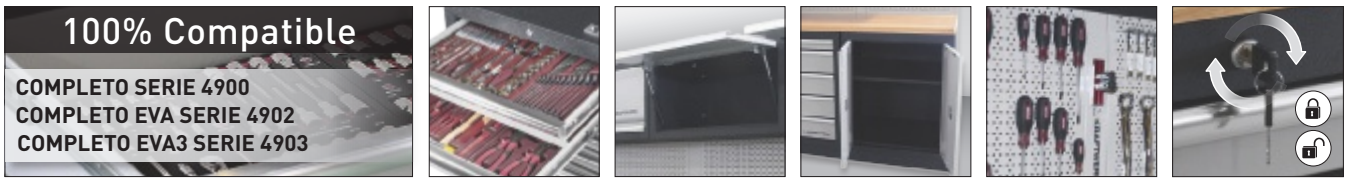
High quality
Modular elements workshop wall cabinet system

Alta calidad
Muebles modulares para taller

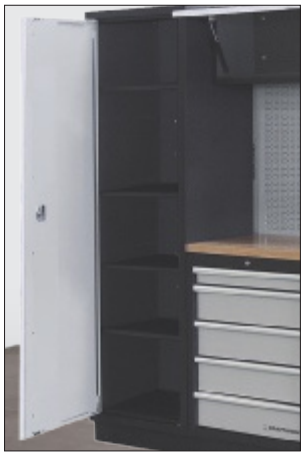
Alta qualidade
Sistema de armários modulares para oficina



Modular elements workshop wall cabinet system
Individual compilation. Freestanding construction, no fixtures and no walls necessary, very flexible to install. Each module can be ordered individually. Ball-bearing guided drawers of different heights, suitable for all KRAFTWERK-tool inserts (COMPLETO-hardshells, EVA, EVA3). Central locking system and single locking drawers. Tool wall panels with standard Euro perforation.

Muebles modulares para taller
Para un montaje personalizado en función de su necesidad. Construcción independiente, sin accesorios y muro de sujeción, instalación muy flexible. Cada módulo se puede pedir individualmente. Cajones de diferentes alturas, con guías de rodamientos de bola, apropiados para cualquier inserción KRAFTWERK (COMPLETO, EVA, EVA3) con cierre centralizado y cierre individual para cada cajón. Paneles con perforación estándar EURO.

Sistema de armários modulares para oficina
para montagem personalizada em função das suas necessidades. Construção independente, isenta de fixações e paredes para colocação, com bastante flexibilidade de instalação. Cada módulo pode ser encomendado individualmente. Gavetas com calhas de rolamentos de diferentes alturas, compatíveis com todos os módulos KRAFTWERK (COMPLETO, EVA, EVA3) e com tranca central bem como sistema de bloqueio individual. Paineis de parede com furação standard Euro.



3-Elements Storage System

2 Wall cabinets with gas spring
1 Locker with 4 shelves
1 2 door base cabinet with 1 shelf
1 5 drawer base cabinet
2 Hanging panels
1 Worktop

Mueble modular - 3 elementos

2 cajones abatibles con resortes a gas
1 armario alto con 4 baldas
1 armario bajo de 2 puertas con 1 balda
1 armario bajo con 5 cajones
2 paneles perforados de pared
1 superficie de trabajo

Móvel modular - 3 elementos

2 armários de parede com sistema hidráulico
1 armário alto com 4 prateleiras
1 estante com 2 portas com 1 prateleira
1 armário com 5 gavetas
2 painéis de pendurar ferramenta
1 topo

Art.	
3964A	With Multiplex worktop *Con superficie de trabajo Multiplex* Com topo multiplex de comprimento 1361 x 463 x 35 mm
3964AIX	With stainless top plate *Con superficie de trabajo en acero inoxidable* Com topo em aço inoxidável 1361 x 463 x 38 mm

4-Elements Storage System

3 Wall cabinets with gas spring
1 Locker with 4 shelves
1 2 doors base cabinet with 1 shelf
1 4 drawer base cabinet
1 5 drawer base cabinet
3 Hanging panels
1 Worktop

Mueble modular - 4 elementos

3 cajones abatibles con resortes a gas
1 armario alto con 4 baldas
1 armario bajo de 2 puertas con 1 balda
1 armario bajo con 4 cajones
1 armario bajo con 5 cajones
3 paneles perforados de pared
1 superficie de trabajo

Móvel modular - 4 elementos

3 armários de parede com sistema hidráulico
1 armário alto com 4 prateleiras
1 estante com 2 portas com 1 prateleira
1 armário com 4 gavetas
1 armário com 5 gavetas
3 painéis de pendurar ferramenta
1 topo

Art.	
3964B	With Multiplex worktop *Con superficie de trabajo Multiplex* Com topo multiplex de comprimento 2041 x 463 x 35 mm
3964BIX	With stainless top plate *Con superficie de trabajo en acero inoxidable* Com topo em aço inoxidável 2041.5 x 463 x 38 mm

4-Elements Storage System

3 Wall cabinets with gas spring
1 2 door locker with 4 shelves
1 9 drawer base cabinet
1 7 drawer rolling base cabinet
1 Base cabinet with waste bin/ kitchen roll
3 Hanging panels
1 Worktop

Mueble modular - 4 elementos

3 cajones abatibles con resortes a gas
1 armario alto de 2 puertas con 4 baldas
1 armario bajo con 9 cajones
1 armario bajo con 7 cajones y ruedas
1 armario bajo con cubo y portarollos
3 paneles perforados de pared
1 superficie de trabajo

Móvel modular - 4 elementos

3 armários de parede com sistema hidráulico
1 estante com 2 portas com 1 prateleira
1 armário com 9 gavetas
1 armário amovivel com 7 gavetas
1 base com caixote de lixo / rolo de papel
3 painéis de pendurar ferramenta
1 topo

Art.	
3964D	With Multiplex worktop *Con superficie de trabajo Multiplex* Com topo multiplex de comprimento 2041 x 463 x 35 mm
3964DIX	With stainless top plate *Con superficie de trabajo en acero inoxidable* Com topo em aço inoxidável 2041.5 x 463 x 38 mm

8-Elements Storage System

5 Wall cabinets with roller shutter
1 Corner wall cabinet with gas spring
1 Locker with 4 shelves
1 2 door locker with 4 shelves
1 2 door base cabinet with 1 shelf
1 1 door corner base cabinet
1 8 drawer base cabinet
1 4 drawer base cabinet
1 7 drawer rolling base cabinet
1 Base cabinet with waste bin/kitchen roll
4 Hanging panels
2 Hanging panels for 3964-16
3 Worktops

Mueble modular - 8 elementos

5 armarios altos con persiana
1 armario alto de esquina con resortes a gas
1 armario alto con 4 baldas
1 armario alto con 2 puertas y 4 baldas
1 armario con 2 puertas y 1 balda
1 armario de esquina con puerta
1 armario base con 8 cajones
1 armario base con 4 cajones
1 armario bajo con 7 cajones y ruedas
1 armario bajo con cubo y portarollos
4 paneles perforados de pared
2 paneles perforados de pared para 3964-16
3 superficies de trabajo

Móvel modular - 8 elementos

5 armários de parede com persiana
1 armário de canto com sistema hidráulico
1 armário alto com 4 prateleiras
1 armário de 2 portas com 4 prateleiras
1 armário de 2 portas com 1 prateleira
1 armário de canto com porta
1 armário com 8 gavetas
1 armário com 4 gavetas
1 armário amovivel com 7 gavetas
1 armário com cesto de lixo e suporte para rolo de papel
4 paineis perfurados
2 paineis perfurados para 3964-16
3 topo

Art.	
3964E	With Multiplex worktop *Con superficie de trabajo Multiplex* Com topo multiplex de comprimento 864 x 864 x 35 mm 1361 x 463 x 35 mm 2041 x 463 x 35 mm
3964EIX	With stainless top plate *Con superficie de trabajo en acero inoxidable* Com topo em aço inoxidável 865 x 865 x 38 mm 1361 x 463 x 38 mm 2041.5 x 463 x 38 mm

6-Elements Storage System

4 Wall cabinets with gas spring
2 Lockers with 4 shelves
1 2 door base cabinet with 1 shelf
1 4 drawer base cabinet
1 5 drawer base cabinet
1 9 drawer base cabinet
4 Hanging panels
2 Worktops

Mueble modular - 6 elementos

4 cajones abatibles con resortes a gas
2 armarios altos con 4 baldas
1 armario bajo de 2 puertas con 1 balda
1 armario bajo con 4 cajones
1 armario bajo con 5 cajones
1 armario bajo con 9 cajones
4 paneles perforados de pared
2 superficies de trabajo

Móvel modular - 6 elementos

4 armários de parede com sistema hidráulico
2 armários alto com 4 prateleiras
1 estante 2 portas com 1 prateleira
1 armário com 4 gavetas
1 armário com 5 gavetas
1 armário com 9 gavetas
4 painéis de pendurar ferramenta
2 topo

Art.	
3964F	With Multiplex worktop *Con superficie de trabajo Multiplex* Com topo multiplex de comprimento 2x 1361 x 463 x 35 mm
3964FIX	With stainless top plate *Con superficie de trabajo en acero inoxidable* Com topo em aço inoxidável 2x 1361 x 463 x 38 mm

Locker
with 4 shelf boards

Armario alto
con 4 baldas

Armário alto
com 4 prateleiras

Art.	kg
3964-02	40

600 × 458 × 2000 mm

Shelf board
for 3964-02

Balda para armario
para 3964-02

Prateleira
para 3964-02

Art.	kg
3964-02-07	40

590 × 430 × 20 mm

Locker
with 2 doors and 4 shelf boards

Armario de 2 puertas
y con 4 baldas

Cacifo
com duas portas e 4 prateleiras

Art.	kg
3964-12	40

915 × 458 × 2000 mm

Shelf board
for 3964-12

Balda para armario
para 3964-12

Prateleira
para 3964-12

Art.	kg
3964-12-01	40

905 × 430 × 20 mm

Base cabinet
with 2 doors and 1 shelf board

Armario bajo de 2 puertas
con 1 balda

Estante
com 2 portas com 1 prateleira

Art.	kg
3964-03	40

600 × 458 × 910 mm

Base cabinet
with 4 drawers

Armario bajo
con 4 cajones

Armário
com 4 gavetas

Art.
3964-04

	L1 / mm	L2 / mm	L3 / mm	kg
	680	458	910	115
A	560	404	58	25
B	560	404	138	30
C	560	404	207	30

Base cabinet
with 5 drawers

Armario bajo
con 5 cajones

Armário
com 5 gavetas

Art.
3964-05

	L1 / mm	L2 / mm	L3 / mm	kg
	680	458	910	145
A	560	404	58	25
B	560	404	138	30

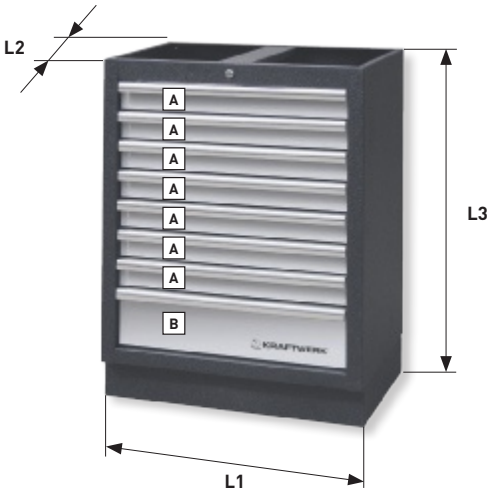
Base cabinet
with 8 drawers

Armario bajo
con 8 cajones

Armário
com 8 gavetas

Art.
3964-14

	L1 / mm	L2 / mm	L3 / mm	kg
	680	458	910	235
A	560	404	58	25
B	560	404	138	30



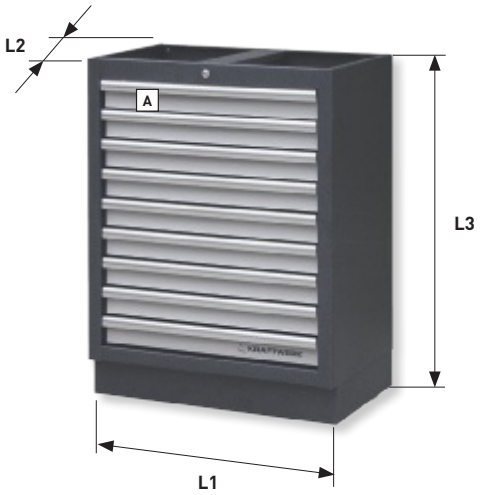
Base cabinet
with 9 drawers

Armario bajo
con 9 cajones

Armário
com 9 gavetas

Art.
3964-13

	L1 / mm	L2 / mm	L3 / mm	⚖ kg
	680	458	910	225
A	560	404	58	25



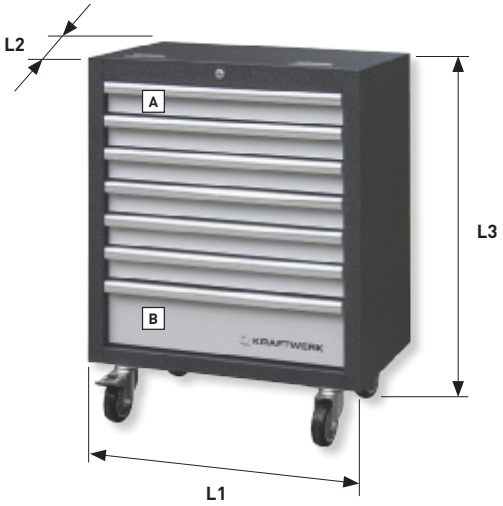
Rolling base cabinet
with 7 drawers

Armario bajo
con 7 cajones y ruedas

Armário amovivel
com 7 gavetas

Art.
3964-15

	L1 / mm	L2 / mm	L3 / mm	⚖ kg
	646	458	862	230
Top	646	458	-	50
A	527	404	58	25
B	527	404	138	30



Base cabinet
with waste bin/kitchen roll

Armario bajo
con cubo y portarollos

Base
com caixote de lixo / rolo de papel

Art.
3964-11

680 × 458 × 910 mm

Corner base cabinet
with shelf

Mueble bajo de esquina
con 1 balda

Armário e canto
com 1 prateleira

860 × 450 mm

Art.	⚖ kg
3964-16	30

864 × 864 × 910 mm

Wall cabinet
with pneumatic spring action

Mueble alto
con resortes a gas

Armários de parede
com sistema hidráulico

Art.	kg
3964-01	15

680 × 281 × 350 mm

Wall cabinets
with roller shutter

Mueble alto
con persiana

Armários de parede
com persiana

Art.	kg
3964-19	15

680 × 281 × 350 mm

Corner wall cabinet
with gas spring

Armario alto de esquina
con resortes a gas

Armário de canto
com elevador a gás

Art.	kg
3964-25	20

865 × 865 × 350 mm

Hanging panel
for 3964-16

Panel perforado de pared
para 3964-16

Painel
para 3964-16

Art.
3964-17

1052 × 798 × 25 mm

Hanging panel
Panel perforado de pared
Paineis de pendurar ferramenta

Art.
3964-06

1052 × 614.5 × 25 mm

Connect support
for connections of 2 elements
Barra de conexión
para 2 elementos
Suporte de ligação
para dois elementos

Art.
3964-24

1420 × 65 × 30 mm

Connect support
for connections of 2 elements with cable holes
Conector de paneles perforados de pared
con orificios para cableado
Peça de ligação
para 2 elementos com furo para cabos

Art.
3964-07

1420 × 65 × 30 mm

Connect support for outer frame
Conector exterior de panel
Peça de ligação

Art.
3964-10

1420 × 32.5 × 30 mm

Multiplex worktop
for 1 element
Superficie de trabajo Multiplex
para 1 elemento
Topo multiplex de comprimento
para 1 elemento

Art.
3964-08

680 × 463 × 35 mm

Multiplex worktop
for 2 elements
Superficie de trabajo Multiplex
para 2 elementos
Topo multiplex de comprimento
para 2 elementos

Art.
3964-09

1361 × 463 × 35 mm

Multiplex worktop
for 3 elements
Superficie de trabajo Multiplex
para 3 elementos
Topo em multiplex
para 3 elementos

Art.
3964-18

2041 × 463 × 35 mm

Multiplex worktop
for 3964-16
Superficie de trabajo Multiplex
para 3964-16
Topo em multiplex
para 3964-16

Art.
3964-16-99

864 × 864 × 35 mm

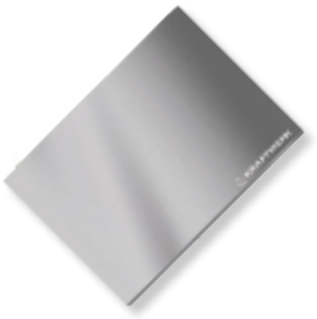
Stainless top plate
for 1 element

Superficie de trabajo en acero inoxidable
para 1 elemento

Topo em aço inoxidavel
para 1 elemento

Art.
3964-20

680 × 463 × 38 mm



Stainless top plate
for 2 elements

Superficie de trabajo en acero inoxidable
para 2 elementos

Topo em aço inoxidavel
para 2 elementos

Art.
3964-21

1361 × 463 × 38 mm

Stainless top plate
for 3 elements

Superficie de trabajo en acero inoxidable
para 3 elementos

Topo em aço inoxidavel
para 3 elementos

Art.
3964-22

2041.5 × 463 × 38 mm

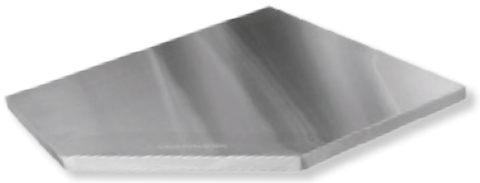
Stainless top plate
for 3964-16

Superficie de trabajo en acero inoxidable
para 3964-16

Topo em aço inoxidavel
para 3964-16

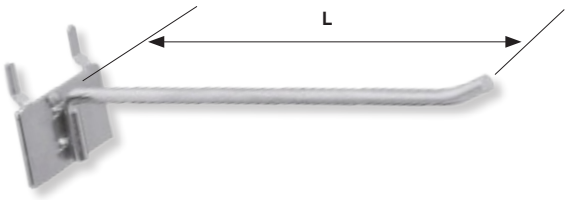
Art.
3964-23

865 × 865 × 38 mm



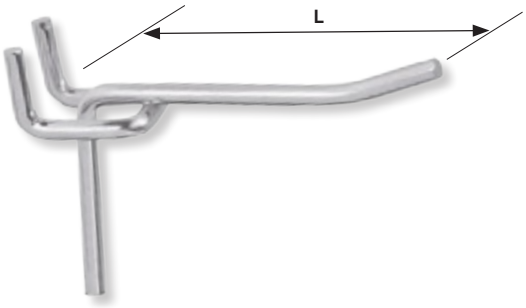
Pointed hook
Gancho
Grampo

Art.	L
90359	150 mm
90354	100 mm



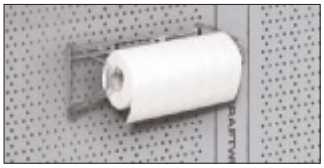
Pointed hook
Gancho
Grampo

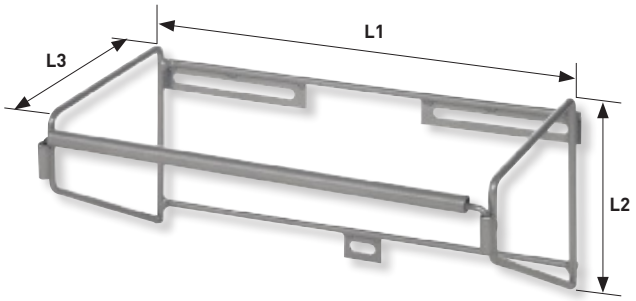
Art.	L
90377	60 mm



Holding device for cleaning cloth rolls
Portarrollos
Suporte para rolos de papel

Art.
3925

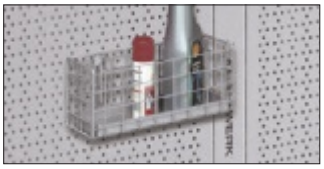


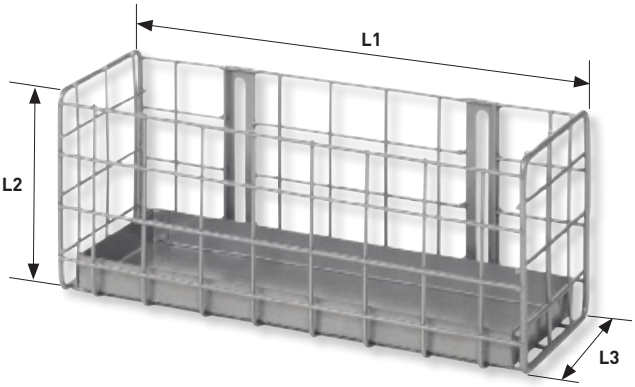


L1 330 × **L2** 175 × **L3** 140 mm

Outside basket
with tray
Cubeta
con fondo
Cesto exterior
com fundo

Art.
3923





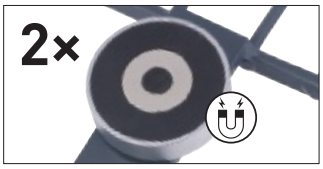
L1 280 × **L2** 115 × **L3** 95 mm

Magnetic holder
for sockets and pneumatic tools

Soporte magnético
para herramientas neumáticas

Suporte magnético
para ferramentas pneumáticas

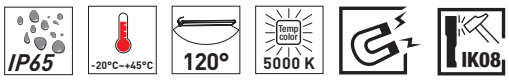
Art.
3929

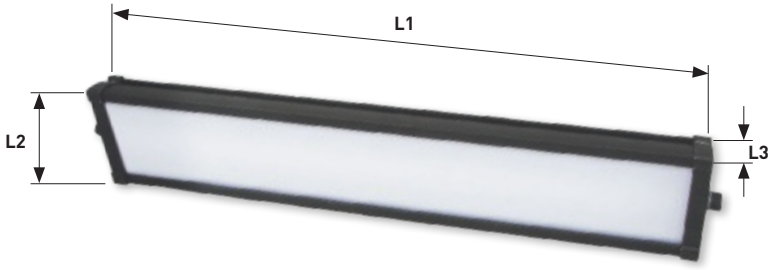


LED down light
The lights are equipped with magnets and mounting brackets and therefore can be used flexibly. Both light sizes can be connected in series.

Luz LED baja
Las lámparas están equipadas con imanes y por lo tanto, pueden utilizarse de forma flexible. Ambos tamaños de lámpara se pueden conectar en serie si se desea.

Iluminação LED
As lampadas estão equipadas com imans e pode ser efectuada uma utilização flexivel. Ambos os tamanhos de lampadas podem ser ligados em série, se desejado.





Art.	SMD-LED	LM	W	kg
32077-60	120	1800	20	1.2
32077-120	240	3600	40	2.3

	L1 / mm	L2 / mm	L3 / mm
32077-60	590	124	43
32077-120	1200	124	43

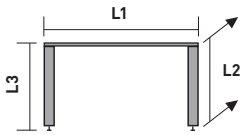
Accessories included
Accesorios incluídos
Acessórios incluídos

Workbenches
with height-adjustable feet, 3 cm thick multiplex worktop, splash-proof, dirt-repellent and widely resistent to oil and grease.
Max. load-bearing capacity 150 kg

Bancos de trabajo
con ajuste de nivel, panel multiplex de 3 cm, resistente a salpicaduras de agua y polvo y muy resistente a aceites y grasas.
Carga máxima: 150 kg

Banco de trabalho
Com regulação de nível, tampo multiplex com 3 cm de espessura, à prova de salpicos, repelente de sujidade e resistente a óleos e massas.
Capacidade máxima de carga 150 kg

Art.
7526
7527



	L1 / mm	L2 / mm	L3 / mm	⚖ kg
7526	1600	600	880 - 930	150
7527	1600	800	880 - 930	150

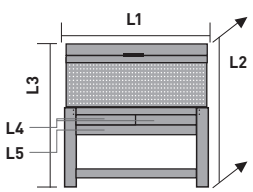
Workbench
in solid sheet steel construction with 20 mm strong beech wood Multiplex-worktop with protectiv linseed oil varnish. 3 ball bearing guided drawers. KRAFTWERK-tool inserts (COMPLETO-hard shells, EVA, EVA3) fit comfortably in the lower, long drawer. The tool wall panel and a wall cabinet offer plenty of storage space for tools.

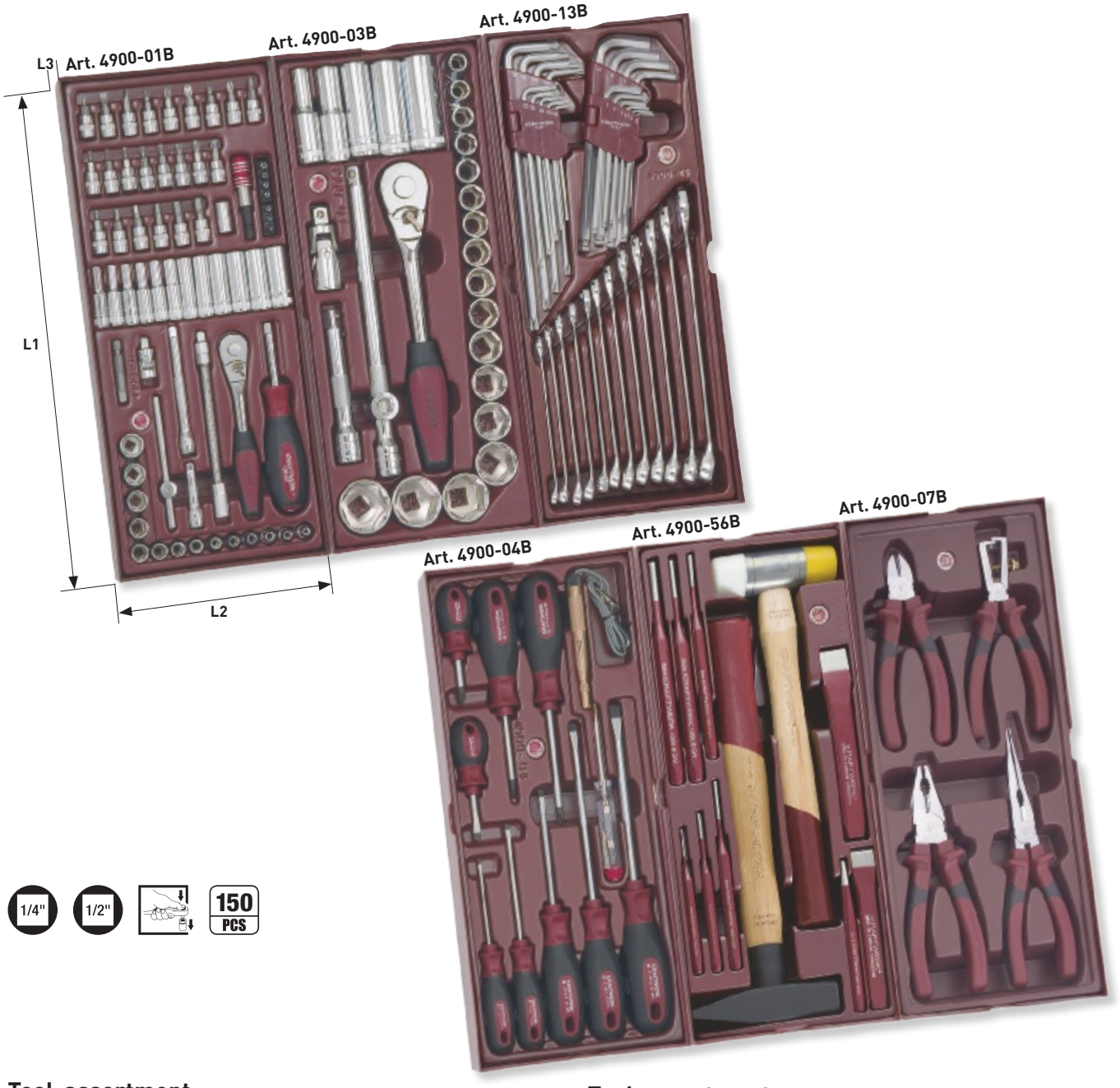
Banco de trabajo
con estructura robusta de acero, superficie de trabajo Multiplex de 20 mm en madera de haya con protección de barniz de aceite de linaza. Las inserciones con herramientas KRAFTWERK (COMPLETO, EVA, EVA3) se colocan facilmente en el cajón largo inferior. El panel perforado y el mueble abatible superior ofrecen mucho espacio para almacenar herramientas.

Bancada de trabalho
construção em aço sólido com tampo em faia de 20mm multiplex com protecção envernizada de óleo de linhaça. 3 gavetas com guias de rolamentos. Os módulos de ferramentas KRAFTWERK (COMPLETO, EVA, EVA3) são facilmente armazenados na última gaveta. O armário de parede e o painel de parede oferecem bastante espaço para ferramenta.

Art.
3962

	L1 / mm	L2 / mm	L3 / mm	⚖ kg
	1145	635	1585	80
L4	457	423	93	20
L5	921	483	93	30





1/4" 1/2" 150 PCS

Tool-assortment
basic for 2 drawers

Surtido herramientas
básico para 2 cajones

Sortido de ferramentas
básico para 2 gavetas

Art.	
4909	4900-01B, 4900-03B, 4900-13B, 4900-04B, 4900-56B, 4900-07B

L1 402 × **L2** 173 × **L3** 48 mm

Tool-assortment
with tool cabinet

Surtido herramientas
con carros

Sortido de ferramentas
com carro

	Art.
1	3907-4909
2	3908-4909
3	3905-4909
4	3934-4909
5	2905-4909
6	2907-4909
7	2904-4909

COMPLETO SERIE 4900

1/4" 1/2" 191 PCS

Tool-assortment
for 3 drawers

Surtido herramientas
para 3 cajones

Sortido de ferramentas
para 3 gavetas

Art.	
4911	4900-01B, 4900-03B, 4900-04B, 4900-13B, 4900-14B, 4900-07B, 4900-56B, 4900-10B, 4900-11B

L1 402 × **L2** 173 × **L3** 48 mm

Tool-assortment
with tool cabinet

Surtido herramientas
con carro taller

Sortido de ferramentas
com carro

	Art.
1	3907-4911
2	3908-4911
3	3905-4911
4	3934-4911
5	2905-4911
6	2907-4911
7	2904-4911

Tool-assortment
with 24 inlays

Surtido herramientas
con 24 bandejas

Sortido de ferramentas
com 24 caixas

1/4" 3/8" 1/2" fullmetal

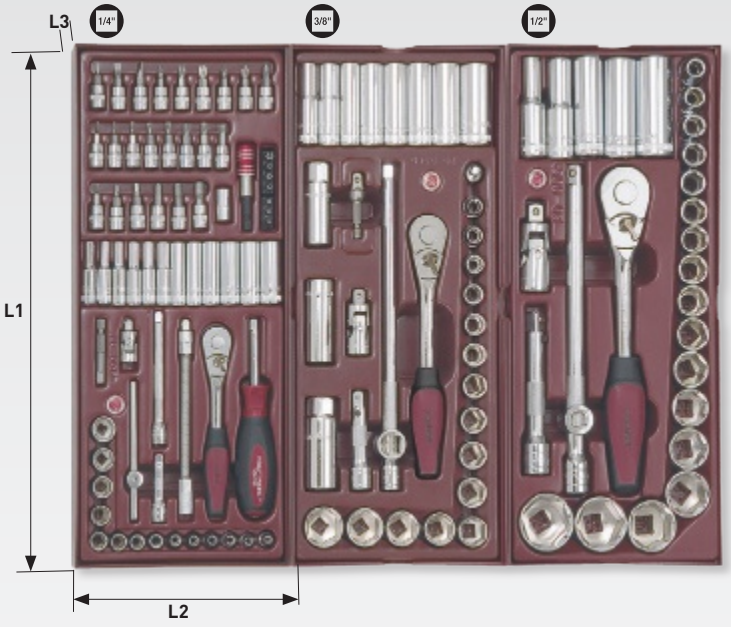
552 PCS Art. 4920

554 PCS Art. 4920F

Art.	
4920	4900-01B, 4900-02B, 4900-03B, 4900-38B, 4900-20B, 4900-19B, 4900-16B, 4900-22B, 4900-15B, 4900-13B, 4900-14B, 4900-40B, 4900-04B, 4900-05B, 4900-59B, 4900-11B, 4900-12B, 4900-73B, 4900-33B, 4900-57B1, 4900-09B, 4900-66B, 4900-10B, 4900-21B,
4920F	4900-01B, 4900-02B, 4900-03B, 4900-38B, 4900-20B, 4900-19B, 4900-16B, 4900-22B, 4900-18B, 4900-13B, 4900-14B, 4900-40B, 4900-04B, 4900-05B, 4900-59B, 4900-11B, 4900-12B, 4900-73B, 4900-33B, 4900-57B1, 4900-09B, 4900-66B, 4900-10B, 4900-21B,

L1 402 x **L2** 173 x **L3** 48 mm

Art. 4900-01B (1/4") Art. 4900-02B (3/8") Art. 4900-03B (1/2")



Art. 4900-38B (1/2") Art. 4900-20B (1/4" 3/8" 1/2") Art. 4900-19B

Art. 4900-16B Art. 4900-22B Art. 4900-15B (only / *solamente* / unico 4920)

COMPLETO SERIE 4900

Art. 4900-13B Art. 4900-14B Art. 4900-40B

Art. 4900-04B Art. 4900-05B Art. 4900-59B

Art. 4900-11B Art. 4900-12B Art. 4900-73B

Art. 4900-33B Art. 4900-57B1 Art. 4900-09B

HIGHTECH 3C

4GRIP

Art. 4900-66B Art. 4900-10B Art. 4900-21B

fullmetal

Art. 4900-18B
(only / *solamente* / unico 4920F)

Tool-assortment
with tool-cabinet

Surtido herramientas
con carro

Sortido de ferramentas
com carro

561 PCS Art. 4920

563 PCS Art. 4920F

Art.	
3936-4920	12
3936-4920F	12

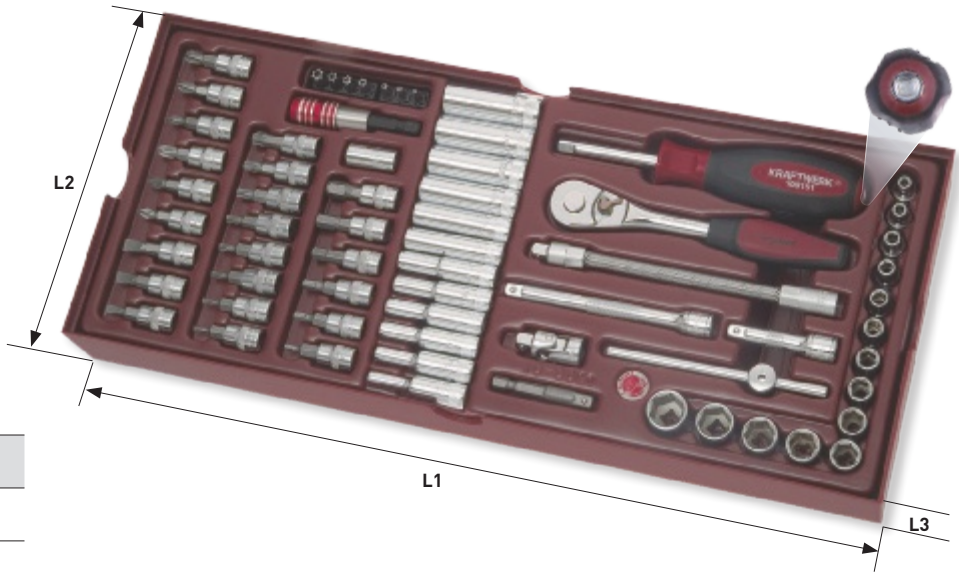
only / *solamente* / unico 3936-4920

solo / *solamente* / unico 3936-4920F

Art. 3936ES 9 PCS

1/4" 1/4" 66 PCS

Socket wrench tray
Bandeja llaves vaso
Conjunto de chaves de caixa



Art.
4900-01B

L1 402 × **L2** 173 × **L3** 48 mm

15		3.5-4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm
12		4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
3		4-5.5-6.5 mm
3		PH 1-2-3
3		PZ 1-2-3
8		T8-T10-T15-T20-T25-T27-T30-T40
6		3-4-5-6-7-8 mm
		1/4" 1/4"
		1/4" 1/4"

2		50 mm / 100 mm
		150 mm
		115 mm
		1/4" 1/4"
7		T10-T15-T20-T25-T27-T30-T40
		1/4" 1/4"
		1/4" 1/4"

45 Art. 3200

3/8" 33 PCS

Socket wrench tray
Bandeja llaves vaso
Conjunto de chaves de caixa

Art.
4900-02B

L1 402 × **L2** 173 × **L3** 48 mm

15		8-9-10-11-12-13-14-15-16-17-18-19-21-22-24 mm
8		10-11-12-13-14-15-17-19 mm
3		16 mm / 18 mm / 21 mm
		3/8" 3/8"
2		75 mm / 250 mm
		1/2" 3/8"
		3/8" 1/4"
		1/4" 3/8"

45 Art. 3210

1/2" | 27 PCS

Socket wrench tray
Bandeja llaves vaso
Conjunto de chaves de caix

Art.
4900-03B

L1 402 × **L2** 173 × **L3** 48 mm

	17	10-11-12-13-14-15-16-17-18 19-21-22-24-27-30-32-34 mm
	5	10-13-17-19-22 mm
		○ 1/2" ■ 1/2"
	2	125 mm / 250 mm
		○ 3/8" ■ 1/2"

45 Art. 3220

1/4" | 3/8" | 50 PCS

inch

Socket wrench- and hex key tray inch
Bandeja llaves de vaso pulgadas
Conjunto de chaves de caixa em polegadas

Art.
4900-29B

L1 402 × **L2** 173 × **L3** 48 mm

1/4"	9	3/16"-7/32"-1/4"-9/32"-5/16" 11/32"-3/8"-7/16"-1/2"
	9	3/16"-7/32"-1/4"-9/32"-5/16" 11/32"-3/8"-7/16"-1/2"
		○ 1/4" ■ 1/4"
	2	50 mm / 100 mm
		○ 3/8" ■ 1/4"

72 Art. 4009

3/8"	8	9/16"-5/8"-11/16"-3/4" 13/16"-7/8"-15/16"-1"
	3	9/16"-11/16"-3/4"
	2	5/8"-13/16"
		○ 3/8" ■ 3/8"
	2	75 mm / 250 mm
		○ 1/2" ■ 3/8"

72 Art. 4019

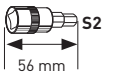
S2 | 9 | 1/16"-5/64"-3/32"-1/8"-5/32"
3/16"-1/4"-5/16"-3/8"

1/2" | S2 quality | 33 PCS

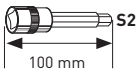
Bit-socket tray
Bandeja vasos-punta
Conjunto de chaves de caixa com bit

Art.
4900-38B

L1 402 × **L2** 173 × **L3** 48 mm



6 T30-T40-T45-T50-T55-T60
6 5-6-7-8-10-12 mm
6 M5-M6-M8-M10-M12-M14



5 T30-T40-T45-T50-T55
5 6-7-8-10-12 mm
5 M5-M6-M8-M10-M12

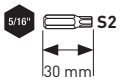
AUTOMOTIVE

1/2" | 5/16" | S2 quality | 49 PCS

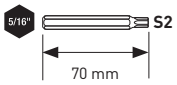
Special bit-socket tray
Bandeja vasos-punta especiales
Conjunto de chaves de caixa com bit especial

Art.
4900-58B

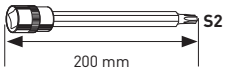
L1 402 × **L2** 173 × **L3** 48 mm



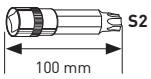
9 T20-T25-T27-T30-T40 T45-T50-T55-T60
7 4-5-6-7-8-10-12 mm
5 M5-M6-M8-M10-M12



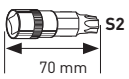
9 T20-T25-T27-T30-T40 T45-T50-T55-T60
7 4-5-6-7-8-10-12 mm
5 M5-M6-M8-M10-M12



3 T30-T40-T45



T70



T80

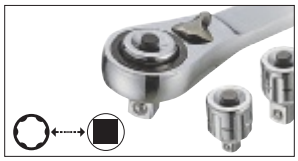
3/8" 5/16"
1/2" 5/16"

38 PCS

Pass through socket wrench tray
Bandeja vasos pasantes
Conjunto de chaves de caixa de aperto

Art.
4900-49B

L1 402 × **L2** 173 × **L3** 48 mm



9 ○ 13 mm ○ 3.5-4-4.5-5-5.5-6-7-8-9 mm
10 ○ 20 mm ○ 10-11-12-13-14-15-16-17-18-19 mm
8 ○ 30 mm ○ 20-21-22-24-27-30-32-34 mm

○ 13 mm ○ 75 mm
○ 20 mm ○ 75 mm
2 ○ 30 mm ○ 75 mm / 155 mm

13 mm × 1/4"
20 mm × 3/8"
30 mm × 1/2"
13 mm × 1/4"

13 mm Art. 590000
20 mm Art. 600000
30 mm Art. 610000

1/4" 3/8" 1/2" 5/16" CrMo 71 PCS

Special socket- and bit tray
Bandeja llaves vaso y puntas
Conjunto especial de chaves de impacto e bit

Art.
4900-20B

L1 402 × **L2** 173 × **L3** 48 mm

1/4" 6 E4-E6-E7-E8-E10-E11
3/8" 7 E10-E11-E12-E14-E16-E18-E20
1/2" 5 E16-E18-E20-E22-E24
1/2" 11 9-10-11-13-14-17-19-21-22-23-24 mm
1/2" 5 17-19-21-22-24 mm
○ 3/8" ○ 5/16"
○ 1/2" ○ 5/16"

CrMo

5/16" 3 8-10-12 mm
2 PH 3-4
2 PZ 3-4
6 T40-T45-T47-T50-T55-T60
12 T10-T15-T20-T25-T27-T30 T40-T45-T50-T55-T60-T70
5 6-8-10-12-14 mm
4 M6-M8-M10-M12

COMPLETO SERIE 4900

AUTOMOTIVE

1/2" CrMo 29 PCS

Universal impact socket set

Juego universal de llaves de vaso impacto

Jogo universal de chaves impacto

Art.	
4900-70B	1/2"

L1 402 × **L2** 173 × **L3** 48 mm

1/2" — 8-9-10-11-12-13-14-15-16 17-18-19-21-22-24 mm — 125 mm

14-17-19-21-22-24 mm — 1/2" 3/4"

17-19-21-22-24 mm — 1/2" 1/2"

AUTOMOTIVE

1/2" CrMo 17 PCS

Impact wrench tray

Bandeja con herramienta neumática

Bandeja de chave de impacto

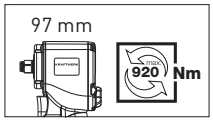
Art.		
4900-71B	1/2"	3833
4900-71B1	1/2"	3834

L1 402 × **L2** 173 × **L3** 48 mm

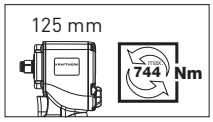
1/2" — 10-12-13-14-15 17-19-21-22-24 mm

17-19-21-22-24 mm

125 mm — 1/2 1/2



Art. 3833



Art. 3834

31 PCS

Combination wrench and ballpoint hex/TX key tray

Bandeja llaves combinadas/ macho hexagonales bola/TX

Conjunto de chaves de boca-luneta/sextavadas interior

Art.
4900-13B

L1 402 × **L2** 173 × **L3** 48 mm

DIN 3113

Art. 3508	8 mm	Art. 3514	14 mm
Art. 3509	9 mm	Art. 3515	15 mm
Art. 3510	10 mm	Art. 3516	16 mm
Art. 3511	11 mm	Art. 3517	17 mm
Art. 3512	12 mm	Art. 3518	18 mm
Art. 3513	13 mm	Art. 3519	19 mm

DIN 2936 **S2** 30°

Art. 3602
1.5-2.5-3-4-5-6-7-8-10 mm

XXL **S2**

Art. 3607
T10-T15-T20-T25-T27
T30-T40-T45-T50

8 PCS

Combination wrench tray

Bandeja llaves combinadas

Conjunto de chaves de boca-luneta

Art.
4900-14B

L1 402 × **L2** 173 × **L3** 48 mm

DIN 3113

Art. 3505	5.5 mm
Art. 3506	6 mm
Art. 3507	7 mm
Art. 3520	20 mm
Art. 3521	21 mm
Art. 3522	22 mm
Art. 3523	23 mm
Art. 3524	24 mm

15 PCS | inch

COMBINATION CLICKRAFT

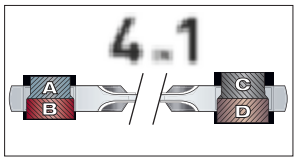
Combination wrench tray inch

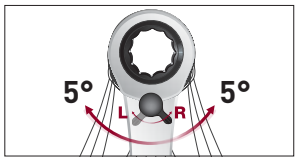
Bandeja llaves combinadas pulgadas

Conjunto de chaves de boca-luneta em polegadas

Art.
4900-30B

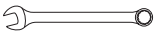
L1 402 × **L2** 173 × **L3** 48 mm





A 5/16" **B** 3/8" — Art. 3404-51612 — **C** 7/16" **D** 1/2"

A 9/16" **B** 5/8" — Art. 3404-91634 — **C** 11/16" **D** 3/4"



Art. 3587	1/4"	Art. 3594	11/16"
Art. 3588	5/16"	Art. 3595	3/4"
Art. 3589	3/8"	Art. 3596	13/16"
Art. 3590	7/16"	Art. 3597	7/8"
Art. 3591	1/2"	Art. 3598	15/16"
Art. 3592	9/16"	Art. 3599	1"
Art. 3593	5/8"		

19 PCS

COMBINATION CLICKRAFT

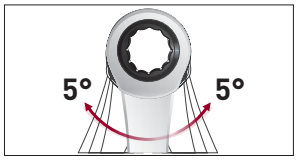
Ratchet combination wrench tray

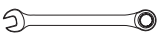
Bandeja llaves combinadas con carraca

Conjunto de chaves de boca-luneta com roquete

Art.
4900-17B

L1 402 × **L2** 173 × **L3** 48 mm





Art. 3405	5.5 mm	Art. 3414	14 mm
Art. 3406	6 mm	Art. 3415	15 mm
Art. 3407	7 mm	Art. 3416	16 mm
Art. 3408	8 mm	Art. 3417	17 mm
Art. 3409	9 mm	Art. 3418	18 mm
Art. 3410	10 mm	Art. 3419	19 mm
Art. 3411	11 mm		
Art. 3412	12 mm		
Art. 3413	13 mm		

Art. 3691 — 1/4" — 10 mm
Art. 3692 — 3/8" — 13 mm
Art. 3693 — 1/2" — 19 mm

Art. 2694 — 1/4" — 10 mm

15 PCS

COMBINATION + DOUBLE RATCHET CLICKRAFT

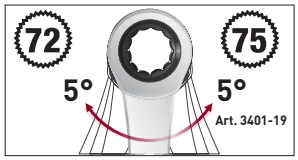
Double ratchet combination wrench tray

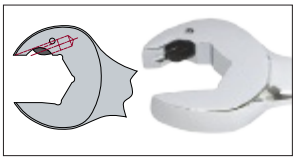
Bandeja llaves combinadas con doble carraca

Conjunto de chaves de boca-luneta com roquete duplo

Art.
4900-40B

L1 402 × **L2** 173 × **L3** 48 mm





Art. 3405	5.5 mm
Art. 3406	6 mm
Art. 3407	7 mm

Art. 3401-08	8 mm
Art. 3401-09	9 mm
Art. 3401-10	10 mm
Art. 3401-11	11 mm
Art. 3401-12	12 mm
Art. 3401-13	13 mm
Art. 3401-14	14 mm
Art. 3401-15	15 mm
Art. 3401-16	16 mm
Art. 3401-17	17 mm
Art. 3401-18	18 mm
Art. 3401-19	19 mm

Optional / *Opcional* / Opcional

Art. 3691	1/4"	10 mm
Art. 3692	3/8"	13 mm
Art. 3693	1/2"	19 mm

Art. 2694 — 1/4" — 10 mm

12 PCS

LARGO 90 CLICKRAFT

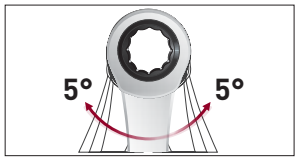
90° Ratchet combination wrench tray, extra long

Bandeja llaves combinadas 90° con carraca

Conjunto de chaves de boca-luneta com roquete 90°

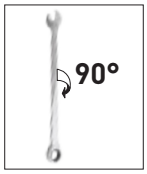
Art.
4900-28B

L1 402 × **L2** 173 × **L3** 48 mm



Art. 4405-08	8 mm
Art. 4405-09	9 mm
Art. 4405-10	10 mm
Art. 4405-11	11 mm
Art. 4405-12	12 mm
Art. 4405-13	13 mm

Art. 4405-14	14 mm
Art. 4405-15	15 mm
Art. 4405-16	16 mm
Art. 4405-17	17 mm
Art. 4405-18	18 mm
Art. 4405-19	19 mm



REVERSIBLE CLICKRAFT

14 PCS

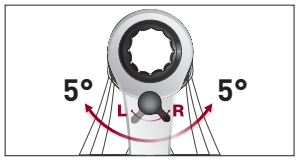
Reversible ratchet combination wrench tray

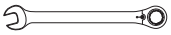
Bandeja llaves combinadas reversibles con carraca

Conjunto de chaves de boca-luneta com roquete reversível

Art.
4900-47B

L1 402 × **L2** 173 × **L3** 48 mm





Art. 3404-08	8 mm	Art. 3404-15	15 mm
Art. 3404-09	9 mm	Art. 3404-16	16 mm
Art. 3404-10	10 mm	Art. 3404-17	17 mm
Art. 3404-11	11 mm	Art. 3404-18	18 mm
Art. 3404-12	12 mm	Art. 3404-19	19 mm
Art. 3404-13	13 mm	Art. 3404-22	22 mm
Art. 3404-14	14 mm	Art. 3404-24	24 mm

FLEX CLICKRAFT

14 PCS

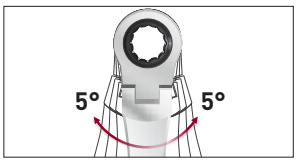
Flexible ratchet combination wrench tray

Bandeja llaves combinadas flexibles con carraca

Conjunto de chaves de boca-luneta com roquete flexível

Art.
4900-46B

L1 402 × **L2** 173 × **L3** 48 mm



Art. 3403-08	8 mm	Art. 3403-15	15 mm
Art. 3403-09	9 mm	Art. 3403-16	16 mm
Art. 3403-10	10 mm	Art. 3403-17	17 mm
Art. 3403-11	11 mm	Art. 3403-18	18 mm
Art. 3403-12	12 mm	Art. 3403-19	19 mm
Art. 3403-13	13 mm	Art. 3403-22	22 mm
Art. 3403-14	14 mm	Art. 3403-24	24 mm

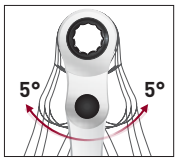
12 PCS

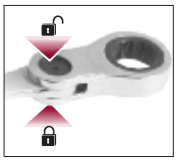
ANGLE CLICKRAFT

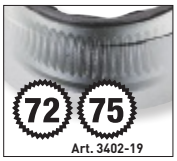
Angle ratchet combination wrench tray
Bandeja llaves combinadas angulares con carraca
Conjunto de chaves de boca-luneta com roquete angular

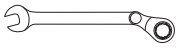
Art.
4900-41B

L1 402 × **L2** 173 × **L3** 48 mm









Art. 3402-08	8 mm	Art. 3402-14	14 mm
Art. 3402-09	9 mm	Art. 3402-15	15 mm
Art. 3402-10	10 mm	Art. 3402-16	16 mm
Art. 3402-11	11 mm	Art. 3402-17	17 mm
Art. 3402-12	12 mm	Art. 3402-18	18 mm
Art. 3402-13	13 mm	Art. 3402-19	19 mm

Optional / *Opcional* / Opcional

Art. 3691 ⬢ 1/4" ■ 10 mm
Art. 3692 ⬢ 3/8" ■ 13 mm
Art. 3693 ⬢ 1/2" ■ 19 mm

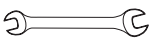
Art. 2694 ⬢ 1/4" ○ 10 mm

10 PCS

Double open wrench tray
Bandeja llaves fijas
Conjunto de chaves de boca

Art.
4900-16B

L1 402 × **L2** 173 × **L3** 48 mm



DIN 3110

Art. 3560	6 × 7 mm	Art. 3565	16 × 17 mm
Art. 3561	8 × 9 mm	Art. 3566	18 × 19 mm
Art. 3562	10 × 11 mm	Art. 3567	21 × 22 mm
Art. 3563	12 × 13 mm	Art. 3568	24 × 27 mm
Art. 3564	14 × 15 mm	Art. 3569	30 × 32 mm

11 PCS

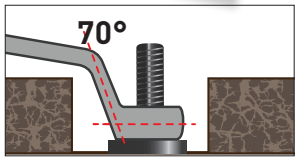
Double offset wrench tray
Bandeja llaves dobles
Conjunto de chaves de luneta

Art.
4900-15B

L1 402 × **L2** 173 × **L3** 48 mm

DIN 838

Art. 3480	6 × 7 mm	Art. 3486	18 × 19 mm
Art. 3481	8 × 9 mm	Art. 3487	20 × 22 mm
Art. 3482	10 × 11 mm	Art. 3488	21 × 23 mm
Art. 3483	12 × 13 mm	Art. 3489	24 × 27 mm
Art. 3484	14 × 15 mm	Art. 3491	30 × 32 mm
Art.3485	16 × 17 mm		



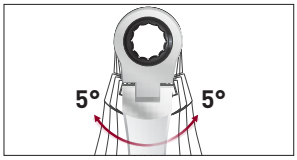
13 PCS

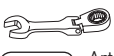
STUBBY FLEX CLICKRAFT

Flare nut wrench/stubby ratchet combination wrench tray
Bandeja llaves racores/ llaves combinadas cortas con carraca
Conjunto de chaves de luneta aberta/chaves boca-luneta com roquete flexível, curtas

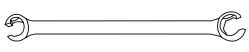
Art.
4900-22B

L1 402 × **L2** 173 × **L3** 48 mm





Art. 3403-08S	8 mm
Art. 3403-10S	10 mm
Art. 3403-11S	11 mm
Art. 3403-12S	12 mm
Art. 3403-13S	13 mm
Art. 3403-14S	14 mm



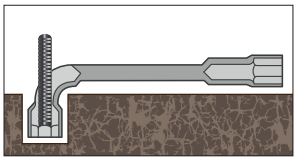
Art. 3580-00	9 × 11 mm
Art. 3580-01	10 × 12 mm
Art. 3580-02	13 × 14 mm
Art. 3580-03	15 × 17 mm
Art. 3580-04	3/8" × 7/16"
Art. 3580-05	1/2" × 9/16"
Art. 3580-06	5/8" × 11/16"

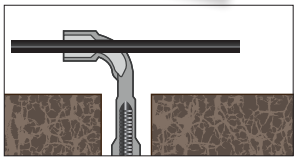
13 PCS

Elbow milled open wrench trays
Bandeja llaves pipa
Conjunto de chaves de cachimbo

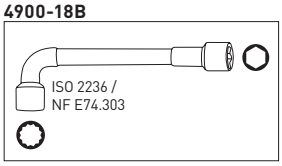
Art.	
4900-18B	
4900-48B	

L1 402 × **L2** 173 × **L3** 48 mm



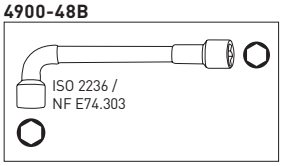


4900-18B



Art. 2598-08	8 mm	Art. 2598-15	15 mm
Art. 2598-09	9 mm	Art. 2598-16	16 mm
Art. 2598-10	10 mm	Art. 2598-17	17 mm
Art. 2598-11	11 mm	Art. 2598-18	18 mm
Art. 2598-12	12 mm	Art. 2598-19	19 mm
Art. 2598-13	13 mm	Art. 2598-22	22 mm
Art. 2598-14	14 mm		

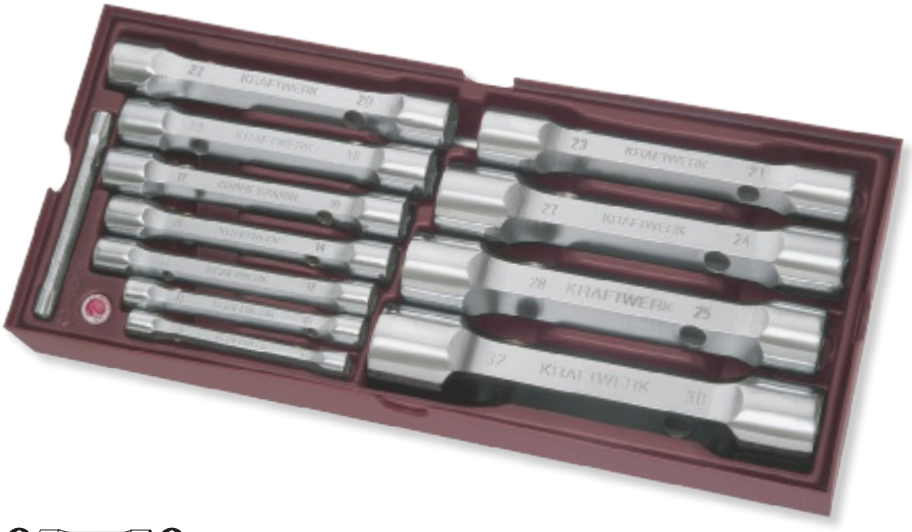
4900-48B



Art. 2597-08	8 mm	Art. 2597-15	15 mm
Art. 2597-09	9 mm	Art. 2597-16	16 mm
Art. 2597-10	10 mm	Art. 2597-17	17 mm
Art. 2597-11	11 mm	Art. 2597-18	18 mm
Art. 2597-12	12 mm	Art. 2597-19	19 mm
Art. 2597-13	13 mm	Art. 2597-22	22 mm
Art. 2597-14	14 mm		

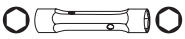
14 PCS

Straight box wrench tray
Bandeja llaves tubo
Conjunto de chaves de tubos sextavadas



Art.
4900-23B

L1 402 × **L2** 173 × **L3** 48 mm



DIN 896

Art. 2599-06076	× 7 mm	Art. 2599-1819	18 × 19 mm		
Art. 2599-08098	× 9 mm	Art. 2599-2022	20 × 22 mm	Art. 2599-1012	210 mm
Art. 2599-101110	× 11 mm	Art. 2599-2123	21 × 23 mm		
Art. 2599-121312	× 13 mm	Art. 2599-2427	24 × 27 mm		
Art. 2599-141514	× 15 mm	Art. 2599-2528	25 × 28 mm	Art. 2599-3457	165 mm
Art. 2599-161716	× 17 mm	Art. 2599-3032	30 × 32 mm		

9 PCS

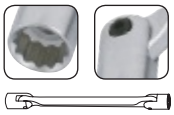
Double flexible socket wrench tray

Bandeja llaves flexibles doble vaso

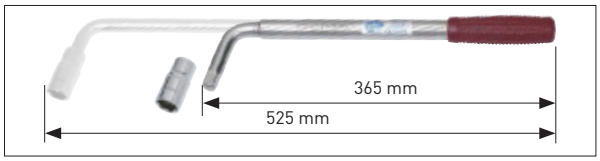
Conjunto de chaves de caixa duplas flexíveis

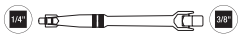
Art.
4900-27B

L1 402 × **L2** 173 × **L3** 48 mm



Art. 2590-0809 8 × 9 mm
Art. 2590-1011 10 × 11 mm
Art. 2590-1213 12 × 13 mm
Art. 2590-1415 14 × 15 mm
Art. 2590-1617 16 × 17 mm
Art. 2590-1819 18 × 19 mm





Art. 2590-3814 1/4" × 3/8"

Art. 2585-1719 1/2"

17 × 19 mm

1/4" 1/4" 16 PCS

PB Swissgrip screwdriver tray
Bandeja destornilladores PB Swissgrip
Conjunto de chaves de parafusos PB Swissgrip

Art.
4900-60B

L1 402 × **L2** 173 × **L3** 48 mm

Art. PB 8100 5	1.2	× 8 mm
Art. PB 8100 4-140	1.0	× 6.5 mm
Art. PB 8100 3-120	0.8	× 5.5 mm
Art. PB 8100 2-100	0.6	× 4.0 mm
Art. PB 8100 1- 90	0.5	× 3.5 mm
Art. PB 8190 1- 80	PH1	× 80
Art. PB 8190 2-100	PH2	× 100/6
Art. PB 8451	10	× 30 mm
Art. PB 1750	110-250 V	

PB SWISS TOOLS

1/4" S2 T10-T15-T20-T25-T27-T30-T40

S2 quality 11 PCS

Screwdriver tray
Bandeja destornilladores
Conjunto de chaves de parafusos

ERGOKRAFT

Art.
4900-04B

L1 402 × **L2** 173 × **L3** 48 mm

S2 Art. 4110-1	0.6 × 3 mm	
Art. 4110-2	0.8 × 4 mm	
Art. 4110-3	1.0 × 5 mm	
Art. 4110-4	1.1 × 6 mm	
Art. 4110-5	1.2 × 8 mm	
S2 Art. 4115-1	PH 1	
Art. 4115-2	PH 2	
S2 Art. 4112-2	1.1 × 6 mm	
S2 Art. 4117-2	PH 2	
Art. 2138	100-250 V	
Art. 2139	12 V	

ERGOKRAFT

S2 quality | 14 PCS

Screwdriver tray
Bandeja destornilladores
Conjunto de chaves de parafusos

Art.
4900-05B

L1 402 × **L2** 173 × **L3** 48 mm

S2

Art. 4125-08	T8
Art. 4125-10	T10
Art. 4125-15	T15
Art. 4125-20	T20
Art. 4125-25	T25
Art. 4125-27	T27
Art. 4125-30	T30
Art. 4125-40	T40

S2

Art. 3177-20	0.45 × 2.0 mm
Art. 3177-24	0.5 × 2.4 mm
Art. 3177-30	0.6 × 3.0 mm
Art. 3177-35	0.65 × 3.5 mm

S2

Art. 3177-0	PH 0
Art. 3177-1	PH 1

ERGOKRAFT

S2 quality | 8 PCS

Impact screwdriver tray
Bandeja destornilladores de golpe
Conjunto de chaves de parafusos impacto

Art.
4900-54B

L1 402 × **L2** 173 × **L3** 48 mm

S2

Art. 4140-3	5.5 × 100 mm	5.5 mm
Art. 4140-4	6.5 × 125 mm	6.5 mm
Art. 4140-5	8.0 × 150 mm	8.0 mm
Art. 4140-6	10.0 × 175 mm	10.0 mm

S2

Art. 4145-1	PH1 × 75 mm	5.0 mm
Art. 4145-2	PH2 × 100 mm	6.0 mm

S2

Art. 4150-1	PZ1 × 75 mm	5.0 mm
Art. 4150-2	PZ2 × 100 mm	6.0 mm

DIN 5260-PH
ISO 8764-PH

ERGOKRAFT

S2 quality | 8 PCS

Socket nut driver tray
Bandeja de destornilladores de tuercas
Conjunto de Cháves de caixa de punho

Art.
4900-31B

L1 402 × **L2** 173 × **L3** 48 mm

Art. 4127-055	5.5 mm
Art. 4127-06	6 mm
Art. 4127-07	7 mm
Art. 4127-08	8 mm
Art. 4127-10	10 mm
Art. 4127-11	11 mm
Art. 4127-12	12 mm
Art. 4127-13	13 mm

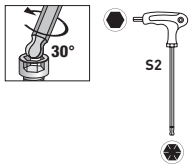
ERGOKRAFT

S2 quality | 7 PCS

Ballpoint hex T-screwdriver tray
Bandeja destornilladores hexagonales bola en T
Conjunto de chaves sextavadas interior

Art.
4900-25B

L1 402 × **L2** 173 × **L3** 48 mm



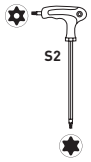
Art. 3636-3	3 mm
Art. 3636-4	4 mm
Art. 3636-5	5 mm
Art. 3636-6	6 mm
Art. 3636-7	7 mm
Art. 3636-8	8 mm
Art. 3636-10	10 mm

S2 quality | 7 PCS

TX T-screwdriver tray
Bandeja destornilladores TX en T
Conjunto de chaves T TX

Art.
4900-26B

L1 402 × **L2** 173 × **L3** 48 mm



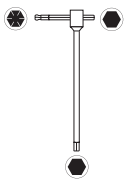
Art. 3637-10	T10
Art. 3637-15	T15
Art. 3637-20	T20
Art. 3637-25	T25
Art. 3637-27	T27
Art. 3637-30	T30
Art. 3637-40	T40

9 PCS

Hexagon T-handle wrench tray
Bandeja llaves T hexagonales
Conjunto de chaves T sextavadas interior

Art.
4900-35B

L1 402 × **L2** 173 × **L3** 48 mm



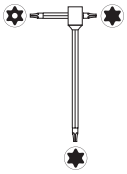
Art. 2593-02	2 mm
Art. 2593-025	2.5 mm
Art. 2593-03	3 mm
Art. 2593-04	4 mm
Art. 2593-05	5 mm
Art. 2593-06	6 mm
Art. 2593-07	7 mm
Art. 2593-08	8 mm
Art. 2593-10	10 mm

9 PCS

TX T-handle wrench tray
Bandeja llaves T TX
Conjunto de chaves T TX

Art.
4900-36B

L1 402 × L2 173 × L3 48 mm



Art. 2594-10	T10
Art. 2594-15	T15
Art. 2594-20	T20
Art. 2594-25	T25
Art. 2594-27	T27
Art. 2594-30	T30
Art. 2594-40	T40
Art. 2594-45	T45
Art. 2594-50	T50

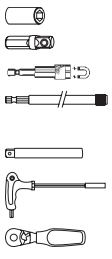
85 PCS

Universal special tool and bit-ratchet/-driver tray
Bandeja herramientas y puntas especiales
Conjunto especial de bit e roquetes/punhos

Art.
4900-19B

L1 402 × L2 173 × L3 48 mm

6 4-4.5-5.5-6-6.5-8 mm
4 PH 1-2-3-4
4 PZ 1-2-3-4
8 T8-T10-T15-T20 T-25-T27-T30-T40
8 T8-T10-T15-T20 T-25-T27-T30-T40
6 3-4-5-6-7-8 mm
6 2-2.5-3-4-5-6 mm
6 5/64"-3/32"-7/64" 1/8"-9/64"-5/32"
3 Nos. 6-8-10
4 Nos. 1-2-3-4
4 Nos. 4-6-8-10



1/4" 1/4"
1/4" 1/4"
1/4" 1/4"
Art. 3766 150 mm
Art. 3767 300 mm
90 mm
Art. 3634
Art. 3798

4 6-8-10-12 mm
4 PH 1-2-3-4
4 T30-T40-T45-T50
3/8" 5/16"
5/16" 3/8"
90 mm
150 mm
Art. 2035S

3/8" | 16 PCS

Electrician hex key wrench and socket wrench set VDE

with fully isolated reversible ratchet handle 1000V

Bandeja llaves hexagonales y llaves de vaso electricista VDE

con carraca reversible completamente aislado 1000V

Conjunto de chaves sextavadas em "L" e chaves de caixa de electricistas VDE

com roquete manual reversível completamente isolado 1000V

Art.
4900-61B

L1 402 × **L2** 173 × **L3** 48 mm

8	8-10-12-13-14-17-19-22 mm	
Art. 3136-025	2.5	× 126 mm
Art. 3136-03	3.0	× 126 mm
Art. 3136-04	4.0	× 160 mm
Art. 3136-05	5.0	× 160 mm
Art. 3136-06	6.0	× 200 mm
Art. 3136-08	8.0	× 200 mm
Art. 207150V	3/8"	× 150 mm
Art. 3210V		200 mm

1000 V IEC 60900

8 PCS

Electrician socket nut driver set VDE

Bandeja de destornilladores stecker electricista VDE

Conjunto de chaves de caixa de punho de electricistas VDE

Art.
4900-62B

L1 402 × **L2** 173 × **L3** 48 mm

Art. 3138-07	7.0	× 125 mm
Art. 3138-08	8.0	× 125 mm
Art. 3138-09	9.0	× 125 mm
Art. 3138-10	10.0	× 125 mm
Art. 3138-11	11.0	× 125 mm
Art. 3138-12	12.0	× 125 mm
Art. 3138-13	13.0	× 125 mm
Art. 3138-14	14.0	× 125 mm

1000 V IEC 60900

8 PCS

Electrician screwdriver set VDE

Bandeja de destornilladores electricista VDE

Conjunto de chaves de parafusos de electricista VDE

Art.
4900-63B

L1 402 × **L2** 173 × **L3** 48 mm

Art. 3132-1	2.5 ×	75 mm
Art. 3132-4	4.0 ×	100 mm
Art. 3132-5	5.5 ×	125 mm
Art. 3132-6	6.5 ×	150 mm
Art. 3135-0	PH0 ×	60 mm
Art. 3135-1	PH1 ×	80 mm
Art. 3135-2	PH2 ×	100 mm
Art. 2138	100-250 V	

1000 V IEC 60900

10 PCS

Electrician TX screwdriver set VDE

with bore hole at the tip, for normal TX screws and tamperproof TX screws

Bandeja de destornilladores TX electricista VDE

con punta perforada, para tornillos con y sin punta de seguridad

Conjunto de chaves TX de electricistas VDE

com furo, para parafusos normais e de segurança

Art.
4900-64B

L1 402 × **L2** 173 × **L3** 48 mm

Art. 3133-06	T6 ×	100 mm
Art. 3133-07	T7 ×	100 mm
Art. 3133-08	T8 ×	100 mm
Art. 3133-10	T10 ×	100 mm
Art. 3133-15	T15 ×	100 mm
Art. 3133-20	T20 ×	100 mm
Art. 3133-25	T25 ×	125 mm
Art. 3133-27	T27 ×	125 mm
Art. 3133-30	T30 ×	150 mm
Art. 3133-40	T40 ×	175 mm

1000 V IEC 60900

10 PCS

Electrician hex key wrench and hex screwdriver set VDE

Bandeja llaves y destornilladores hexagonales machos electricista VDE

Conjunto de chaves em "L" e chaves de parafusos sextavadas de electricistas VDE

Art.
4900-65B

L1 402 × **L2** 173 × **L3** 48 mm

1000 V IEC 60900

Art. 3134-025	2.5 ×	100 mm
Art. 3134-03	3.0 ×	100 mm
Art. 3134-04	4.0 ×	125 mm
Art. 3134-05	5.0 ×	150 mm
Art. 3134-06	6.0 ×	175 mm
Art. 3134-08	8.0 ×	200 mm

Art. 3136-03	3.0 ×	126 mm
Art. 3136-04	4.0 ×	160 mm
Art. 3136-05	5.0 ×	160 mm
Art. 3136-06	6.0 ×	200 mm

6 PCS

Electrician pliers and cutting tool set VDE

Bandeja alicates y herramientas de corte electricista VDE

Conjunto de alicates e de ferramentas de corte de electricistas VDE

Art.
4900-67B

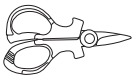
L1 402 × **L2** 173 × **L3** 48 mm

1000 V IEC 60900

Art. 3281-180V DIN ISO 5746 — 180 mm

Art. 3282-160V DIN ISO 5749 — 160 mm

Art. 3285-200V DIN ISO 5745 — 200 mm



Art. 2251V

Art. 3321V

Art. 3321-4V

4 PCS

HIGHTECH

Electrician pliers tray VDE
Bandeja alicates electricista VDE
Conjunto de alicates de electricistas VDE

Art.
4900-43B

L1 402 × **L2** 173 × **L3** 48 mm

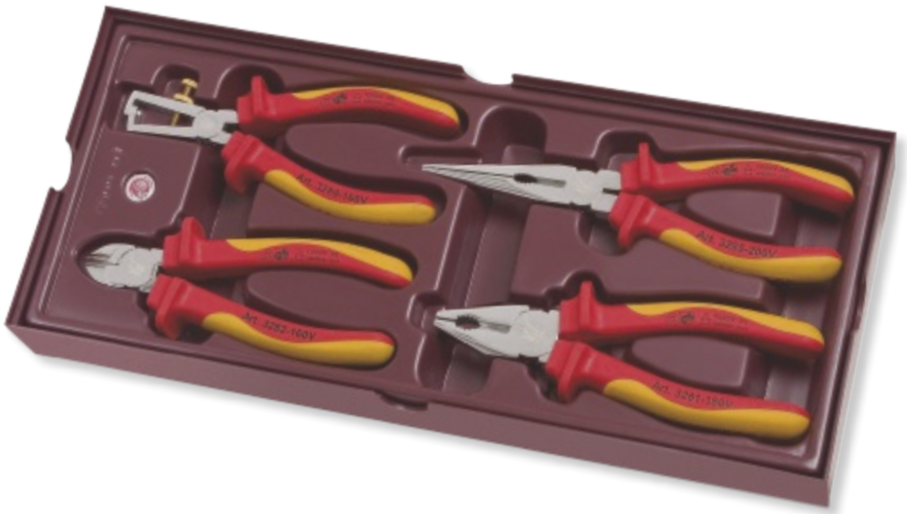
Art. 4211-180 DIN ISO 5746	180 mm	K C H
Art. 4212-160 DIN ISO 5749	160 mm	K C H
Art. 4215-205 DIN ISO 5745	200 mm	C H
Art. 4219-160 DIN ISO 5232	160 mm	

1000 V IEC 60900

K C H

220 N/mm² **1800** N/mm²

4 PCS



Electrician pliers tray VDE
Bandeja alicates electricista VDE
Conjunto de alicates de electricistas VDE

Art.
4900-42B

L1 402 × **L2** 173 × **L3** 48 mm

Art. 3281-180V DIN ISO 5746	180 mm
Art. 3282-160V DIN ISO 5749	160 mm
Art. 3285-200V DIN ISO 5745	205 mm
Art. 3289-160V DIN ISO 5232	160 mm

1000 V IEC 60900

HIGHTECH 3C

4 PCS

Industrial pliers tray
with 3 component handles

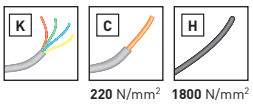
Bandeja alicates industriales
con mangos de 3 componentes

Conjunto de alicates industriais
com punhos de 3 componentes

Art.
4900-33B

L1 402 × **L2** 173 × **L3** 48 mm

Art. 4271-180 DIN ISO 5746	180 mm	K C H
Art. 4272-160 DIN ISO 5749	160 mm	K C H
Art. 4275-205 DIN ISO 5745	205 mm	C H
Art. 4279-160 DIN ISO 5232	160 mm	



220 N/mm² **1800** N/mm²

4 PCS

Pliers tray
Bandeja alicates
Conjunto de alicates

Art.
4900-07B

L1 402 × **L2** 173 × **L3** 48 mm

Art. 3281-180 DIN ISO 5746	180 mm
Art. 3282-160 DIN ISO 5749	160 mm
Art. 3285-200 DIN ISO 5745	200 mm
Art. 3289-160 DIN ISO 5232	160 mm

5 PCS

Universal pliers tray
Bandeja universal alicates
Conjunto universal de alicates

Art.	
4900-57B1	4224-250
4900-57B2	4223-240
4900-57B3	4222-250

L1 402 × **L2** 173 × **L3** 48 mm

HIGHTECH

4900-57B1 / Art. 4224-250

HIGHTECH 3C — Art. 4276-205 — 205 mm — DIN ISO 5745

CrMo — Art. 3292-250 — max. 250/10"

ERGOKRAFT — Art. 3290-230 — 230 mm — 1.5 - 6 mm² — 1.5 - 4.6 mm²

VICTORINOX

4900-57B2 / Art. 4223-240

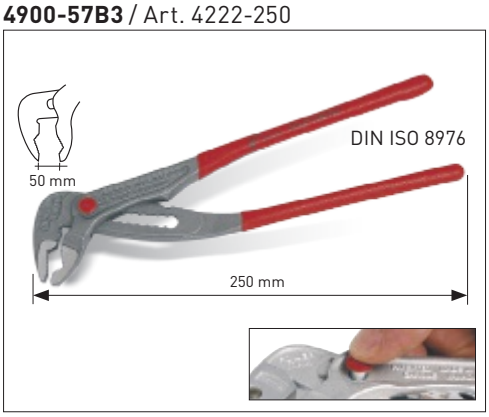
HIGHTECH 3C — Art. 4276-205 — 205 mm — DIN ISO 5745

CrMo — Art. 3292-250 — max. 250/10"

ERGOKRAFT — Art. 3290-230 — 230 mm — 1.5 - 6 mm² — 1.5 - 4.6 mm²

VICTORINOX

4900-57B3 / Art. 4222-250



HIGHTECH 3C — Art. 4276-205 — 205 mm — DIN ISO 5745

CrMo — Art. 3292-250 — max. 250/10"

ERGOKRAFT — Art. 3290-230 — 230 mm — 1.5 - 6 mm² — 1.5 - 4.6 mm²

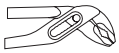
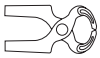
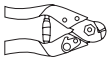
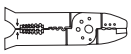
VICTORINOX

4 PCS

Universal pliers tray
Bandeja universal alicates
Conjunto universal de alicates

Art.
4900-08B

L1 402 × **L2** 173 × **L3** 48 mm

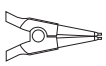
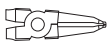
	Art. 2221-250 DIN ISO 8976	250 mm		
	Art. 2216-200 DIN ISO 9243	200 mm	S H	
	Art. 2262-07	7-1/2" 195 mm		
	Art. 2225	240 mm	1.5 - 6 mm²	1.5 - 4.6 mm²

4 PCS

Circlips pliers tray
Bandeja alicates arandelas
Conjunto de alicates de freios

Art.
4900-09B

L1 402 × **L2** 173 × **L3** 48 mm

	Art. 2212-A2 DIN ISO 5254A	A2	Ø 19-60 mm
	Art. 2213-A21 DIN ISO 5254B	A21	
	Art. 2214-J2 DIN ISO 5256C	J2	
	Art. 2215-J21 DIN ISO 5256D	J21	

5 PCS

Adjustable wrench and pliers tray
Bandeja llaves ajustables y alicates
Conjunto de chaves crescentes e de alicates

Art.
4900-21B

L1 402 × **L2** 173 × **L3** 48 mm

ERGOKRAFT	Art. 3572	150 mm / 6"	0-13 mm
	Art. 3573	200 mm / 8"	0-25 mm
	DIN 3117 / ISO 6787		
ERGOKRAFT M2	Art. 2243	250 mm	HRC 58-60
	Art. 3292-175	175 mm / 7"	CrMo
	Art. 3292-150	150 mm / 6"	CrMo

11 PCS

Files tray
Bandeja limas
Conjunto de limas

ERGOKRAFT

Art.
4900-10B

L1 402 × **L2** 173 × **L3** 48 mm

	Art. 4320-1 DIN 7261	320 mm	Art. 4321
	Art. 4320-2 DIN 7261	320 mm	
	Art. 4320-3 DIN 7261	320 mm	
	Art. 4320-4 DIN 7261	320 mm	
	Art. 4320-5 DIN 7261	320 mm	

22 PCS

Cutting tool tray
Bandeja herramientas corte
Conjunto de ferramentas de corte

Art.
4900-11B

L1 402 × **L2** 173 × **L3** 48 mm

ERGOKRAFT	Art. 3310	9 mm	ERGOKRAFT	Art. 3308-1	
12×	Art. 3313	9 mm	HSS-Bimetall	Art. 3316-24	300 mm
ERGOKRAFT	Art. 3312	18 mm	ERGOKRAFT	Art. 2240	
5×	Art. 3314	18 mm			
	Art. 3305	300 mm			

11 PCS

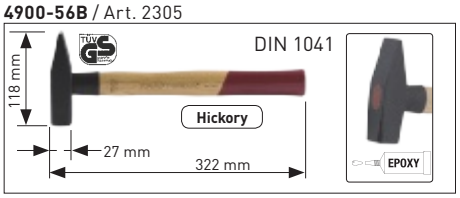
Striking tool tray
Bandeja herramientas golpe
Conjunto de martelos e punções

4900-56B / Art. 2305

Art.		
4900-56B	Art. 2305	500 g
4900-66B	Art. 2319	500 g

L1 402 × **L2** 173 × **L3** 48 mm

4900-56B / Art. 2305



4900-66B / Art. 2319

HICKORY	Art. 2336	Ø 35 mm
	Art. 3380-18	18 mm
	Art. 3380-22	22 mm
	DIN 6451/53	
	Art. 1350-2	2 mm
	Art. 1350-3	3 mm
	Art. 1350-4	4 mm
	Art. 1350-5	5 mm
	Art. 1350-6	6 mm
	Art. 1350-8	8 mm
	DIN 6450 Form C	
	Art. 1358-2	No. 2
	DIN 7250	

9 PCS

Measuring tool tray
Bandeja herramienta medición
Conjunto de medição

Art.
4900-12B

L1 402 × **L2** 173 × **L3** 48 mm

Art. 4701-0519	5 m × 19 mm	
Art. 2970	150 mm × 0.05 mm	6" × 1/128"
Art. 2975	0-25 mm × 0.01 mm	
Art. 2976	300 mm × 28 mm	
Art. 2977	200 mm	
Art. 2978	100 mm × 70 mm	
Art. 2974	0.05-0.1-0.15-0.2-0.3-0.4-0.5-0.6-0.7-0.8 mm	
Art. 3196	130-630 mm / 2000 g	
Art. 4996		

HSS-G 40 PCS

Drill bit and tap + die tray
Bandeja brocas-machos-terrajas
Conjunto de ferramentas de corte

Art.
4900-34B

L1 402 × **L2** 173 × **L3** 48 mm

HSS-G

Art. 23030	M3
Art. 23040	M4
Art. 23050	M5
Art. 23060	M6
Art. 23080	M8
Art. 23100	M10
Art. 23120	M12

Art. 24200	0.25-6 mm / 60°
Art. 24015 DIN 1814	M2-M12
Art. 24110 DIN 1814	M3-M10

HSS-G

Art. 11904 DIN 338 N	1-1.5-2-2.5-3-3.5-4 4.5-5-5.5-6-6.5-7-7.5 8-8.5-9-9.5-10 mm

HSS-G

Art. 11033	3.3 mm
Art. 11042	4.2 mm
Art. 11068	6.8 mm
Art. 11102 DIN 338 N	10.2 mm

HSS-G

Art. 25030	M3
Art. 25040	M4
Art. 25050	M5
Art. 25060	M6
Art. 25080	M8
Art. 25100	M10
Art. 25120 DIN 371	M12

HSS-G 42 PCS

Drill bit and tap + die tray
Bandeja brocas-machos-terrajas
Conjunto de ferramentas de corte

Art.
4900-59B

L1 402 × **L2** 173 × **L3** 48 mm

HSS-G
Ø 25 mm

Art. 26030	M3
Art. 26040	M4
Art. 26050	M5
Art. 26060	M6
Art. 26080	M8
Art. 26100	M10
Art. 26120	M12

DIN / ISO 261

Art. 24200	0.25-6 mm / 60°
Art. 24010	M3-M12

DIN 225

Art. 24015	M2-M12

DIN 1814

Art. 24110	M3-M10

DIN 1814

HSS-G

Art. 11904	1-1.5-2-2.5-3-3.5-4

DIN 338 N 4.5-5-5.5-6-6.6-7-7.5 8-8.5-9-9.5-10 mm

HSS-G

Art. 11033	3.3 mm
Art. 11042	4.2 mm
Art. 11068	6.8 mm
Art. 11102	10.2 mm

DIN 338 N

HSS-G

Art. 25030	M3
Art. 25040	M4
Art. 25050	M5
Art. 25060	M6
Art. 25080	M8
Art. 25100	M10
Art. 25120	M12

DIN 371

Art. 3240S	0.5 mm

HSS-G 77 PCS

Threaded coil-insert repair tray
Bandeja reparación roscas
Conjunto de reparação de roscas

Art.
4900-51B

L1 402 × **L2** 173 × **L3** 48 mm

M4-M12, M6-M20
3/18"-1/2", 1/4"-3/4"

M5×0.8, M6×1.0, M8×1.25, M10×1.5, M12×1.75, M14×1.25

M5×0.8, M6×1.0, M8×1.25, M10×1.5, M12×1.75, M14×1.25

HSS-G
M5×0.8, M6×1.0, M8×1.25, M10×1.5, M12×1.75, M14×1.25

215-640 mm

0.5-1.75 mm

16	M5-0.8
12	M6-1.0
10	M8-1.25
6	M10-1.5
5	M12-1.75
4	M14-1.25

HSS bimetal
M42+8%Co

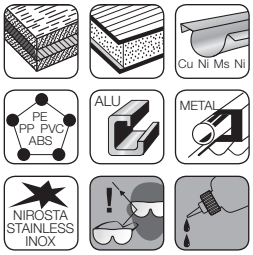
Hole saw tray
Bandeja coronas perforadas
Conjunto de serras cranianas

Art.		
4900-39B	⬢	✓
4900-39BS	SDS plus	

L1 402 × **L2** 173 × **L3** 48 mm

16 PCS
15 PCS

	⬢	SDS plus		
	Art. 19001	Art. 19005	14-30 mm / 3/8"	
	Art. 19002	Art. 19006	32-76 mm / 7/16"	
	Art. 19003		300 mm / 3/8"	
	Art. 19190	19 mm	Art. 19380	38 mm
	Art. 19200	20 mm	Art. 19440	44 mm
	Art. 19220	22 mm	Art. 19510	51 mm
	Art. 19250	25 mm	Art. 19570	57 mm
	Art. 19290	29 mm	Art. 19680	68 mm
	Art. 19320	32 mm	Art. 19760	76 mm
	Art. 19350	35 mm		



Modular workshop LED light tray

- extra strong 3 W COB LED lamp head
- extremely flat light head with 10 SMD LED 3 W for illuminating narrow space conditions
- flash light head with zoom function
- gooseneck light head
- 2 rechargeable exhangeable batteries
- vacuum suction lamp holder
- charging base battery-indicator, USB-mini charging cable and adapter for 100-240 V as well as 12-24 V car-/truck-adapter

Bandeja lámparas modulares LED taller

- *lámpara extra fuerte de cabeza 3 W COB LED*
- *lámpara extraplana de cabeza con 10 SMD LED 3W, para iluminar en sitios de difícil acceso*
- *lámpara de bolsillo con función zoom*
- *lámpara flexo cuello de cisne*
- *2 baterías recargables e intercambiables*
- *soporte de ventosa para lámparas*
- *indicador de carga de batería, cable de carga USB-mini, adaptadores 100-240 V y 12-24 V.*

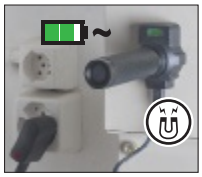
Conjunto modular de gambiarras LED para oficinas

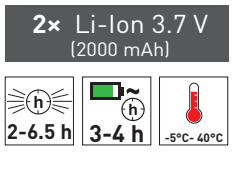
- Gambiarra de cabeça articulada extra forte COB LED 3W
- Gambiarra de cabeça ultra fina com 10 SMD LED 3W para iluminação de locais de acesso difícil
- Cabeça da lanterna com função zoom
- Gambiarra "pescoço de cisne"
- 2 baterias recarregáveis e alternáveis
- Suporte ventosa para gambiarras
- Base carregadora com indicador de bateria, cabo mini carregador USB 100-240 V e adaptador para automóvel e camião 12-24 V.

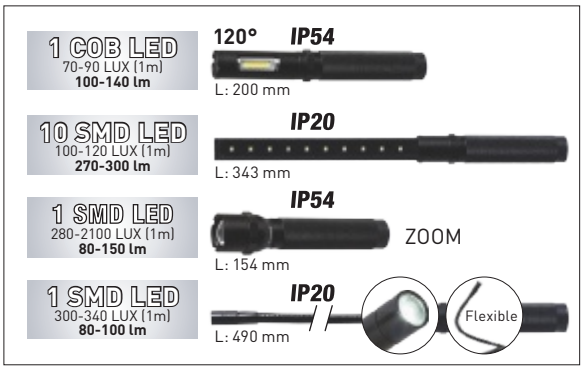
11 PCS

Art. 4900-73B

421 x 200 x 68 mm







Art.
4900-73B

Tire pressure sensor tool tray

suitable for TPMS, for removing and mounting tyre pressure control systems. Optimal composition for all car models.

Bandeja útiles con sensor para la presión de neumáticos

adecuado para TPMS, para extraer y montar los sistemas de control de presión de neumáticos. Composición óptima para todos los modelos.

Gaveta para ferramenta de sensores de pressão de pneus

compatível com TPMS, para remoção e montagem de sistemas de controlo da pressão dos pneus. Composição optimizada para todos os modelos.

1/4" 15 PCS

AUTOMOTIVE

2 11-12 mm

3 T10-T15-T20
4.5 mm

50 mm

Art. 3231
2.5-12 Nm / 20-105 Lb.in

1/4" 1/4"

140 mm

1/4" 100 mm

1/4"

1/4" 4 mm 0 Lb.in 150 mm
0.5-3.5 Nm / 4.5-30 Lb.in 150 mm

2 0.25-0.45 Nm / 2.2-4 Lb.in 120 mm

2 mm

421 x 200 x 68 mm

Art.
4900-74B

Adhesive weight pliers set

Juego herramientas para eliminar adhesivos

Conjunto de alicates para pesos de rodas

Art. 4257-240 240 mm

Art. 3843 225 mm

Art. 3843RE Ø 100 x 15 mm

EN

SP

PT

5 PCS

AUTOMOTIVE

421 x 200 x 68 mm

Art.
4900-75B

Special tray for small parts
Bandeja piezas pequeñas
Bandeja vazia para pequenas peças

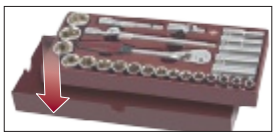
Art.
4900-37B

L1 402 × **L2** 173 × **L3** 48 mm

ABS injection tray
empty
Bandeja en ABS
vacía
Bandeja em ABS
vazia

Art.
4900E

L1 402 × **L2** 173 × **L3** 48 mm



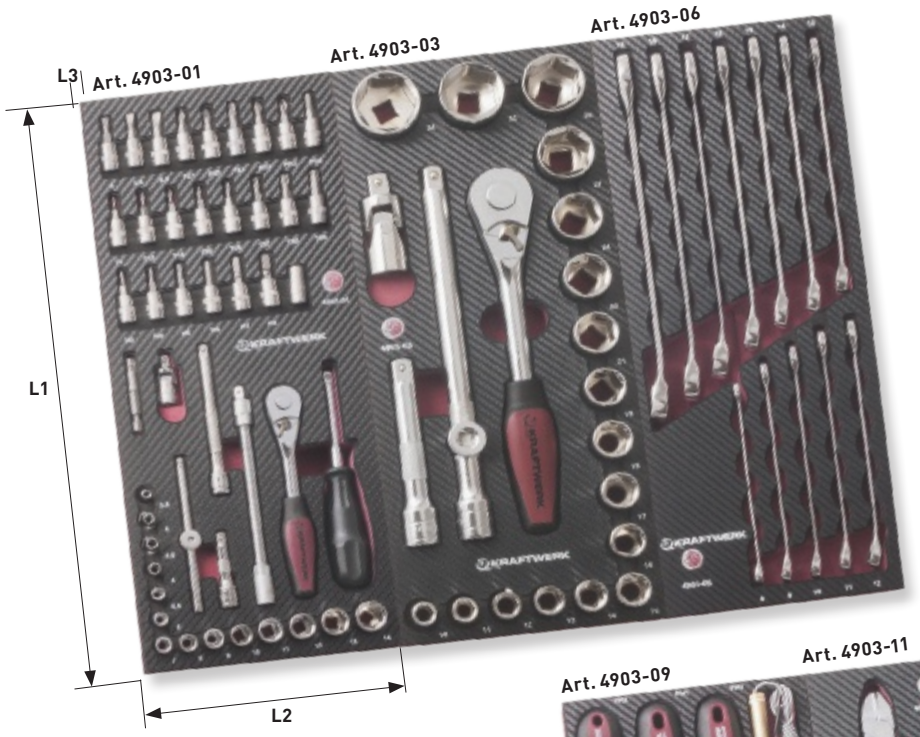
ABS blow mould case
for COMPLETO trays, empty
Estuche en ABS
para conjuntos COMPLETO, vacío
Mala em ABS
vazia para conjuntos COMPLETO

Art.
4900K

L1 421 × **L2** 200 × **L3** 68 mm

COMPLETO
KRAFTWERK

COMPLETO EVA3 SERIE 4903



1/4" 1/2" 104 PCS

Tool-assortment
basic for 2 drawers

Surtido herramientas
básico para 2 cajones

Sortido de ferramentas
básico para 2 gavetas

Art.	
4931	4903-01, 4903-03, 4903-06, 4903-09, 4903-11, 4903-13

L1 394 × **L2** 168 × **L3** 30 mm

Tool-assortment
with tool-cabinet

Surtido herramientas
con carros

Sortido de ferramentas
com carro

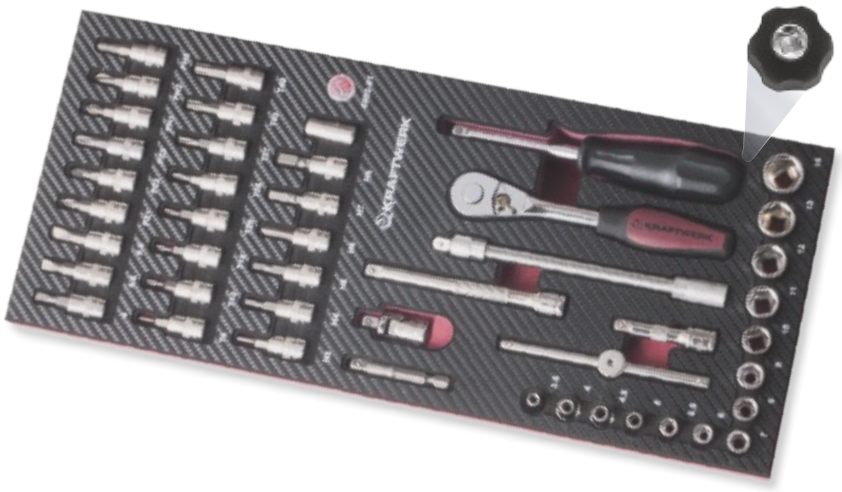
	Art.
1	3907-4931
2	3908-4931
3	3905-4931
4	3934-4931
5	2905-4931
6	2907-4931
7	2904-4931

1/4" 1/4" 46 PCS

Socket wrench tray
Bandeja con llaves de vaso
Gaveta com chaves de caixa

Art.
4903-01

394 x 168 x 30 mm



14		3.5-4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm
3		4-5.5-6.5 mm
3		PH 1-2-3
3		PZ 1-2-3
8		T8-T10-T15-T20-T25-T27-T30-T40
6		3-4-5-6-7-8 mm
		1/4" 1/4"
		1/4" 1/4"

2		50 mm / 100 mm
		150 mm
		115 mm
		1/4" 1/4"
		1/4" 1/4"

45 Art. 3200

3/8" 32 PCS

Socket wrench tray
Bandeja con llaves de vaso
Gaveta com chaves de caixa

Art.
4903-02

394 x 168 x 30 mm

15		8-9-10-11-12-13-14-15-16-17-18-19-21-22-24 mm
8		10-11-12-13-14-15-17-19 mm
2		16 mm / 21 mm
		3/8" 3/8"
2		75 mm / 250 mm
		1/2" 3/8"
		3/8" 1/4"
		1/4" 3/8"

45 Art. 3210

1/2" 22 PCS

Socket wrench tray
Bandeja con llaves de vaso
Gaveta com chaves de caixa

Art.
4903-03

394 x 168 x 30 mm

	17	10-11-12-13-14-15-16-17-18 19-21-22-24-27-30-32-34 mm
		○ 1/2" ■ 1/2"
	2	125 mm / 250 mm
		○ 3/8" ■ 1/2"

45 Art. 3220

1/2" S2 quality 19 PCS

Bit-socket tray
Bandeja con vasos-punta
Gaveta com pontas

Art.
4903-04

394 x 168 x 30 mm

S2 55 mm	5	⬢ 5-6-7-8-10 mm
	5	⬢ M5-M6-M8-M10-M12
S2 100 mm	5	⬢ 6-7-8-10-12 mm
	4	⬢ M5-M6-M8-M10

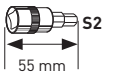
1/2" | S2 quality | 19 PCS

Socket and bit-socket tray
Bandeja con vasos y vasos-punta
Gaveta com chaves de caixa e pontas

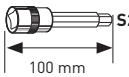
Art.
4903-05

394 x 168 x 30 mm

8 E10-E12-E14-E16-E18-E20-E22-E24



6 T30-T40-T45-T50-T55-T60



5 T30-T40-T45-T50-T55

12 PCS

Combination wrench tray
Bandeja con llaves combinadas
Gaveta com chaves variadas

Art.
4903-06

394 x 168 x 30 mm

DIN 3113

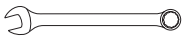
Art. 3508	8 mm
Art. 3509	9 mm
Art. 3510	10 mm
Art. 3511	11 mm
Art. 3512	12 mm
Art. 3513	13 mm
Art. 3514	14 mm
Art. 3515	15 mm
Art. 3516	16 mm
Art. 3517	17 mm
Art. 3518	18 mm
Art. 3519	19 mm

8 PCS

Combination wrench tray
Bandeja con llaves combinadas
Gaveta com chaves variadas

Art.
4903-07

394 x 168 x 30 mm



DIN 3113

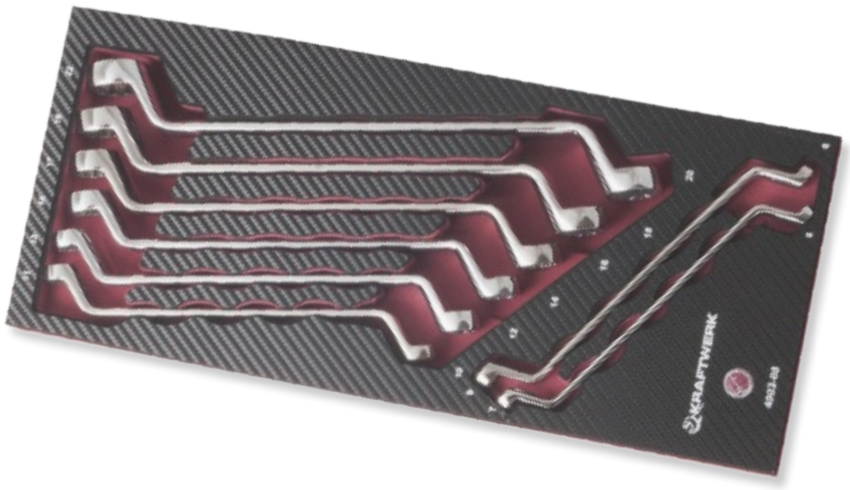
Art. 3505	5.5 mm
Art. 3506	6 mm
Art. 3507	7 mm
Art. 3520	20 mm
Art. 3521	21 mm
Art. 3522	22 mm
Art. 3523	23 mm
Art. 3524	24 mm

8 PCS

Double offset ring wrench tray
Bandeja con llaves acodadas
Gaveta com chaves luneta variadas

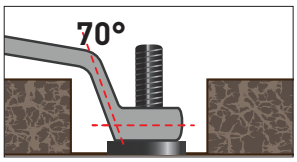
Art.
4903-08

394 x 168 x 30 mm



DIN 838

Art. 3480	6 × 7 mm	Art. 3484	14 × 15 mm
Art. 3481	8 × 9 mm	Art. 3485	16 × 17 mm
Art. 3482	10 × 11 mm	Art. 3486	18 × 19 mm
Art. 3483	12 × 13 mm	Art. 3487	20 × 22 mm



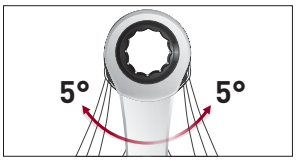
COMBINATION CLICKRAFT

12 PCS

Combination wrench tray
Bandeja con llaves combinadas
Gaveta com chaves variadas

Art.
4903-16

394 x 168 x 30 mm



DIN 3113

Art. 3408	8 mm
Art. 3409	9 mm
Art. 3410	10 mm
Art. 3411	11 mm
Art. 3412	12 mm
Art. 3413	13 mm
Art. 3414	14 mm
Art. 3415	15 mm
Art. 3416	16 mm
Art. 3417	17 mm
Art. 3418	18 mm
Art. 3419	19 mm

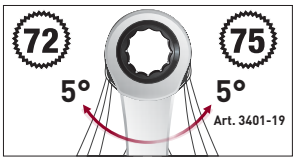
COMBINATION + DOUBLE RATCHET CLICKRAFT

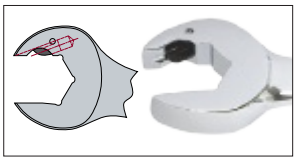
12 PCS

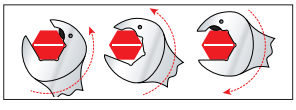
Double ratchet combination wrench tray
Bandeja llaves combinadas con doble carraca
Gaveta de chaves de boca-luneta com roquete duplo

Art.
4903-17

394 x 168 x 30 mm







DIN 3113

Art. 3401-08	8 mm
Art. 3401-09	9 mm
Art. 3401-10	10 mm
Art. 3401-11	11 mm
Art. 3401-12	12 mm
Art. 3401-13	13 mm
Art. 3401-14	14 mm
Art. 3401-15	15 mm
Art. 3401-16	16 mm
Art. 3401-17	17 mm
Art. 3401-18	18 mm
Art. 3401-19	19 mm

REVERSIBLE CLICKRAFT

12 PCS

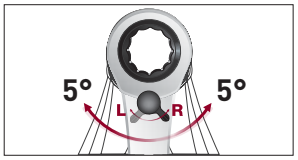
Reversible ratchet combination wrench tray

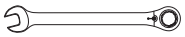
Bandeja llaves combinadas reversibles con carraca

Gaveta de chaves de boca-luneta com roquete reversível

Art.
4903-18

394 x 168 x 30 mm





DIN 3113

Art. 3404-08	8 mm
Art. 3404-09	9 mm
Art. 3404-10	10 mm
Art. 3404-11	11 mm
Art. 3404-12	12 mm
Art. 3404-13	13 mm
Art. 3404-14	14 mm
Art. 3404-15	15 mm
Art. 3404-16	16 mm
Art. 3404-17	17 mm
Art. 3404-18	18 mm
Art. 3404-19	19 mm

13 PCS

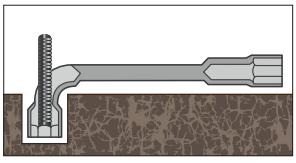
Elbow milled open wrench trays

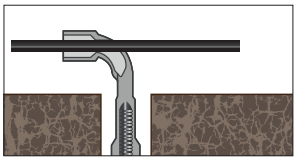
Bandeja llaves pipa

Conjunto de chaves de cachimbo

Art.	
4903-29	

394 x 168 x 30 mm





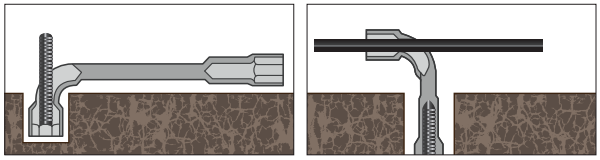
Art. 2597-07	7 mm	Art. 2597-14	14 mm
Art. 2597-08	8 mm	Art. 2597-15	15 mm
Art. 2597-09	9 mm	Art. 2597-16	16 mm
Art. 2597-10	10 mm	Art. 2597-17	17 mm
Art. 2597-11	11 mm	Art. 2597-18	18 mm
Art. 2597-12	12 mm	Art. 2597-19	19 mm
Art. 2597-13	13 mm		

4 PCS

Elbow milled open wrench trays
Bandeja llaves pipa
Conjunto de chaves de cachimbo

Art.	
4903-30	

394 x 168 x 30 mm



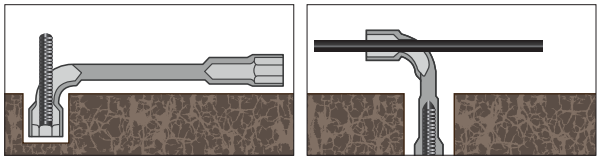
Art. 2597-20 20 mm
Art. 2597-21 21 mm
Art. 2597-22 22 mm
Art. 2597-24 24 mm

3 PCS

Elbow milled open wrench trays
Bandeja llaves pipa
Conjunto de chaves de cachimbo

Art.	
4903-31	

394 x 168 x 30 mm



Art. 2597-27 27 mm
Art. 2597-30 30 mm
Art. 2597-32 32 mm

COMPLETO EVA3 SERIE 4903

ERGOKRAFT

S2 quality | 9 PCS

Screwdriver tray
Bandeja con destornilladores
Gaveta com chaves

Art.
4903-09

394 x 168 x 30 mm

S2 — Art. 4110-2 0.8 × 4 mm
Art. 4110-3 1.0 × 5 mm
Art. 4110-4 1.1 × 6 mm
Art. 4110-5 1.2 × 8 mm

S2 — Art. 4115-1 PH 1
Art. 4115-2 PH 2

S2 — Art. 4112-2 1.1 × 6 mm

S2 — Art. 4117-2 PH 2

Art. 2139 12 V

ERGOKRAFT

S2 quality | 8 PCS

Screwdriver tray
Bandeja con destornilladores
Gaveta com chaves

Art.
4903-10

394 x 168 x 30 mm

S2 — Art. 4125-08 T8
Art. 4125-10 T10
Art. 4125-15 T15
Art. 4125-20 T20
Art. 4125-25 T25
Art. 4125-27 T27
Art. 4125-30 T30
Art. 4125-40 T40

ERGOKRAFT

S2 quality | 8 PCS

Impact screwdriver tray
Bandeja destornilladores de golpe
Gaveta de chaves de parafusos impacto

Art.
4903-19

394 x 168 x 30 mm

S2

Art. 4140-3	5.5	× 100 mm	5.5 mm
Art. 4140-4	6.5	× 125 mm	6.5 mm
Art. 4140-5	8.0	× 150 mm	8.0 mm
Art. 4140-6	10.0	× 175 mm	10.0 mm

S2

Art. 4145-1	PH1	× 75 mm	5.0 mm
Art. 4145-2	PH2	× 100 mm	6.0 mm

S2

Art. 4150-1	PZ1	× 75 mm	5.0 mm
Art. 4150-2	PZ2	× 100 mm	6.0 mm

1/4" | 1/4" | 16 PCS

PB Swissgrip screwdriver tray
Bandeja destornilladores PB Swissgrip
Gaveta de chaves de parafusos PB Swissgrip

Art.
4903-20

394 x 168 x 30 mm

Art. PB 8100 5	1.2	× 8 mm
Art. PB 8100 4-140	1.0	× 6.5 mm
Art. PB 8100 3-120	0.8	× 5.5 mm
Art. PB 8100 2-100	0.6	× 4.0 mm
Art. PB 8100 1- 90	0.5	× 3.5 mm

Art. PB 8190 1- 80	PH1	× 80
Art. PB 8190 2-100	PH2	× 100/6

Art. PB 8451	10	× 30 mm
Art. PB 1750	110-250 V	

PB SWISS TOOLS

1/4" | S2 | T10-T15-T20-T25-T27-T30-T40

S2 quality 29 PCS

Allen key tray
Bandeja de llaves acodadas
Bandeja de chave Allen

Art.
4903-27

394 x 168 x 30 mm

DIN 2936 S2 — Art. 3604
1.5-2-2.5-3-4-5-6-7-8-10 mm

XXL S2 — Art. 3608
T10-T15-T20-T25-T27
T30-T40-T45-T50

XXL S2 — Art. 3609
T10-T15-T20-T25-T27
T30-T40-T45-T50

ERGOKRAFT — Art. 3574 250 mm / 10" 0-30 mm
DIN 3117 / ISO 6787

ERGOKRAFT

S2 quality 7 PCS

Ballpoint T-screwdriver tray
Bandeja destornilladores bola en T
Gaveta de chaves T sextavadas interior

Art.
4903-21

394 x 168 x 30 mm

S2

Art. 3636-3	T3
Art. 3636-4	T4
Art. 3636-5	T5
Art. 3636-6	T6
Art. 3636-7	T7
Art. 3636-8	T8
Art. 3636-10	T10

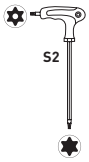
ERGOKRAFT

S2 quality | 7 PCS

TX T-screwdriver tray
Bandeja destornilladores TX en T
Gaveta de chaves T TX

Art.
4903-22

394 x 168 x 30 mm

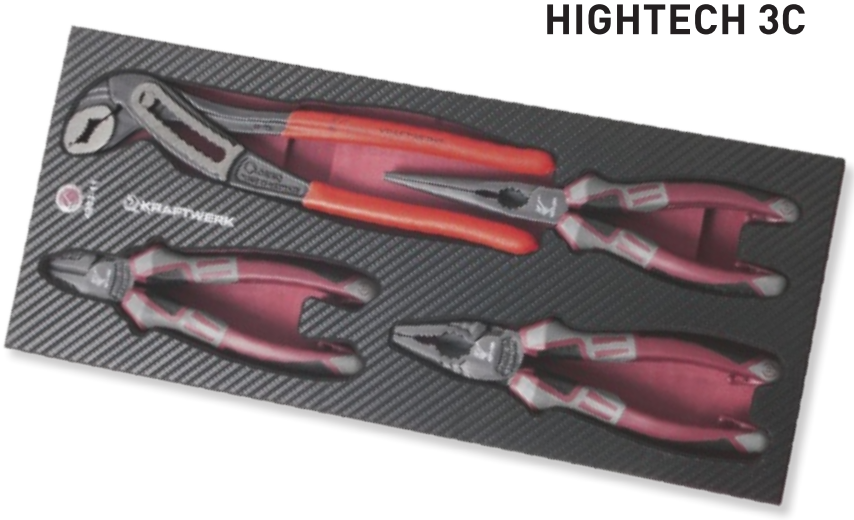


Art. 3637-10	T10
Art. 3637-15	T15
Art. 3637-20	T20
Art. 3637-25	T25
Art. 3637-27	T27
Art. 3637-30	T30
Art. 3637-40	T40

HIGHTECH 3C

4 PCS

Hightech pliers tray
Bandeja de alicates hightech
Bandeja de alicates HIGHTECH



Art.
4903-15

394 x 168 x 30 mm

	Art. 4271-180 DIN ISO 5746	180 mm K C H
	Art. 4272-160 DIN ISO 5749	160 mm K C H
	Art. 4275-205 DIN ISO 5745	205 mm C H
	Art. 4223-240 DIN ISO 8976	240 mm

220 N/mm² **1800** N/mm²

ERGOKRAFT

4 PCS

Pliers tray
Bandeja con alicates
Gaveta com alicates

Art.
4903-11

394 x 168 x 30 mm

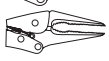
	Art. 3281-180 DIN ISO 5746	180 mm
	Art. 3282-160 DIN ISO 5749	160 mm
	Art. 3285-200 DIN ISO 5745	200 mm
	Art. 3290-250 DIN ISO 8976	250 mm

4 PCS

Locking clamps/tin snip tray
Bandeja surtido tenazas
Bandeja de alicates de pressão e tesoura

Art.
4903-25

394 x 168 x 30 mm

	Art. 2243	250 mm	HRC 58-60
	Art. 3292-175	175 mm / 7"	CrMo
	Art. 3292-250	250 mm / 10"	CrMo
	Art. 3292-150	150 mm / 6"	CrMo

4 PCS

Locking clamps/tin snip tray
Bandeja surtido tenazas
Bandeja de alicates de pressão e tesoura

Art.
4903-26

394 x 168 x 30 mm

ERGOKRAFT M2	Art. 2243	250 mm	HRC 58-60
	Art. 3292-175	175 mm / 7"	CrMo
	Art. 3292-251	250 mm / 10"	CrMo
	Art. 3292-150	150 mm / 6"	CrMo

4 PCS

Pliers/Scissor tray
Bandeja pinzas/tijeras
Bandeja de alicates/tesoura

Art.
4903-28

394 x 168 x 30 mm

	Art. 3289-160C DIN ISO 5232	160 mm
	Art. 2216-200C DIN ISO 9343	200 mm
ERGOKRAFT	Art. 3290-230C	
	Art. 2240C	150 mm

4 PCS

Circlip pliers tray
Bandeja con alicates de arandelas
Gaveta com alicates de freios

Art.
4903-12

394 x 168 x 30 mm

Art. 2212-A2 DIN ISO 5254A	A2	Ø 19-60 mm
Art. 2213-A21 DIN ISO 5254B	A21	
Art. 2214-J2 DIN ISO 5256C	J2	
Art. 2215-J21 DIN ISO 5256D	J21	

18 PCS

Cutting tool tray
Bandeja herramientas corte
Gaveta de ferramentas de corte

Art.
4903-23

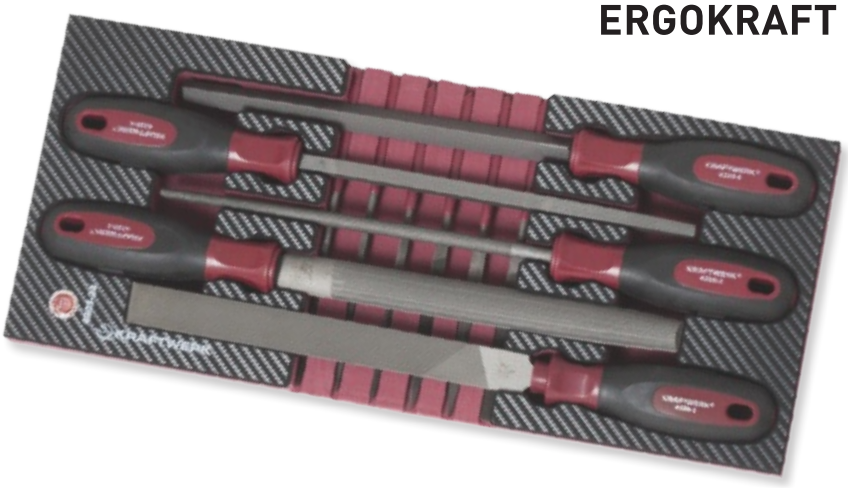
394 x 168 x 30 mm

ERGOKRAFT	Art. 3310	9 mm
10×	Art. 3313	9 mm
ERGOKRAFT	Art. 3312	18 mm
5×	Art. 3314	18 mm
	Art. 3305	300 mm

11 PCS

ERGOKRAFT

Files tray
Bandeja limas
Gaveta de limas



Art.
4903-24

394 x 168 x 30 mm

Art. 4320-1 DIN 7261	320 mm
Art. 4320-2 DIN 7261	320 mm
Art. 4320-3 DIN 7261	320 mm
Art. 4320-4 DIN 7261	320 mm
Art. 4320-5 DIN 7261	320 mm

Art. 4321

11 PCS

Hammer and punch tray
Bandeja con herramientas de golpe
Gaveta com martelo e escopro

Art.
4903-13

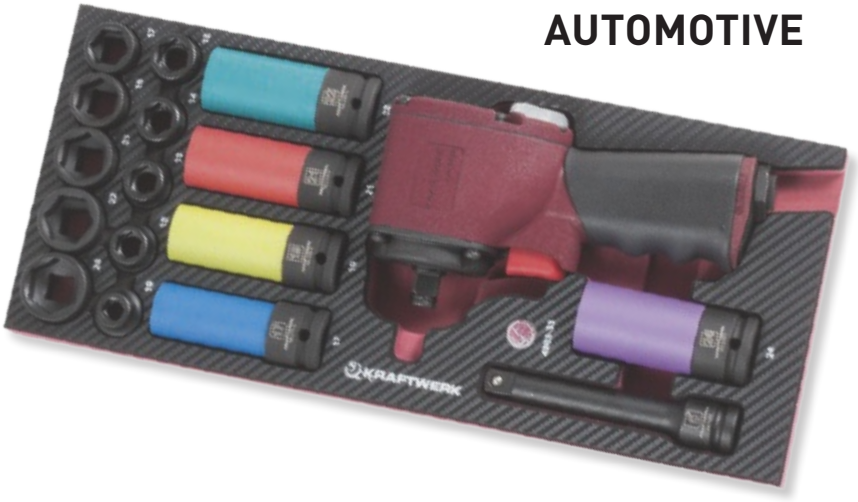
394 x 168 x 30 mm

HICKORY Art. 2305 DIN 1041	500 g
HICKORY Art. 2336	Ø 35 mm
Art. 3380-18	18 mm
Art. 3380-22 DIN 6451/53	22 mm

Art. 1350-2	2 mm	x 115 mm
Art. 1350-3	3 mm	x 125 mm
Art. 1350-4	4 mm	x 150 mm
Art. 1350-5	5 mm	x 165 mm
Art. 1350-6	6 mm	x 180 mm
Art. 1350-8	8 mm	x 180 mm
DIN 6450 Form C		
Art. 1358-2 DIN 7250	No. 2	x 120 mm

COMPLETO EVA3 SERIE 4903

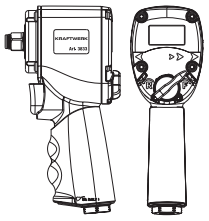
AUTOMOTIVE



Impact wrench tray
Bandeja con herramienta neumática
Bandeja de chave de impacto

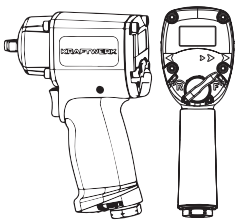
Art.	■	
4903-33	1/2"	3833
4903-34	1/2"	3834

394 x 168 x 30 mm



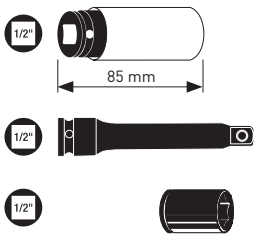
Art. 3833

1/2"	1149 Nm	920 Nm	678 Nm	9500 1 min.	1500 1 min.	<9.0 m/s²	100.2 dBA
1.65 kg	97 mm	1/4" AIR	3/8" AIR mm	133 AIR l/min.	BSP		6.2 max. bar



Art. 3834

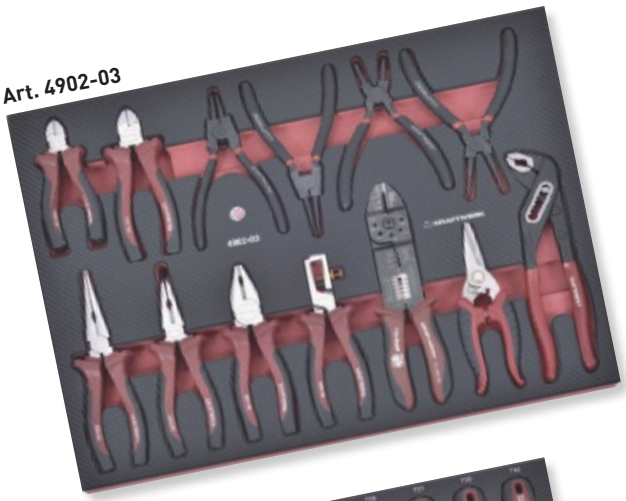
1/2"	744 Nm	140-680 Nm	9000 1 min.	1200 1 min.	<3.6 m/s²	90 dBA
1.6 kg	125 mm	1/4" AIR	10 AIR mm	164 AIR l/min.	BSP	6.2-7 max. bar



Art. 381170-0	○	17 mm
Art. 381190-0		19 mm
Art. 381210-0		21 mm
Art. 381220-0		22 mm
Art. 381240-0		24 mm
Art. 387125	■	125 mm
Art. 382100	○	10 mm
Art. 382120		12 mm
Art. 382130		13 mm
Art. 382140		14 mm
Art. 382150		15 mm
Art. 382170		17 mm
Art. 382190		19 mm
Art. 382210		21 mm
Art. 382220		22 mm
Art. 382240		24 mm

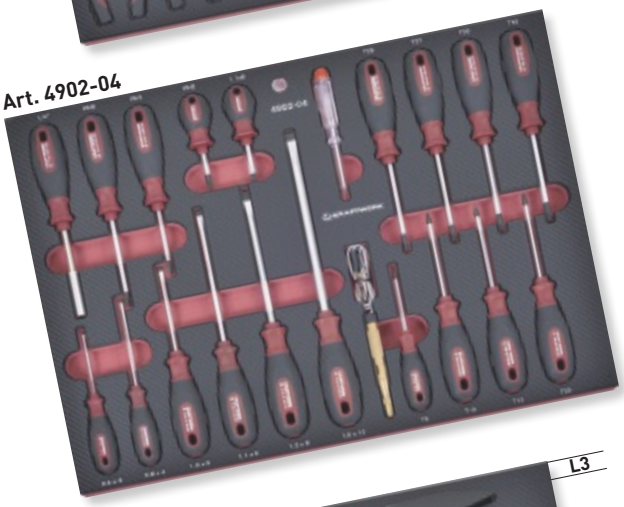
Art. 4902-01

Art. 4902-03

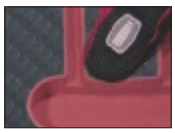


Art. 4902-02

Art. 4902-04



309 PCS



Art. 4902-05

Tool-assortment

with professional tools, shakeproof imbedded in 6 drawers with special high density soft foam (EVA) inserts with a durable hard top lamination which can be well cleaned.

Surtido de herramientas profesionales

encastradas en 6 bandejas especiales de espuma de alta densidad (EVA) con un recubrimiento superior de plástico duro y resistente para un buen mantenimiento y limpieza.

Conjunto de ferramentas profissionais

colocadas em 6 gavetas inseridas em espuma de alta densidade (EVA) com revestimento superior que prolonga a duração e permite manter limpo.

Art. 4902-06

Art.	
4917	3907-1 / 3908 / 3934 / 2907

L1 527 × **L2** 407 × **L3** 30 mm

COMPLETO EVA SERIE 4902

4917

Tool-assortment with tool-cabinets
Composición de herramientas con carros
Sortido de ferramentas com carros

3907-1

3908

Art.		
3907-4917	3907-1	6
3908-4917	3908	8
3934-4917	3934	7
2907-4917	2907	7

2907

3934

HIGHTECH

1/4" 1/2" 154 PCS

Socket wrench set
Bandeja llaves vasos
Conjunto de chaves de caixa

Art.
4902-01

L1 527 × **L2** 407 × **L3** 30 mm

1/4"	14	3.5-4-4.5-5-5.5-6-7-8 9-10-11-12-13-14 mm
	12	4-4.5-5-5.5-6-7-8-9 10-11-12-13 mm
S2	3	4-5.5-6.5 mm
	3	PH 1-2-3
	3	PZ 1-2-3
	8	T8-T10-T15-T20 T25-T27-T30-T40
	6	3-4-5-6-7-8 mm
		1/4" 1/4"
		1/4" 1/4"
	2	50 mm / 100 mm
		150 mm
		105 mm
		1/4" 1/4"
		1/4" 1/4"

95 mm — 72 Art. 3799

60 Art. 4000B +Nm

1/2"	17	10-11-12-13-14-15-16-17-18 19-21-22-24-27-30-32-34 mm
	9	10-13-14-15-16-17-18 19-22 mm
	2	16 mm / 21 mm
		1/2" 1/2"
	2	125 mm / 250 mm
		3/8" 1/2"
		1/2" 5/16"

60 Art. 4020B +Nm

1/4" 25 mm S2

6	4-4.5-5.5-6-6.5-8 mm
4	PH 1-2-3-4
4	PZ 1-2-3-4
8	T8-T10-T15-T20-T-25-T27-T30-T40
8	T8-T10-T15-T20-T-25-T27-T30-T40
6	3-4-5-6-7-8 mm
6	2-2.5-3-4-5-6 mm
6	5/64"-3/32"-7/64"-1/8"-9/64"-5/32"
3	Nos. 6-8-10
4	Nos. 1-2-3-4
4	Nos. 4-6-8-10

1/4" 1/4" 1/4" 1/4"

BIT-Box
Art. 3777
101 × 90 × 32 mm

61 PCS

COMPLETO EVA SERIE 4902

ERGOKRAFT

45 PCS

Spanner and torque wrench set
Bandeja llaves combinadas y llave dinamométrica
Conjunto de chaves de boca-luneta e chave dinamométrica

Art.
4902-02

L1 527 × **L2** 407 × **L3** 30 mm

Art. 3235 C 1/2" 40-200 Nm / 30-150 Lb.ft

DIN 2936 **S2** Art. 3602
1.5-2-2.5-3-4-5-6-7-8-10 mm

XXL **S2** Art. 3607
T10-T15-T20-T25-T27
T30-T40-T45-T50

DIN 3113

Art. 3505	5.5 mm	Art. 3511	11 mm	Art. 3517	17 mm	Art. 3523	23 mm
Art. 3506	6 mm	Art. 3512	12 mm	Art. 3518	18 mm	Art. 3524	24 mm
Art. 3507	7 mm	Art. 3513	13 mm	Art. 3519	19 mm	Art. 3527	27 mm
Art. 3508	8 mm	Art. 3514	14 mm	Art. 3520	20 mm	Art. 3530	30 mm
Art. 3509	9 mm	Art. 3515	15 mm	Art. 3521	21 mm	Art. 3532	32 mm
Art. 3510	10 mm	Art. 3516	16 mm	Art. 3522	22 mm		

ERGOKRAFT
DIN 3117 / ISO 6787

Art. 3572	150 mm / 6"
Art. 3573	200 mm / 8"

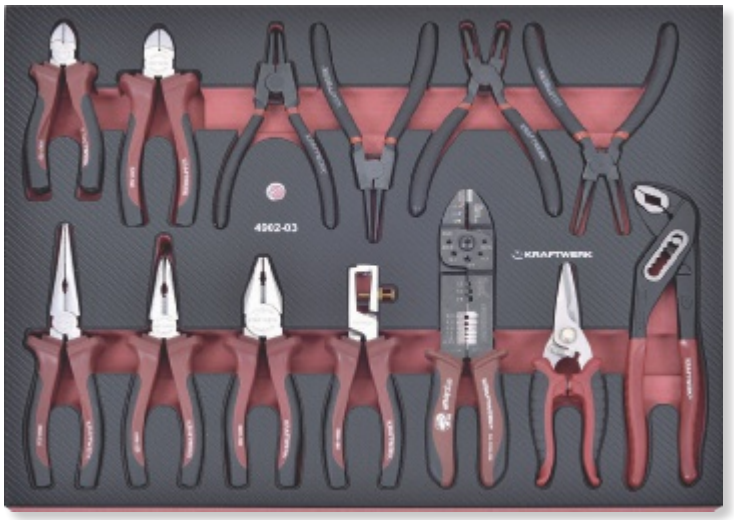
ERGOKRAFT

13 PCS

Pliers set
Bandeja alicates
Conjunto de alicates

Art.
4902-03

L1 527 × **L2** 407 × **L3** 30 mm



Art. 3281-180 DIN ISO 5746	180 mm	
Art. 3282-140 Art. 3282-160 DIN ISO 5749	140 mm 160 mm	
Art. 3285-200 Art. 3286-200 DIN ISO 5745	200 mm 200 mm/45°	
Art. 3289-160 DIN ISO 5232	160 mm	
Art. 2221-250 DIN ISO 8976	250 mm	
Art. 2240 **ERGOKRAFT**	180 mm	

Art. 2212-A2 DIN ISO 5254A	A2	
Art. 2213-A21 DIN ISO 5254B	A21	
Ø 19-60 mm		

Art. 2214-J2 DIN ISO 5256C	J2	
Art. 2215-J21 DIN ISO 5256D	J21	
Art. 3290-230 **ERGOKRAFT**	230 mm	
1.5 - 6 mm²	1.5 - 4-6 mm²	

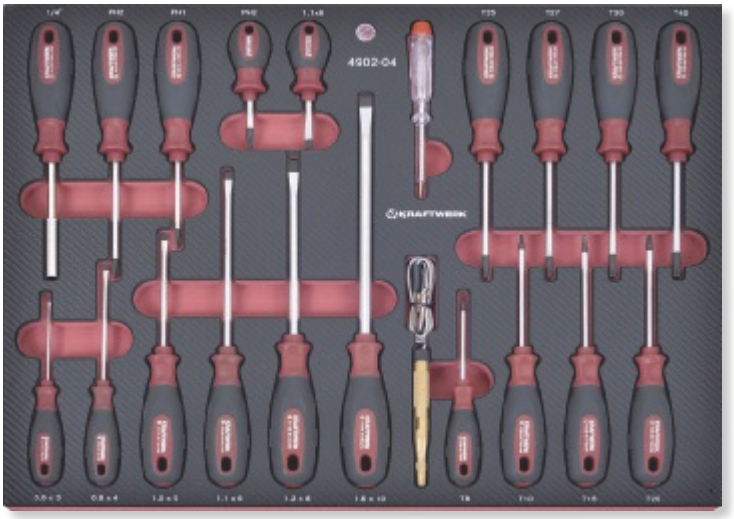
ERGOKRAFT

S2 quality | 21 PCS

Screwdriver set
Bandeja destornilladores
Conjunto de chaves de parafusos

Art.
4902-04

L1 527 × **L2** 407 × **L3** 30 mm



S2
- Art. 4110-1 0.6 × 3 mm
- Art. 4110-2 0.8 × 4 mm
- Art. 4110-3 1.0 × 5 mm
- Art. 4110-4 1.1 × 6 mm
- Art. 4110-5 1.2 × 8 mm
- Art. 4110-6 1.6 × 10 mm

S2
- Art. 4115-1 PH1
- Art. 4115-2 PH2

S2
- Art. 4112-2 1.1 × 6 mm

S2
- Art. 4117-2 PH2

S2
- Art. 4125-08 T8
- Art. 4125-10 T10
- Art. 4125-15 T15
- Art. 4125-20 T20
- Art. 4125-25 T25
- Art. 4125-27 T27
- Art. 4125-30 T30
- Art. 4125-40 T40

- Art. 4128 1/4"

- Art. 2138 100-250 V
- Art. 2139 12 V

ERGOKRAFT

41 PCS

Striking/cutting and measuring tool set
Bandeja herramientas golpe/ medición
Conjunto de percussão e de medição/corte

Art.
4902-05

L1 527 × **L2** 407 × **L3** 30 mm

HICKORY DIN 1041
- Art. 2303 300 g

HICKORY
- Art. 2336 Ø 35 mm

DIN 6450 Form C
- Art. 1350-2 2 mm
- Art. 1350-3 3 mm
- Art. 1350-4 4 mm
- Art. 1350-5 5 mm
- Art. 1350-6 6 mm
- Art. 1350-8 8 mm

DIN 6458
- Art. 1355-2 2 mm
- Art. 1355-3 3 mm
- Art. 1355-4 4 mm
- Art. 1355-5 5 mm
- Art. 1355-6 6 mm

DIN 7250
- Art. 1358-1 No. 1
- Art. 1358-2 No. 2

DIN 6451/53
- Art. 3380-18 18 mm
- Art. 3380-22 22 mm

130-630 mm
- Art. 3196 2000 g

- Art. 32065

- Art. 2976

- Art. 3310 9 mm

12×
- Art. 3313 9 mm

- Art. 3312 18 mm

5×
- Art. 3314 18 mm

DIGITAL
- Art. 2972 150 mm × 0.01 mm 6" × 0.0005"

- 3 m × 16 m

35 PCS

File, saw and drill bit set

Bandeja limas y brocas

Conjunto de limas, de serras e de brocas

Art.
4902-06

L1 527 × **L2** 407 × **L3** 30 mm

Art. 4320-1 DIN 7261	320 mm	
Art. 4320-2 DIN 7261	320 mm	
Art. 4320-3 DIN 7261	320 mm	
Art. 4320-4 DIN 7261	320 mm	
Art. 4320-5 DIN 7261	320 mm	
Art. 4321		
Art. 3305	300 mm	
Art. 3308-1		
Art. 3316-24	300 mm	
Art. 11904 DIN 338 N	1-1.5-2-2.5-3 3.5-4-4.5-5-5.5 6-6.5-7-7.5-8 8.5-9-9.5-10 mm	
Art. 5433	3-30 mm CU	
Art. 5470	Ø 4-40 cm	

12 PCS

T-type universal socket set

extra long

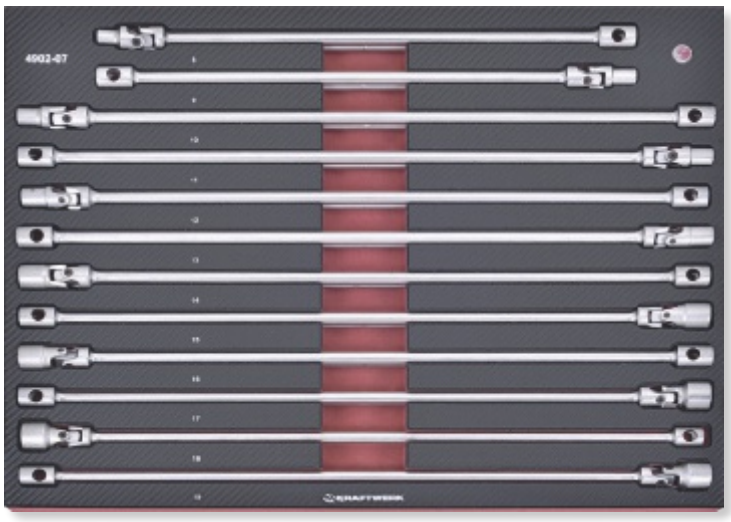
Bandeja muletillas con vaso

extra largo

Conjunto de chaves de caixa em "T" longa

Art.
4902-07

L1 527 × **L2** 407 × **L3** 30 mm



XXL DIN 896 / ISO 2236, 1085

Art. 2592-08	8 mm	Art. 2592-14	14 mm
Art. 2592-09	9 mm	Art. 2592-15	15 mm
Art. 2592-10	10 mm	Art. 2592-16	16 mm
Art. 2592-11	11 mm	Art. 2592-17	17 mm
Art. 2592-12	12 mm	Art. 2592-18	18 mm
Art. 2592-13	13 mm	Art. 2592-19	19 mm

21 PCS

Heavy duty socket wrench set
with fine tooth ratchet handle and socket quick release function and extension bars with locking system

Bandeja industrial de llaves de vaso
con carraca dentado fino con función de extracción rápida y alargadera con sistema de bloqueo

Jogo de chaves de caixa "Heavy duty"
com roquete de dentes finos com mecanismo de ejecção de chaves e extensões com sistema de segurança.

Art.
4902-08

L1 527 × **L2** 407 × **L3** 40 mm

3/4" 43 Art. 400002 500 mm

3/4" 16 19-21-22-23-24-26-27-29-30 32-35-36-38-41-46-50 mm

3 100-200-400 mm

460 mm

22 PCS

Heavy duty socket wrench set
with digital torque adapter

Bandeja industrial de llaves de vaso
con adaptador dinamométrico electrónico

Jogo de chaves de caixa "Heavy duty"
com adaptador electrónico torque

Art.	
4902-080	4081-34
4902-081	4081-341

L1 527 × **L2** 407 × **L3** 40 mm

3/4" 16 19-21-22-23-24-26-27-29-30 32-35-36-38-41-46-50 mm

3 100-200-400 mm

460 mm

3/4" 43 Art. 400002 500 mm

0 / Art. 4081-34

3/4" Art. **4081-34**
100-500 Nm (± 2%) / 73.8-369 Lb.ft
kg-m / kg-cm / lb-in / ft-lbs

4902-081 / Art. 4081-341

3/4" Art. **4081-341**
200-1000 Nm (± 2%) /147.6-738 Lb.ft
kg-m / kg-cm / lb-in / ft-lbs

COMPLETO EVA SERIE 4902

21 PCS

Heavy duty socket wrench set
with extensible/telescope fine tooth ratchet handle and socket quick release function and extension bars with locking system

Bandeja industrial de llaves de vaso
*con carraca de dentado fino con mango **telescópico/extensible** con función de extracción rápida y alargadera con sistema de bloqueo*

Jogo de chaves de caixa "Heavy duty"
com roquete **extensível** de dentes finos com mecanismo de ejecção de chaves e extensões com sistema de segurança

Art.
4902-09

L1 527 × **L2** 407 × **L3** 40 mm

3/4" 43 — Art. 400003 — 800 mm — 500 mm

3/4" — 16 — 19-21-22-23-24-26-27-29-30 32-35-36-38-41-46-50 mm

3 — 100-200-400 mm

460 mm

22 PCS

Heavy duty socket wrench set
with digital torque adapter

Bandeja industrial de llaves de vaso
con adaptador dinamométrico electrónico

Jogo de chaves de caixa "Heavy duty"
com adaptador electrónico torque

Art.	
4902-090	4081-34
4902-091	4081-341

L1 527 × **L2** 407 × **L3** 40 mm

3/4" — 16 — 19-21-22-23-24-26-27-29-30 32-35-36-38-41-46-50 mm

3 — 100-200-400 mm

460 mm

3/4" 43 — Art. 400003 — 800 mm — 500 mm

4902-090 / Art. 4081-34

3/4" — Art. **4081-34**
100-500 Nm (± 2%) / 73.8-369 Lb.ft
kg-m / kg-cm / lb-in / ft-lbs

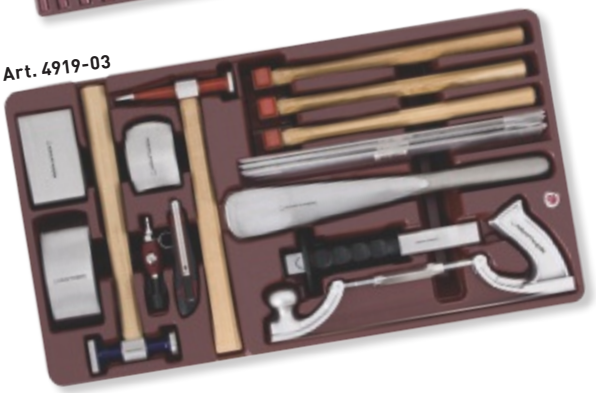
4902-091 / Art. 4081-341

3/4" — Art. **4081-341**
200-1000 Nm (± 2%) /147.6-738 Lb.ft
kg-m / kg-cm / lb-in / ft-lbs

Art. 4919-01

Art. 4919-02

Art. 4919-03

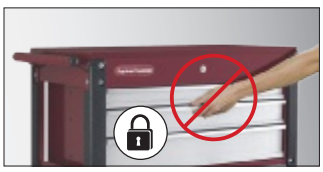


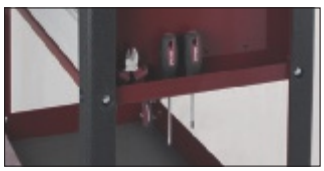
Service workshop trolley
with tools

Carro taller
con herramientas

Carro multiuso
com ferramentas

Art.			PCS
3917-4919	3917	4919-01, 4919-02	160





Body workshop trolley
universal composition with a set of special body repair tools in the 3rd drawer.

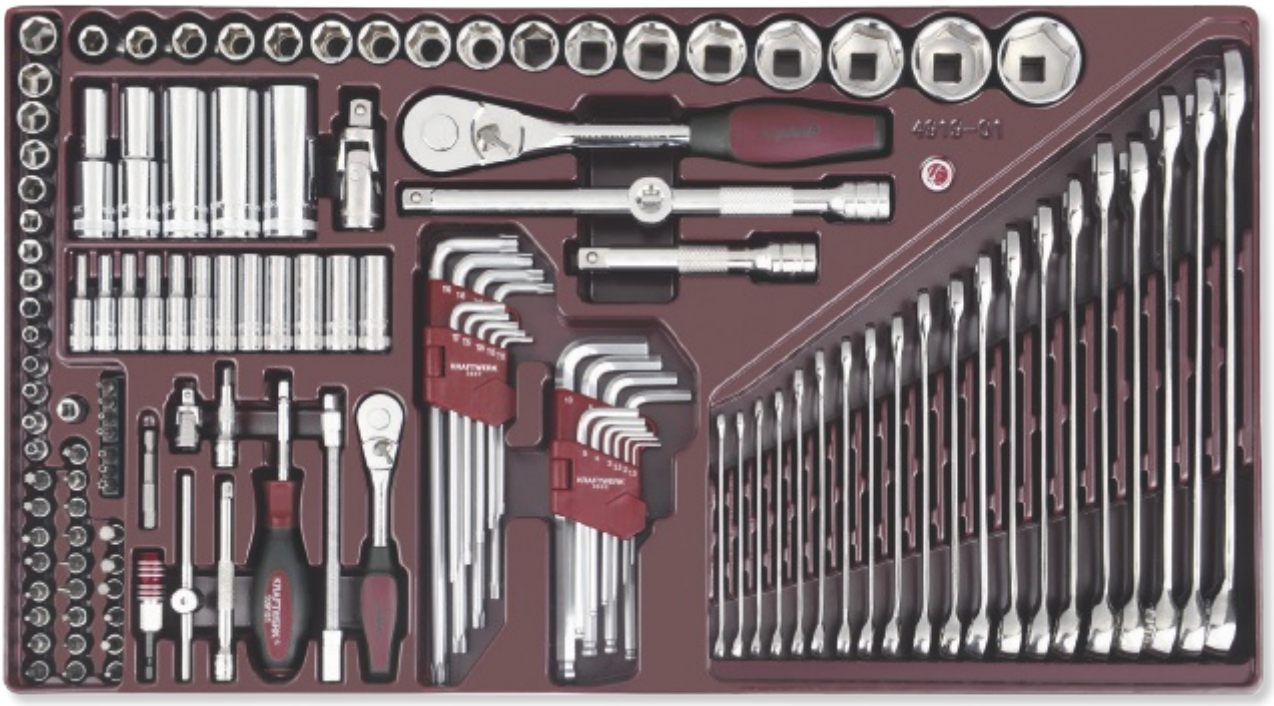
Carro para taller de carrocería
con herramientas universales y con un juego de herramienta especial para taller de carrocería en el tercer cajón.

Carro de ferramentas para oficina de carroçaria
fornecido com ferramentas universais e com um conjunto de ferramentas especiais para bate-chapas na terceira gaveta.

Art.			PCS
3917-4919+3	3917	4919-01, 4919-02, 4919-03	176

Spanner and socket tray
Bandeja vasos y llaves
Bandeja de chaves de caixa

132 PCS



1/4"
- 14 — 3.5-4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm
- 12 — 4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
- S2 — 3 — 4-5.5-6.5 mm
- 3 — PH 1-2-3
- 3 — PZ 1-2-3
- 8 — T8-T10-T15-T20-T25-T27-T30-T40
- 6 — 3-4-5-6-7-8 mm
- 1/4" 1/4"
- 1/4" 1/4"
- 2 — 50 mm / 100 mm
- 150 mm
- 115 mm
- 1/4" 1/4"

1/4"
- 7 — T10-T15-T20-T25-T27-T30-T40
- 1/4" 1/4"
- 1/4" 1/4"

45 ergokraft® Art. 3200

1/2"
- 17 — 10-11-12-13-14-15-16-17-18 19-21-22-24-27-30-32-34 mm
- 5 — 10-13-17-19-22 mm
- 1/2" 1/2"
- 2 — 125 mm / 250 mm
- 3/8" 1/2"

45 ergokraft® Art. 3220

DIN 2936 S2 — 30° — Art. 3602
1.5-2-2.5-3-4-5-6-7-8-10 mm

XXL S2 — Art. 3607
T10-T15-T20-T25-T27
T30-T40-T45-T50

DIN 3113

Art. 3505	5.5 mm
Art. 3506	6 mm
Art. 3507	7 mm
Art. 3508	8 mm
Art. 3509	9 mm
Art. 3510	10 mm
Art. 3511	11 mm
Art. 3512	12 mm
Art. 3513	13 mm
Art. 3514	14 mm
Art. 3515	15 mm
Art. 3516	16 mm
Art. 3517	17 mm
Art. 3518	18 mm
Art. 3519	19 mm
Art. 3520	20 mm
Art. 3521	21 mm
Art. 3522	22 mm
Art. 3523	23 mm
Art. 3524	24 mm

Art.
4919-01

KRAFTWERK
FAVORITE TOOLS SINCE 1979

Screwdriver, pliers and striking tools tray

Bandeja destornilladores, alicates y herramientas de golpe

Bandeja de chaves de parafusos, alicates e ponteiros

28 PCS

Art. 3281-180	DIN ISO 5746	180 mm	
Art. 3285-200	DIN ISO 5745	200 mm	
Art. 3282-160	DIN ISO 5749	160 mm	
Art. 3289-160	DIN ISO 5232	160 mm	
Art. 3290-250	DIN ISO 8976	250 mm	

S2 Art. 4110-1	0.6 ×	3 mm
Art. 4110-2	0.8 ×	4 mm
Art. 4110-3	1.0 ×	5 mm
Art. 4110-4	1.1 ×	6 mm
Art. 4110-5	1.2 ×	8 mm
S2 Art. 4112-2	1.1 ×	6 mm
S2 Art. 4115-1	PH1	
Art. 4115-2	PH2	
S2 Art. 4117-2	PH2	
Art. 2138	100-250 V	
Art. 2139	12 V	

DIN 6450 Form C	Art. 1350-2	2 mm
	Art. 1350-3	3 mm
	Art. 1350-4	4 mm
	Art. 1350-5	5 mm
	Art. 1350-6	6 mm
	Art. 1350-8	8 mm
DIN 7250	Art. 1358-2	No. 2
DIN 6451/53	Art. 3380-18	18 mm
	Art. 3380-22	22 mm
HICKORY DIN 1041	Art. 2305	500 g
HICKORY	Art. 2336	Ø 35 mm
		3 m × 16 m

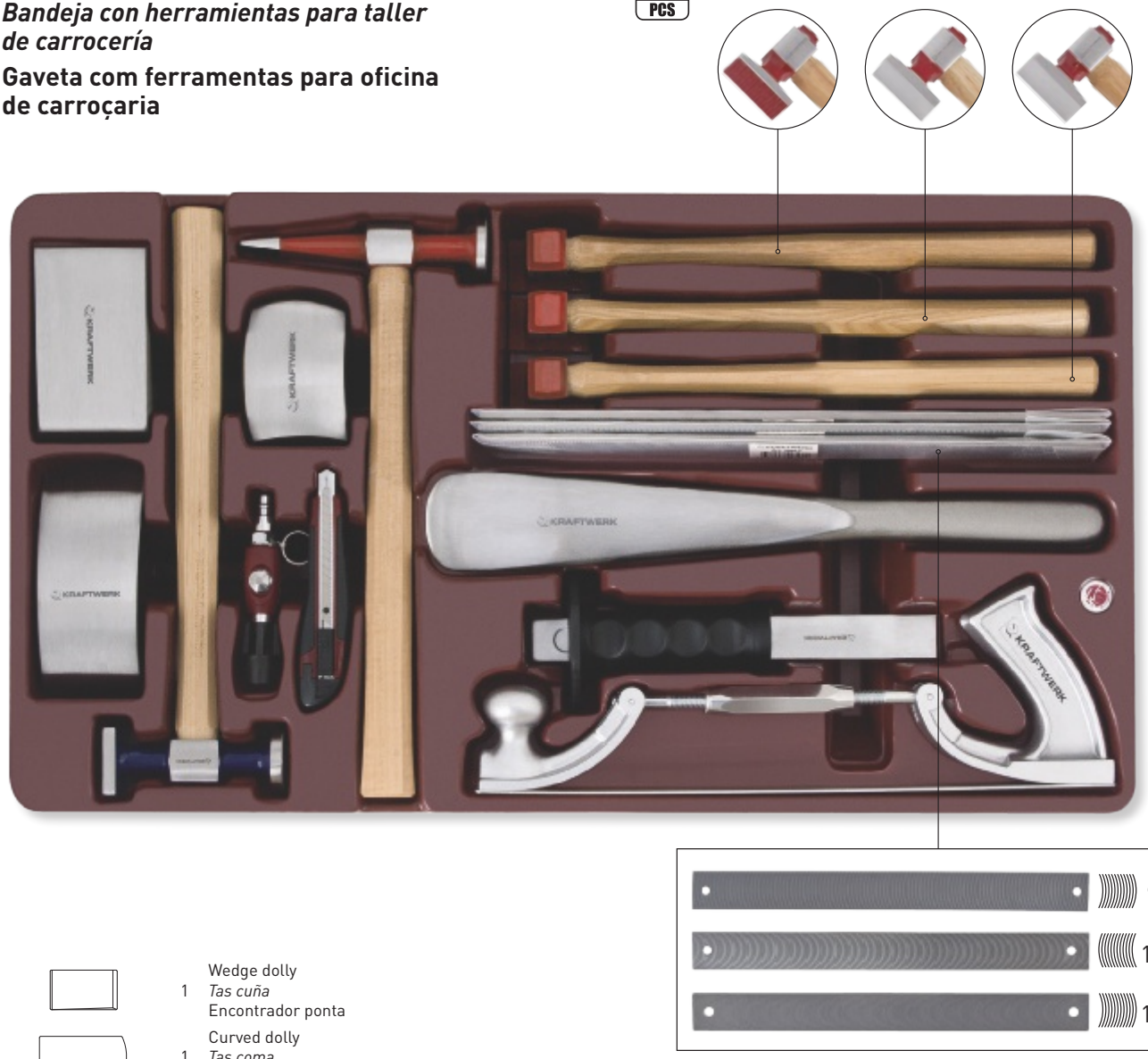
Art.
4919-02

Bodywork tool tray

Bandeja con herramientas para taller de carrocería

Gaveta com ferramentas para oficina de carroçaria

16 PCS



	1	Wedge dolly *Tas cuña* Encontrador ponta
	1	Curved dolly *Tas coma* Encontrador virgula
	1	High crowned dolly *Tas americano* Encontrador curvo
	1	Planishing hammer *Martillo combi para desabollar y alisar.* Martelo plano faces polidas
	1	Bumping hammer *Martillo combi con bola para desabollar y alisar.* Martelo cabeça redonda plana e ponta
	1	Bumping and planishing hammer serrated face *Martillo acanalado para desabollar y alisar.* Martelo plano serrilha
	1	Bumping and planishing hammer flat face *Matillo cabeza plana para desabollar y alisar.* Martelo plano liso
	1	Bumping and planishing hammer bowed face *Martillo cabeza abombada* Martelo plano angular

	1	Car body file holder 350 mm *Lima carrocero 350 mm* Lima de Bate-chapas 350 mm
	3	Car body file blade *Hoja angular para lima carrocero* Lima radial de bate-chapas
	1	Car body spoon *Cuchara carrocero* Colher de bate-chapas
	1	Car body chisel *Buril carrocero* Cinzel com punho
	1	Mini air blow gun with turbo power nozzle *Mini sopladora con efecto turbo.* Mini soprador turbo.
	1	Snap-Off Knife *Cúter* X-acto

Art.
4919-03

Multipurpose shelf trolley
- 3 big shelves, made of polypropylene and fibreglass
- Very solid construction for universal use, aluminium rods
- 4 swivel castors Ø 100 mm, 2 of them with brakes
- Shelf capacity: 80 kg
- Trolley capacity: 160 kg

Mesa de trabajo móvil
- 3 grandes baldas en polipropileno y fibra de vidrio
- construcción muy sólida para uso universal, barras en aluminio
- ruedas giratorias Ø 100 mm, 2 con freno
- capacidad por bandeja: 80 kg
- capacidad total: 160 kg

Carro multiuso de prateleiras
- 3 prateleiras grandes em polipropileno e fibra de vidro
- Construção sólida para uso universal, hastes de alumínio
- 4 rodízios giratórios Ø 100 mm, 2 deles com travão
- Capacidade da prateleira: 80 kg
- Capacidade do carro: 160 kg

Art.
3912

	L1 / mm	L2 / mm	L3 / mm	kg
	910	480	1040	320
A	660	390	300	160
B	660	390	300	80

Multipurpose shelf trolley
with accessory kit for transporting windows and windshields.

Mesa de trabajo móvil
con kit de accesorios para el transporte de las ventanillas y parabrisas.

Carro multiuso de prateleiras
com kit de acessórios para o transporte de janelas e pára-brisas.

Art.		x4
3912A	3912	3912-98

Waste bin
for multipurpose shelf trolley 3912
made of oil and acid resistant polypropylene

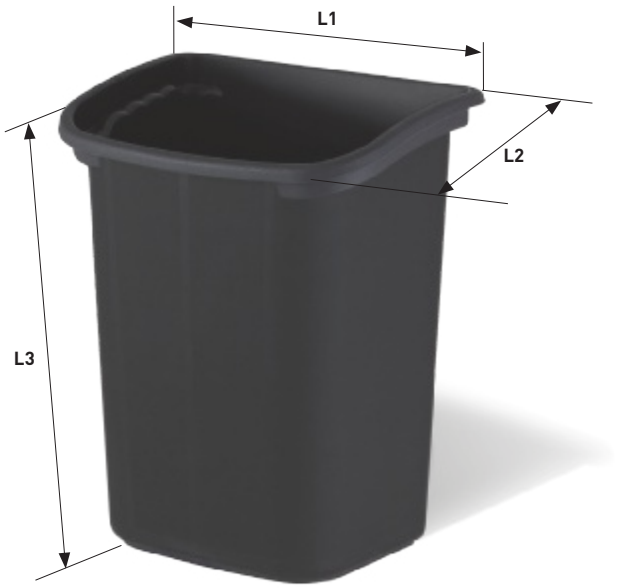
Cubo de basura
para mesa de trabajo móvil 3912
en polipropileno, resistente al aceite y a los ácidos

Caixote do lixo
para carro multiuso de prateleiras 3912
em polipropileno, resistentes ao óleo e ao ácido

Art.	
3912-99	3912

L1 360 × **L2** 250 × **L3** 430 mm

19L



Your notes / *Sus notas* / Suas notas

CHAPTER
CAPÍTULO
CAPÍTULO

2

HIGHTECH Professional socket wrench case

Estuche llaves de vaso profesional universal HIGHTECH

Mala HIGHTECH Profissional com roquete

HIGHTECH FINE POWER

1/4" 1/4" 78 PCS

300 x 190 x 60 mm

1/4"	14	3.5-4-4.5-5-5.5-6-7-8 9-10-11-12-13-14 mm
	12	4-4.5-5-5.5-6-7-8 9-10-11-12-13 mm
	7	E4-E5-E6-E7-E8-E10-E11
	3	4-5.5-6.5 mm
	3	PH 1-2-3
	3	PZ 1-2-3
	8	T8-T10-T15-T20-T25-T27-T30-T40
	6	3-4-5-6-7-8 mm
	6	M4-M5-M6-M7-M8-M10
		1/4" 1/4"
		1/4" 1/4"
	2	50 mm / 100 mm
		150 mm
		110 mm
		1/4" 1/4"
120		Art. 4001
1/4" S2	7	T10-T15-T20-T25-T27-T30-T40
		1/4" 1/4"

Art.	▢	⬢
4007	1/4"	1/4"

The classic of KRAFTWERK
Socket wrench case
El clásico de KRAFTWERK
Juego de llaves de vaso
O clássico da KRAFTWERK
Jogo de chaves de caixa

1/4" 1/4" 36 PCS

194 x 133 x 35 mm

ABS

1/4" 14 3.5-4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm

1/4" 1/4"

1/4" 1/4"

100 mm

1/4"

45 Art. 3200

1/4" S2 quality

2 5.5-6.5 mm
2 PH 1-2
2 PZ 1-2
6 T10-T15-T20-T25-T30-T40
5 3-4-5-6-8 mm

Art.		
3005	1/4"	1/4"

The most compact 1/4" drive set of the world!
All-purpose socket wrench set
with 72 fine teeth ratchet handle with special small and flat head in solid mini-ABS-case.

El juego de 1/4" más compacto del mundo!
Juego de llaves de vaso multiuso
con carraca 72 dientes en mini estuche sólido en ABS.

O jogo de 1/4" mais completo do mundo!
Jogo de chaves de caixa multiuso
com roquete de 72 dentes finos, cabeça compacta numa caixa de ABS sólida.

1/4" 1/4" 40 PCS

163 x 80 x 35 mm

ABS

1/4" 14 3.5-4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm

1/4" 1/4"

1/4" 1/4"

50 mm

72 Art. 4009

1/4" S2 quality

3 4-4.5-5.5 mm
3 PH 1-2-3
3 PZ 1-2-3
8 T8-T10-T15-T20-T25-T27-T30-T40
5 3-4-5-6-8 mm

Art.		
4033	1/4"	1/4"

Socket wrench case
Estuche de llaves de vaso
Mala de chaves de caixa

1/4" 1/4" 66 PCS

COMPLETO

421 x 200 x 68 mm

1/4"	14	3.5-4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm
	12	4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
S2 quality	3	4-5.5-6.5 mm
	3	PH 1-2-3
	3	PZ 1-2-3
	8	T8-T10-T15-T20-T25-T27-T30-T40
	6	3-4-5-6-7-8 mm
		1/4" 1/4"
		1/4" 1/4"
	2	50 mm / 100 mm
		150 mm
		115 mm
		1/4"
45		Art. 3200
1/4" S2 quality	7	T10-T15-T20-T25-T27-T30-T40
		1/4" 1/4"
		1/4" 1/4"

Art.		
4900-01K	1/4"	1/4"

Socket wrench set
in solid metal case

Juego de llaves de vaso
en estuche sólido metálico

Jogo de chaves de caixa
em caixa metálica

1/4" 1/4" 40 PCS

245 x 130 x 40 mm

1/4"	12	4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
		1/4" 1/4"
		1/4" 1/4"
		50 mm
		3/8" 1/4"
		1/4"
	3	1.5-2-2.5 mm
45		Art. 3200

Art.		
2003	1/4"	1/4"

1/4" S2 quality

5	3-4-5-6-8 mm
3	4-5.5-6.5 mm
2	PH 1-2
2	PZ 1-2
7	T10-T15-T20-T25-T27-T30-T40

COMBI socket wrench set
in solid 2-component box

Juego de llaves de vaso COMBI
en caja sólida bi-material

Jogo de chaves de caixa COMBI
em caixa sólida de 2 componentes

1/4" 1/4" 28 PCS

13

mm 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm

inch 5/32"-7/32"-1/4"-5/16"-11/32"
3/8"-7/16"-15/32"-1/2"-9/16"

TX E5-E6-E8-E10-E12-E14-E16-E18

XZN M5-M6-M8-M10-M12-M14-M16-M18

1/4" 1/4"

50 mm

60

95 mm

165 x 85 x 35 mm

ABS

1/4" S2

2 4-5.5 mm
2 PH 1-2
2 PZ 1-2
4 T15-T20-T25-T30
2 3-4 mm

ALL IN mm inch

Art.		
4004	1/4"	1/4"

COMBI socket wrench set
with finger ratchet handle

Juego de llaves de vaso COMBI
con pomo con carraca

Jogo de chaves de caixa COMBI
com roquete de uma mão

1/4" 1/4" 24 PCS

6

mm 4-5-6-8-10-13 mm

inch 5/32"-3/16"-5/16"-3/8"-1/2"

TX E5-E8-E10-E12

XZN M5-M6-M8-M10-M12-M16

75 mm

1/4" 1/4" 1/4" S2

2 5.5-6.5 mm
2 PH 1-2
2 PZ 1-2
6 T10-T15-T20-T25-T30-T40
4 3-4-5-6 mm

ALL IN mm inch

Art.		
38005	1/4"	1/4"

Socket wrench and bit set
in **stainless** steel

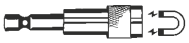
Juego de llaves de vaso y puntas
*en acero **inoxidable***

Jogo de chaves de caixa e bits
em aço **inox**

13 — 4-4.5-5.5-6-7-8-9
10-11-12-13-14 mm

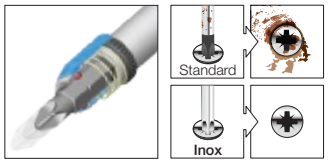
2 — 4-5.5-6.5 mm
4 — PH1 - **2x** PH2 - PH3
4 — PZ1 - **2x** PZ2 - PZ3
7 — T10-T15-T20-T25-T27-T30-T40
7 — T10-T15-T20-T25-T27-T30-T40
5 — 3-4-5-6-8 mm

1/4" 1/4"



1/4" 1/4"

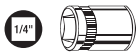
Art.		
4003	1/4"	1/4"



165 x 85 x 35 mm

INOX-tools – to avoid external rust
Herramientas en acero inoxidabile para evitar el óxido externo
Ferramentas aço INOX para evitar ferrugem externa

Socket wrench set
Juego de llaves de vaso
Jogo chaves caixa



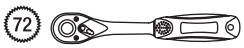
10 — 5.5-6-7-8-9-10
11-12-13-14 mm

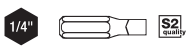
1/4" 1/4"

1/4" 1/4"

1/4"

2 — 50 / 100 mm





4 — 3-4-5-6 mm
4 — PH1 - **2x** PH2 - PH3
2 — PZ1-PZ2-PZ3
7 — T10-T15-T20-T25-T27-T30-T40
4 — 3-4-5-6 mm

Art.		
99073	1/4"	1/4"

197 x 90 x 50 mm

Socket wrench set
in solid metal case with hard plastic edge protection.

Juego de llaves de vaso
en estuche metálico con bordes de protección en plástico.

Conjunto de chaves
em caixa metálica com cantos protectores em plástico endurecido.

14 ○ 3.5-4-4.5-5-5.5-6-7-8 9-10-11-12-13-14 mm

5 ○ 5.5-7-8-10-13 mm

▢ 1/4" ○ 1/4"

▢ 1/4" ■ 1/4"

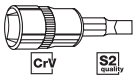
▢ 1/4" ■ 1/4"

2 50 mm / 100 mm

150 mm

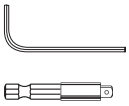
▢ 1/4" ■ 1/4"

Art. 3200



3 ⊖ 4-5.5-6.5 mm
3 ✚ PH 1-2-3
3 ✚ PZ 1-2-3
8 ✸ T8-T10-T15-T20-T25-T27-T30-T40
6 ⬢ 3-4-5-6-7-8 mm

7 ✡ T10-T15-T20-T25-T27-T30-T40



4 ⬢ 1.27-1.5-2-2.5 mm

⬢ 1/4" ■ 1/4"

288 x 137 x 48 mm

Art.	○	⬢
2004	1/4"	1/4"

HIGHTECH Professional socket wrench case

Estuche llaves de vaso profesional universal HIGHTECH

Mala HIGHTECH Profissional com roquete

3/8" 5/16"

HIGHTECH FINE POWER

101 PCS

400 x 290 x 80 mm

3/8"	18	6-7-8-9-10-11-12-13-14-15 16-17-18-19-20-21-22-24 mm
	10	10-11-12-13-14-15-17-18-19-22 mm
	4	14-16-18-21 mm
	12	E4-E5-E6-E7-E8-E10-E11 E12-E14-E16-E18-E20
	12	T8-T10-T15-T20-T25-T27 T30-T40-T45-T50-T55-T60
	7	3-4-5-6-7-8-10 mm
		3/8" 5/16"
		3/8" 1/4"
		3/8" 3/8"
		75 mm / 250 mm
		1/2" 3/8"
		Art. 4011
5/16" S2	5	5.5-6.5-8-10-12 mm
	4	PH 1-2-3-4
	4	PZ 1-2-3-4
	12	T10-T15-T20-T25-T27-T30 T40-T45-T50-T55-T60-T70
	5	M5-M6-M8-M10-M12
		1/4" 3/8"

Art.	○	⬢
4017	3/8"	5/16"

Socket wrench set
in solid metal case

Juego de llaves de vaso
en estuche sólido metálico

Jogo de chaves de caixa
em caixa metálica

3/8" 1/4" 50 PCS

350 x 195 x 50 mm

3/8"	15	6-7-8-9-10-11-12-13-14 15-16-17-18-19-22 mm
	4	10-13-17-19 mm
	2	16 mm / 21 mm
		3/8" 1/4"
		3/8" 3/8"
	2	75 mm / 250 mm
		1/2" 3/8"
45		Art. 3210
1/4" S2	4	4-5.5-6.5-8 mm
	3	PH 1-2-3
	3	PZ 1-2-3
	7	T10-T15-T20-T25-T27-T30-T40
	6	3-4-5-6-7-8 mm

Art.	▢	⬢
2013	3/8"	1/4"

HIGHTECH Professional socket wrench case

Estuche llaves de vaso profesional universal HIGHTECH

Mala HIGHTECH Profissional com roquete

3/8" 1/4" 5/16" 48 PCS

HIGHTECH

260 x 160 x 60 mm

3/8"	12	E4-E5-E6-E7-E8-E10-E11 E12-E14-E16-E18-E20
	12	T8-T10-T15-T20-T25-T27 T30-T40-T45-T50-T55-T60
		3/8" 1/4"
		3/8" 5/16"
1/4" S2	7	T10-T15-T20-T25-T27-T30-T40
5/16" S2	4	T45-T50-T55-T60
5/16" S2 70 mm	5	M5-M6-M8-M10-M12
		1/4" 3/8"

Art.	▢	⬢
4013	3/8"	1/4" + 5/16"

Socket wrench set
Juego de llaves de vaso
Jogo de chaves de caixa

1/4" 3/8" 1/4" 69 PCS

ABS

380 x 212 x 55 mm

1/4" 14 3.5-4-4.5-5-5.5-6-7-8 9-10-11-12-13-14 mm
1/4" 1/4"
1/4" 1/4"
2 50 mm / 100 mm
1/4" 3/8"
45 Art. 3200

3/8" 14 10-13-15-16-17-18-19 20-21-22-24 mm
3/8" 3/8"
2 75 mm / 250 mm
1/2" 3/8"
45 Art. 3210

1/4" S2
4 4.5-5-6.5-8 mm
4 PH 0-1-2-3
3 PZ 1-2-3
7 T10-T15-T20-T25-T27-T30-T40
7 T10-T15-T20-T25-T27-T30-T40
6 3-4-5-6-7-8 mm
1/4" 1/4"
1/4" 1/4"

Art.	▢	⬢
3035	1/4" + 3/8"	1/4"

The most compact 1/4"+ 3/8" drive set!
Socket wrench set with two 72 fine teeth slim head ratchet handles in solid ABS-case.

El juego más compacto 1/4"+3/8"!
Estuche sólido en ABS de llaves de vaso con dos carracas finas de 72 dientes.

Jogo de chaves de caixa 1/4"+3/8" mais compacto!
Com dois Roquetes de 72 dentes finos e cabeça baixa num estojo sólido em ABS.

1/4" 3/8" 37 PCS

305 x 140 x 42 mm

ABS

1/4" 14 3.5-4-4.5-5-5.5-6-7-8-9 10-11-12-13-14 mm
1/4" 1/4"
1/4" 1/4"
100 mm
3/8" 1/4"
72 Art. 4009

3/8" 12 10-13-14-15-16-17-18-19 20-21-22-24 mm
2 16 mm / 21 mm

3/8" 3/8"
150 mm
1/2" 3/8"
72 Art. 4019

Art.	▢
4045	1/4" + 3/8"

HIGHTECH Professional socket wrench case
with deep impact sockets

Estuche llaves de vaso profesional universal HIGHTECH
con vasos largos de impacto

Mala HIGHTECH Profissional com roquete
com chaves de impacto longas

1/2"	19	8-10-11-12-13-14-15-16-17-18 19-20-21-22-24-27-30-32-34 mm
	6	10-13-17-19-21-22 mm
	4	14-16-18-21 mm
	8	E10-E12-E14-E16-E18-E20-E22-E24
		1/2" 1/2"
		1/2" 3/8"
	2	125 mm / 250 mm
120		Art. 4021

Art.	
4027	1/2"

1/2" 42 PCS

HIGHTECH FINE POWER

360 x 260 x 95 mm

Socket wrench set
in solid metal case

Juego de llaves de vaso
en estuche sólido metálico

Jogo de chaves de caixa
em caixa metálica

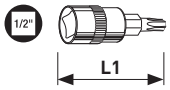
1/2"	15	10-11-12-13-14-15-16-17-18 19-22-24-27-30-32 mm
	2	16 mm / 21 mm
		1/2" 1/2"
	2	125 mm / 250 mm
		3/8" 1/2"
45		Art. 3220

Art.	
2023	1/2"

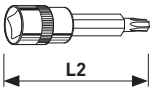
1/2" 22 PCS

350 x 195 x 50 mm

TX bit-socket set
Juego de vasos con punta TX
Jogo de chaves caixa com bit TX



12 T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60-T70

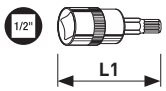


11 T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60

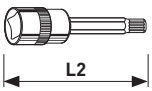
371 x 156 x 42 mm

Art.		L1 / L2
2025	1/2"	55 / 100 mm

Hexagon- and XZN spline bit-socket set
Juego de vasos con punta hexagonal y XZN
Jogo de chaves caixa com bit sextavado e XZN



6 5-6-7-8-10-12 mm
5 M5-M6-M8-M10-M12



6 5-6-7-8-10-12 mm
5 M5-M6-M8-M10-M12

371 x 156 x 42 mm

Art.		L1 / L2
2026	1/2"	55 / 100 mm

HIGHTECH FINE POWER

HIGHTECH Professional socket wrench case
with deep impact sockets

Estuche llaves de vaso profesional universal HIGHTECH
con vasos largos de impacto

Mala HIGHTECH Profissional com roquete
com chaves de impacto longas

460 x 350 x 90 mm

1/4"

14	○	3.5-4-4.5-5-5.5-6-7-8 9-10-11-12-13-14 mm
12	○	4-4.5-5-5.5-6-7-8 9-10-11-12-13 mm
7	✪	E4-E5-E6-E7-E8-E10-E11
3	▬	4-5.5-6.5 mm
2	✚	PH 1-2
3	✚	PZ 0-1-2
8	✱	T8-T10-T15-T20-T25-T27-T30-T40
6	⬢	3-4-5-6-7-8 mm
5	●	M4-M5-M6-M7-M8
	▢ 1/4"	○ 1/4"
	▢ 1/4"	■ 1/4"
2		50 mm / 100 mm
		150 mm
		110 mm
	▢ 1/4"	■ 1/4"
120		Art. 4001

5/16"

7	✪	T10-T15-T20-T25-T27-T30-T40
	⬢ 1/4"	■ 1/4"

1/2"

16	○	10-13-14-15-16-17-18-19 20-21-22-24-27-30-32-34 mm
5	○	15-17-19-21-22 mm
4		14-16-18-21 mm
7	✪	E12-E14-E16-E18-E20-E22-E24
4	●	M10-M12-M14-M16
	▢ 1/2"	■ 1/2"

	▢ 1/2"	○ 5/16"
	▢ 1/2"	■ 3/8"
2		125 mm / 250 mm
120		Art. 4021

5/16"

3	▬	8-10-12 mm
2	✚	PH 3-4
2	✚	PZ 3-4
5	✱	T45-T50-T55-T60-T70
3	⬢	10-12-14 mm

Art.	▢	⬢
4037	1/2" + 1/4"	5/16"

Socket wrench set
in solid metal case

Juego de llaves de vaso
en estuche sólido metálico

Jogo de chaves de caixa
em caixa metálica

1/4" 1/2" 1/4" 5/16" 70 PCS

435 x 265 x 50 mm

1/4"	12	4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
	3	8-10-13 mm
		1/4" 1/4"
		1/4" 1/4"
		50 mm
		115 mm
		1/4"
45		Art. 3200
1/2"	11	14-15-16-17-18-19-22-24-27-30-32 mm
	2	17 mm / 19 mm
	2	16 mm / 21 mm
		1/2" 5/16"
		1/2" 1/2"
	2	125 mm / 250 mm
45		Art. 3220
1/4" S2	3	4-5.5-6.5 mm
	2	PH 1-2
	2	PZ 1-2
	6	T10-T15-T20-T25-T27-T30
	4	3-4-5-6 mm
5/16" S2	2	8-10 mm
	2	PH 3-4
	2	PZ 3-4
	4	T40-T45-T50-T55
	2	8-10 mm

Art.	▢	⬢
2033	1/4" + 1/2"	1/4" + 5/16"

Universal COMBI socket wrench case
with 2 extensible ratchet handles and combination spanners

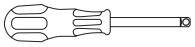
Maleta universal de vasos COMBI
con 2 carracas extensibles y llaves combinadas

Mala de chaves de caixa universal COMBI
com 2 roquetes extensíveis e chaves combinadas

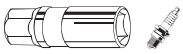
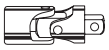
1/4" 1/2" 1/4" 81 PCS

435 x 350 x 69 mm

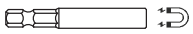
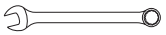
1/4"

	13	mm 4-4.5-5-5.5-6-7-8-9-10-11-12-13-14 mm
		inch 5/32"-7/32"-1/4"-5/16"-11/32"-3/8"-7/16" 15/32"-1/2"-9/16"
		TX E5-E6-E8-E10-E12-E14-E16-E18
		XZN M5-M6-M8-M10-M12-M14-M16-M18
		▢ 1/4" ○ 1/4"
		▢ 1/4" ■ 1/4"
	2	50 mm / 100 mm
		150 mm
		■ 1/4"
72 Art. 2000		150-200 mm

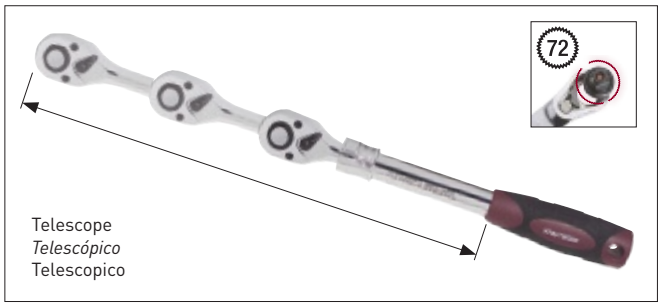
1/2"

	12	mm 15-16-17-18-19-20-21-22-24-27-30-32 mm
		inch 19/32"-5/8"-11/16"-3/4"-25/32"-13/16"-7/8" 15/16"-1-1/16"1-3/16"-1-1/4"
		TX E20-E22-E24-E26-E28-E30-E34-E38-E40
	2	16 mm / 21 mm
		▢ 1/2" ■ 1/2"
	2	125 mm / 250 mm
		▢ 1/2" ■ 3/8"
72 Art. 2020		305-445 mm

1/4"

	4	⊖ 4.5-5-6.5-8 mm
	4	✚ PH 0-1-2-3
	3	✚ PZ 1-2-3
	7	✱ T10-T15-T20-T25-T27-T30-T40
	7	✡ T10-T15-T20-T25-T27-T30-T40
	6	⬢ 3-4-5-6-7-8 mm
		⬢ 1/4" ■ 1/4"
		⬢ 1/4" ○ 1/4"
	9	8-10-11-12-13-14-17-19-22 mm

ALL IN mm inch



Telescope
Telescópico
Telescopico

Art.	▢	⬢
2034	1/4" + 1/2"	1/4"

KRAFTWERK
FAVORITE TOOLS SINCE 1979

Socket wrench set
in solid metal case with hard plastic edge protection

Juego de llaves de vaso
en estuche metálico con bordes de protección en plástico

Conjunto de chaves
em caixa metálica com cantos protectores em plástico endurecido

1/4" | 1/2" | 1/4" | CrV | S2 quality | 72 PCS

1/4"	13	3.5-4-4.5-5-5.5-6-7-8-9 10-11-12-13 mm
		1/4" 1/4"
		1/4" 1/4"
		1/4" 1/4"
	2	50 mm / 100 mm
		1/4"
45		Art. 3200
CrV S2 quality	3	4-5.5-6.5 mm
	3	PH 1-2-3
	3	PZ 1-2-3
	8	T8-T10-T15-T20-T25-T27-T30-T40
	5	3-4-5-6-8 mm
1/4"	7	T10-T15-T20-T25-T27-T30-T40
1/2"	12	14-15-16-17-18-19-21 22-24-27-30-32 mm
	2	16 mm / 21 mm
		1/2" 1/2"
		3/8" 1/2"
	2	125 mm / 250 mm
45		Art. 3220
	4	1.27-1.5-2-2.5 mm

450 x 190 x 57 mm

Art.	⬡	⬢
2032	1/4" + 1/2"	1/4"

KRAFTWERK

Heavy duty socket wrench cases

Fine teeth ratchet handles with socket quick release function and extension bars with locking system

Estuches industriales de llaves de vaso

Carracas con función de extracción rápida y alargadera con sistema de bloqueo

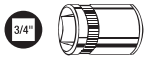
Jogos de chaves de caixa "Heavy duty"

Roquetes com mecanismo de ejecção de chaves e extensões com sistema de segurança

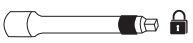
Socket wrench case
with ratchet handle without telescope function

Estuche de llaves de vaso
con carraca sin función de mango telescópico/extensible

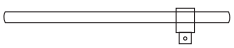
Jogo de chaves de caixa
com roquete sem mecanismo extensível



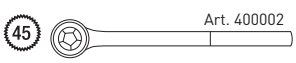
16 — 19-21-22-23-24-26-27-29
30-32-35-36-38-41-46-50 mm



3 — 100-200-400 mm



460 mm



500 mm

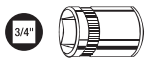
535 x 383 x 100 mm

Art.	▢
2056	3/4"

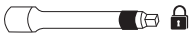
Socket wrench case
with extensible/telescope ratchet handle

Estuche de llaves de vaso
Carraca con mango telescópico/extensible

Jogo de chaves de caixa
com roquete extensível

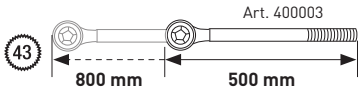


16 — 19-21-22-23-24-26-27-29
30-32-35-36-38-41-46-50 mm



3 — 100-200-400 mm

460 mm



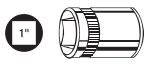
Art.	▢
2057	3/4"

535 × 383 × 100 mm

Socket wrench case
with extensible/telescope ratchet handle, in solid metal case

Estuche de llaves de vaso
Carraca con mango telescópico/extensible, en caja metálica maciza

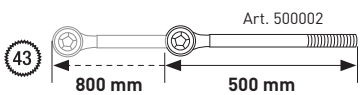
Jogo de chaves de caixa
com roquete extensível, em caixa metálica



17 — 36-38-41-46-50-54-55-58-60
63-65-67-70-71-75-77-80 mm

2 — 200 mm / 400 mm

▢ 1" ■ 1"



Art.	▢
2053	1"

700 x 280 x 108 mm

Pass-through socket wrench sets

1. The pass-through head design enables the fastening and unfastening jobs with long bolt and threaded rods. No deep sockets needed anymore.
2. The unique drive configuration increases torque strength by 40 %. The 72 teeth ratchet handle reduces the return angle to 5° only.
3. Overall height is reduced by 50 %, width by 20 %.
4. Usage of standard sockets with quick release adapters 1/4", 3/8" and 1/2" drive.

Juegos de llaves de vaso abiertas

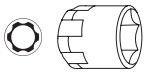
1. La cabeza abierta de la carraca permite la entrada en un espárrago largo para el apriete/desapriete de tuercas. ¡Se acabaron los vasos largos!
2. La configuración especial de la carraca incrementa la fuerza de apriete en un 40%. Carraca con 72 dientes que reduce el ángulo de recuperación a sólo 5°.
3. Reducción de la altura en un 50% y del grosor en un 20%.
4. Utilización de vasos standard con adaptadores de extracción rápida de 1/4", 3/8" y 1/2".

Jogos de chaves de caixa de aperto

1. O desenho da cabeça do roquete permite o aperto e o desaperto de parafusos longos e varão roscado. A utilização de chaves longas não será mais necessária.
2. A configuração única e especial deste roquete aumenta a força do torque em 40%. O roquete de 72 dentes finos diminui o ângulo de aperto a apenas 5°.
3. Redução da altura em 50% e da espessura em 20%.
4. Utilização de chaves standard com adaptadores 1/4", 3/8" e 1/2".

Pass-through socket wrench set
Juego de llaves de vaso abiertas
Jogo de chaves de caixa de aperto

13 mm 17 PCS



13 3.5-4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm

75 mm

13 mm x 1/4"

13 mm x 1/4"

Art. 590000

163 x 80 x 35 mm

Art.	
4002	13 mm

Pass-through socket wrench set
Juego de llaves de vaso abiertas
Jogo de chaves de caixa de aperto

20 mm **14 PCS**

	10	10-11-12-13-14-15-16-17-18-19 mm
		75 mm
		20 mm x 1/4" 20 mm x 3/8"
72		Art. 600000

Art.	
4012	20 mm

305 x 140 x 42 mm

Pass-through socket wrench set
Juego de llaves de vaso abiertas
Jogo de chaves de caixa de aperto

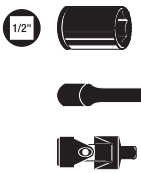
30 mm **13 PCS**

	9	19-20-21-22-24-27-30-32-34 mm
	2	75 mm / 155 mm
		30 mm x 1/2"
72		Art. 610000

Art.	
4022	30 mm

380 x 210 x 55 mm

Impact socket wrench set
Juego de llaves de vaso de impacto
Jogo de chaves impacto



14 ○ 10-11-12-13-14-15-16-17-18-19-21-22-23-24 mm

■ 125 mm

■ 65 mm

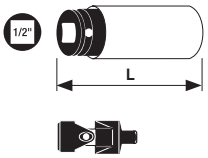
Art.
380005

270 x 185 x 58 mm

Deep impact socket wrench set
with plastic insert to protect the wheel nuts and plastic sleeve for aluminium rims

Juego de llaves de vaso largo de impacto
con plástico para proteger las tuercas de rueda y recubrimiento plástico para llantas de aluminio

Jogo de chaves impacto
com protecção plástica para proteger as porcas das rodas e manga plástica para as jantes de alumínio



3 ○ 17-19-21 mm

■ 65 mm

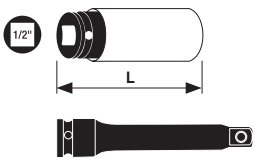
Art.	L mm
3083	85

145 x 130 x 43 mm

Deep impact socket wrench set
with plastic insert to protect the wheel nuts and plastic sleeve for aluminium rims

Juego de llaves de vaso largo de impacto
con plástico para proteger las tuercas de rueda y manga plástica para llantas de aluminio

Jogo de chaves impacto
com protecção plástica para proteger as porcas das rodas e manga plástica para as jantes de alumínio



6 ○ 15-17-19-21-22-24 mm

■ 125 mm

Art.	L mm
381005	85

212 x 151 x 48 mm

TX impact socket wrench set
Juego de llaves de vaso de impacto, TX
Jogo de chaves de caixa impacto TX

12 T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60-T70

Art.	L mm
3084	78

210 x 145 x 50 mm

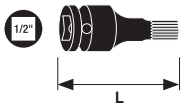
Hexagonal impact socket wrench set
Juego de llaves de vaso de impacto, hexagonal
Jogo de chaves de caixa impacto sextavada

12 3-4-5-6-7-8-9-10
12-14-16-17 mm

Art.	L mm
3086	78

210 x 145 x 50 mm

XZN impact socket wrench set
Juego de llaves de vaso de impacto, XZN
Jogo de chaves de caixa impacto XZN

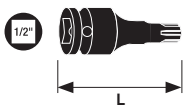


10 M4-M5-M6-M8-M9-M10
M12-M14-M16-M18

Art.	L mm
3087	78

210 x 145 x 50 mm

RIBE impact socket wrench set
Juego de llaves de vaso de impacto, RIBE
Jogo de chaves de caixa impacto RIBE



10 RM4-RM5-RM6-RM7-RM8-RM9
RM10-RM12-RM13-RM14

Art.	L mm
3089	78

210 x 145 x 50 mm

Impact socket wrench set
Juego de llaves de vaso largo de impacto
Jogo de chaves impacto

3/4" 8 26-27-29-30-32-35-36-38 mm

465 x 186 x 78 mm

Art.
400005

Deep impact socket wrench set
Juego de llaves de vaso largo de impacto
Jogo de chaves longa impacto

3/4" 8 26-27-29-30-32-35-36-38 mm

465 x 186 x 78 mm

Art.
400015

Deep impact socket wrench set
Juego de llaves de vaso largo de impacto
Jogo de chaves longa impacto

1" 7 24-27-30-32-33-36-38 mm

465 x 186 x 78 mm

Art.
500015

KRAFTWERK
FAVORITE TOOLS SINCE 1979

HIGHTECH Professional socket wrench case

metric and inch, with 4 ratchet handles, impact sockets, combination spanners and bits for safety screws.

Estuche llaves de vaso profesional universal HIGHTECH

métrico y pulgadas, con 4 carracas, llaves combinadas y puntas, incluso puntas para tornillos de seguridad.

Mala HIGHTECH Profissional com roquete

chaves e bits combinados, compatível mesmo para parafusos de segurança. Sistema métrico e polegada.

1/4" 3/8" 1/2" 1/4" 5/16" 228 PCS

HIGHTECH FINE POWER

550 x 380 x 110 mm

1/4"

- 14 — 3.5-4-4.5-5-5.5-6-7-8-9 10-11-12-13-14 mm
- 5 — 1/4"-9/32"-5/16"-11/32"-3/8"
- 8 — 4-4.5-5-5.5-6-7-8-9 mm
- 5 — E4-E5-E6-E7-E8
- 5 — M4-M5-M6-M7-M8
- 1/4" 1/4"
- 1/4" 1/4"
- 2 — 50 mm / 100 mm
- 150 mm
- 110 mm
- 1/4" 1/4"
- 120 — Art. 4001 HIGHTECH FINE POWER

3/8"

- 10 — 10-11-12-13-14 15-16-17-18-19 mm
- 10 — 7/16"-1/2"-9/16"-5/8"-11/16" 3/4"-13/16"-7/8"-15/16"-1"
- 6 — 10-11-12-13-14-15 mm
- 4 — 14-16-18-21 mm
- 4 — E10-E11-E12-E14
- 3/8" 1/4"
- 3/8" 5/16"
- 3/8" 3/8"
- 3/8" 1/4"
- 3/8" 1/2"
- 2 — 75 mm / 250 mm
- 120 — Art. 4011 HIGHTECH FINE POWER

1/4" S2

- 6 — 4-4.5-5.5-6-6.5-8 mm
- 4 — PH 1-2-3-4
- 4 — PZ 1-2-3-4
- 8 — T8-T10-T15-T20-T25-T27-T30-T40
- 8 — T8-T10-T15-T20-T25-T27-T30-T40
- 6 — 3-4-5-6-7-8 mm
- 6 — 2-2.5-3-4-5-6 mm
- 6 — 5/64"-3/32"-7/64"-1/8"-9/64"-5/32"
- 3 — Nos. 6-8-10
- 4 — Nos. 1-2-3-4
- 4 — Nos. 4-6-8-10

BIT-Box
Art. 3777
101 × 90 × 32 mm

61 PCS

Art.	⬡	⬢
4047	1/4" + 3/8" + 1/2"	1/4" + 5/16"

1/2"

- 15 — 10-13-15-16-17-18-19-20 21-22-24-27-30-32-34 mm
- 4 — 17-19-21-22 mm
- 5 — E16-E18-E20-E22-E24
- 4 — M10-M12-M14-M16
- 1/2" 5/16"
- 1/2" 1/2"
- 1/2" 3/8"
- 2 — 125 mm / 250 mm
- 120 — Art. 4021 HIGHTECH FINE POWER
- 72 — Art. 3006
- 1/4" 1/4"

5/16" S2

- 2 — 10-12 mm
- 5 — T45-T50-T55-T60-T70
- 3 — 10-12-14 mm

5/16" S2 — 70 mm

- 8 — T20-T25-T27-T30-T40-T45-T50-T55

- 1/4" 1/4"
- 1/4" 1/4"
- 1/4" 3/8"
- 1/4" x 100 mm
- 13 — 8-9-10-11-12-13-14-15 16-17-18-19-22 mm
- 10 — 1.5-2-2.5-3-4-5-6-7-8-10 mm
- 200 mm (0-36 mm)

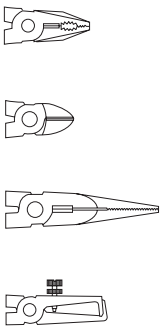
M22

Electrician tool-set
Surtido de herramientas para electricista
Jogo de ferramentas de electricista

20 PCS

1000 V

220 x 300 x 100 mm



	180 mm	
	160 mm	
	200 mm	
	160 mm	
4	0.4 x 2.5 mm - 0.8 x 4.0 mm 1.0 x 5.5 mm - 1.2 x 6.5 mm	
2	PH 1-2	
2	T15-T20	
	110-250V	
	140 mm	
	160 mm	
	150 mm	
	140 mm	
	228 mm	
	175 mm	

Art.	
3996ET	
2990B	without tools / *sin herramientas* / sem ferramentas

Art. 2990B

KRAFTWERK
FAVORITE TOOLS SINCE 1979

Professional ABS tool case
with solid structure, aluminium frame and reinforced edges for shock-protection, snap locks and combination lock.

Maleta profesional en ABS
con estructura sólida, reforzada en aluminio, con protección contra golpes y cerradura con código numérico.

Mala profissional em ABS
com estrutura solida com chassis em aluminio e protecção antichoque, com fechaduras numericas.

1/4" | 3/8" | 1/4" | 4 mm | CrV | ABS | 234 PCS

489 × 193 × 400 mm

1/4" — 14 — 3.5-4-4.5-5-5.5-6-7-8-9 10-11-12-13-14 mm

1/4" 1/4"

1/4" 1/4"

100 mm

45 — Art. 3200B

3/8" — 12 — 10-13-14-15-16-17-18 19-20-21-22-24 mm

2 — 16 mm / 21 mm

3/8" 1/4"

3/8" 3/8"

1/2" 3/8"

150 mm

45 — Art. 3210B

1/4" — 25 mm

4 — 4.5-5.5-6.5-8 mm
4 — PH 0-1-2-3
3 — PZ 1-2-3
7 — T10-T15-T20-T25-T27-T30-T40
7 — T10-T15-T20-T25-T27-T30-T40
6 — 3-4-5-6-7-8 mm

Art. 1789

1/4" 1/4"

1/4" 1/4"

PU NY — Art. 2336 — 360 g

Art. 2303 — 300 g

10 — 1.5-2-2.5-3-4-5 6-7-8-10 mm — Art. 3602

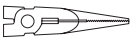
9 — T10-T15-T20-T25-T27 T30-T40-T45-T50 — Art. 3605

5 — Art. 3370 — 4 x 150 mm, 12 x 130 mm, 5 x 130 mm, 3 x 120 mm, 4 x 120 mm

6 — Art. 4321 — 165 mm

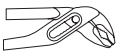
Art.	▢	⬢
3995	1/4" + 3/8"	1/4" + 4 mm
3995.1	Version with PB screwdrivers *Modelo con destornilladores PB* Modelo com chaves parafusos PB	

Art. 3281-180 180 mm



Art. 3285-200 200 mm

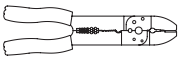
Art. 3282-160 160 mm



Art. 2221-250 250 mm

Art. 3289-160 160 mm

Art. 2240 150 mm



Art. 2225 240 mm

6 Art. 3312 18 mm

10× Art. 3314 18 mm

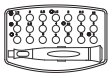
5 Art. 4110-1 0.5 x 3 mm
Art. 4110-2 0.8 x 4 mm
Art. 4110-3 0.9 x 5 mm
Art. 4110-4 1.1 x 6 mm
Art. 4110-5 1.2 x 8 mm

2 Art. 4115-1 No. 1
Art. 4115-2 No. 2

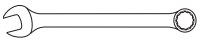
4 Art. 4125-15 T15
Art. 4125-20 T20
Art. 4125-25 T25
Art. 4125-30 T30

Art. 4128 1/4" x 100mm

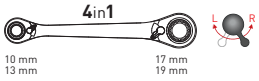
Art. 4701-0519 5 m x 19 mm



Art. 3180

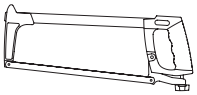


16 5.5-6-7-8-9-10-11-12-13
14-15-16-17-18-19-22 mm

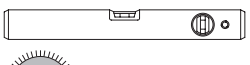


Art. 3404-1019
10 × 13 mm / 17 × 19 mm

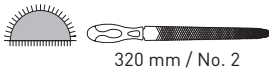
Art. 2138 110-250 V



Art. 3305 300 mm

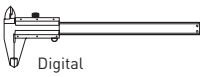


400 mm



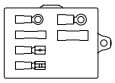
320 mm / No. 2 Art. 4320-2 320 mm

Art. 3574 250 mm / 10"



Art. 2972C 150 mm / 0 - 6"

Art. 32065 6 LED
(excl. 3x AAA)



50

Universal socket wrench- and tool-set
in slim, lockable aluminium tool-case

Surtido universal de llaves de vaso y herramientas
en maleta compacta de aluminio y cerradura con llave

Conjunto universal de chaves caixa e ferramentas
em mala de aluminio compacta e bloqueável

1/4" 1/2" 1/4" 109 PCS

470 x 330 x 90 mm

1/4"	14	3.5-4-4.5-5-5.5-6-7 8-9-10-11-12-13-14 mm
	5	8-10-11-12-13 mm
		1/4" 1/4"
		1/4" 1/4"
	2	50 mm / 100 mm
		115 mm
45		Art. 3200B
		1/4"
1/2"	15	10-13-14-15-16-17-18-19 21-22-24-27-30-32-34 mm
	4	14-17-18-19 mm
CrMo	3	17-19-21 mm
	2	16 / 21 mm
		1/2" 1/2"
	2	125 / 250 mm
		3/8" 1/2"
45		Art. 3220B
1/4" S2	6	4-4.5-5.5-6-6.5-8 mm
	4	PH 0-1-2-3
	3	PZ 1-2-3
	6	T10-T15-T20-T25-T30-T40
	6	T10-T15-T20-T25-T30-T40
	6	3-4-5-6-7-8 mm
Art. 1789		
		1/4" 1/4"
		1/4" 1/4"
	9	1.5-2-2.5-3-4-5-6-8-10 mm
	12	8-10-11-12-13-14-15 16-17-18-19-22 mm

Art.		
4055	1/4" + 1/2"	1/4"

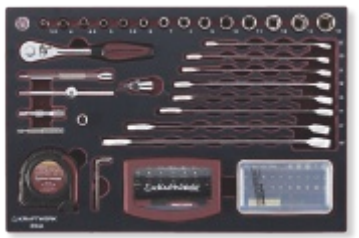
Professional tool case
Maletín con herramientas profesionales
Mala de ferramentas profissional

1/4" | 1/4" | 4 mm | CrV

123 PCS

397 x 270 x 134 mm

1/4"		14	3.5-4-4.5-5-5.5-6-7-8 9-10-11-12-13-14 mm
			1/4" 1/4"
			1/4" 1/4"
		2	50 mm / 100 mm
			110 mm
45			Art. 3200B
		3	1.5-2-2.5 mm
			1/4" 1/4"
			3 m x 16 mm
		8	8-10-11-12-13-14-17-19 mm
1/4"		4	4.5-5-6.5-8 mm
25 mm		4	PH 0-1-2-3
		3	PZ 1-2-3
		7	T10-T15-T20-T25-T27-T30-T40
	Art. 1789	7	T10-T15-T20-T25-T27-T30-T40
		6	3-4-5-6-7-8 mm
			1/4" 1/4"
			1/4" 1/4"
4 mm		5	1.5-2-2.5-3-4 mm
27 mm		3	PH000-00-0
		2	PZ 00-0
		4	T4-T5-T6-T7
	Art. 3180	4	T8-T9-T10-T15
		3	1.5-2-2.5 mm
		1	4.0 x 95 mm
	Art. 3601	9	1.5-2-2.5-3-4-5-6-8-10 mm
	Art. 3281-180		180 mm
	Art. 3282-160		160 mm
	Art. 3285-200		200 mm
	Art. 2221-250		250 mm
	Art. 3310	3	9 mm
	Art. 3313	10	9 mm
	Art. 32065		6 LED (excl. 3x AAA)
	Art. 4110-2 Art. 4110-4	2	4.0 x 100 mm 6.0 x 150 mm
	Art. 4115-1 Art. 4115-2	2	PH 1 x 75 mm PH 2 x 100 mm
	Art. 4128		1/4" x 100 mm
	Art. 2850		1/4"
	Art. 2138		110-250V
	Art. 2303		300 g



Art.	○	⬢
3944	1/4"	1/4" + 4 mm
3944.1	Version with PB screwdrivers *Modelo con destornilladores PB* Modelo com chaves parafusos PB	
3944.2	Version with PB screwdrivers and Hightech pliers *Modelo con destornilladores PB y pinzas Hightech* Modelo com chaves parafusos PB e alicates Hightech	

KRAFTWERK
FAVORITE TOOLS SINCE 1979

Professional aluminium tool-case
Maletín profesional en aluminio
Mala de ferramentas em alumínio

1/4" 3/8" 1/4" 4 mm

CrV 151 PCS

433 x 323 x 149 mm

1/4"		7	3.5-4-4.5-5-5.5-6-7 mm
3/8"		16	8-9-10-11-12-13-14-15-16 17-18-19-20-21-22-24 mm
		2	16 mm / 21 mm
			3/8" 1/4"
			3/8" 3/8"
		2	75 mm / 150 mm
			3/8" 1/2"
			3/8" 1/4"
45			Art. 3210B
1/4"	25 mm	4	4.5-5-6.5-8 mm
		4	PH 0-1-2-3
		3	PZ 1-2-3
		7	T10-T15-T20-T25-T27-T30-T40
		7	T10-T15-T20-T25-T27-T30-T40
	Art. 1789	6	3-4-5-6-7-8 mm
			1/4" 1/4"
			1/4" 1/4"
4 mm	27 mm	5	1.5-2-2.5-3-4 mm
		3	PH00-00-0
		2	PZ 00-0
		4	T4-T5-T6-T7
	Art. 3180	4	T8-T9-T10-T15
		3	1.5-2-2.5 mm
		1	4.0 x 95 mm
	Art. 2410		250 mm / 10"
		3	1.5-2-2.5 mm
	Art. 3602	10	1.5-2-2.5-3-4 5-6-7-8-10 mm
	Art. 3281-180		180 mm
	Art. 3282-160		160 mm
	Art. 3285-200		200 mm
	Art. 2221-250		250 mm
	Art. 2240		150 mm
	Art. 2303		300 g
	Art. 3370	5	4 x 150 mm 12 x 130 mm 5 x 130 mm 3 x 120 mm 4 x 120 mm
	Art. 3305		300 mm

		3	300 mm / 24t
	Art. 3312	6	18 mm
	Art. 3314	10	18 mm
	Art. 4320-2		250 mm / No. 2
			175 mm
			150 mm / 0-6" digital
			3 m x 16 mm
	Art. 32065		6 LED (excl. 3x AAA)
	Art. 4110-2 Art. 4110-4	2	4.0 x 100 mm 6.0 x 150 mm
	Art. 4115-1 Art. 4115-2	2	PH 1 x 75 mm PH 2 x 100 mm
	Art. 4128		1/4" x 100 mm
	Art. 2138		110-250V

Art.	○	⬢
3946	1/4" + 3/8"	1/4" + 4 mm
3946.1	Version with PB screwdrivers *Modelo con destornilladores PB* Modelo com chaves parafusos PB	
3946.2	Version with PB screwdrivers and Hightech pliers *Modelo con destornilladores PB y pinzas Hightech* Modelo com chaves parafusos PB e alicates Hightech	

Professional aluminium tool-case
Maletín profesional en aluminio
Mala de ferramentas em alumínio

489 x 365 x 178 mm

1/4"	14	3.5-4-4.5-5-5.5-6-7 8-9-10-11-12-13-14 mm
		1/4" 1/4"
		1/4" 1/4"
	2	50 mm / 100 mm
		1/4" 1/4"
45		Art. 3200B
1/2"	14	10-13-15-16-17-18-19 20-21-22-24-27-30-32 mm
		1/2" 1/2"
		250 mm
		3/8" 1/2"
45		Art. 3220B
1/4"	4	4.5-5-6.5-8 mm
25 mm	4	PH 0-1-2-3
	3	PZ 1-2-3
	7	T10-T15-T20-T25-T27-T30-T40
	7	T10-T15-T20-T25-T27-T30-T40
Art. 1789	6	3-4-5-6-7-8 mm
		1/4" 1/4"
		1/4" 1/4"
		1/4" 1/4"
	9	8-10-11-12-13-14-17-19-22 mm
Art. 2410		250 mm / 10"
Art. 3602	10	1.5-2-2.5-3-4-5-6-7-8-10 mm
Art. 3605	9	T10-T15-T20-T25-T27 T30-T40-T45-T50
Art. 4110-2		0.8 x 4.0 mm
Art. 4110-3	3	0.9 x 5.0 mm
Art. 4110-4		1.1 x 6.0 mm
Art. 4115-1		
Art. 4115-2	2	PH 1-2
Art. 4125-15	4	T15-T20-T25-T30
Art. 4125-20		
Art. 4125-25		
Art. 4125-30		
Art. 4128		1/4"
Art. 2138		110-250V
Art. 3281-180		180 mm
Art. 3282-160		160 mm
Art. 3180		

Art.	⬡	⬢
3948	1/4" + 1/2"	1/4" + 4 mm
3948.1	Version with PB screwdrivers *Modelo con destornilladores PB* Modelo com chaves parafusos PB	
3948.2	Version with PB screwdrivers and Hightech pliers *Modelo con destornilladores PB y pinzas Hightech* Modelo com chaves parafusos PB e alicates Hightech	

Art. 3285-200		200 mm
Art. 2221-250		250 mm
Art. 2216-200		200 mm
Art. 2225		240 mm
Art. 2240		150 mm
Art. 2303		300 g
Art. 3370	5	4 x 150 mm 12 x 130 mm 5 x 130 mm 3 x 120 mm 4 x 120 mm
Art. 3305		300 mm
	3	300 mm / 24Z
Art. 3310		9 mm
Art. 3313	10	9 mm
Art. 3312		18 mm
Art. 3314	10	18 mm
Art. 4320-2		320 mm / No. 2
	6	160 mm
Art. 3197		2000 g
		175 mm
Art. 32065		6 LED (excl. 3x AAA)
		150 mm 0-6" / digital
		5 m x 19 mm
	20	200 mm

Professional tool case with BOSCH cordless drill/driver

with edge protection. The tools are shakeproof embedded in special high density soft foam (EVA) inserts with a durable hard top lamination resp. well fixed in pouches or rubber bands on the tool-pallets and in the case cover.

Maletín con herramientas profesionales con atornillador / taladro a batería BOSCH

con protección de bordes. Las herramientas están encastradas en bandejas de espuma de alta densidad (EVA), con recubrimiento plástico superior resistente, bien fijadas en las bandejas con bandas elásticas.

Mala de ferramentas profissional com aparafusadora a bateria BOSCH

com cantos protegidos. As ferramentas estão inseridas em espuma de alta densidade (EVA) com uma protecção acrílica. Bem fixas em bolsas nos tabuleiros ou bandas elásticas na tampa da mala.

1/4" 1/2" 1/4" 4 mm

CrV 264 PCS

489 x 365 x 178 mm

1/4"	14	3.5-4-4.5-5-5.5-6-7-8-9 10-11-12-13-14 mm
		1/4" 1/4"
		1/4" 1/4"
		1/4" 1/4"
		100 mm
45		Art. 3200B
		1/4" 1/4"
1/2"	12	15-16-17-18-19-20 21-22-24-27-30-32 mm
		1/2" 1/2"
		3/8" 1/2"
		250 mm

45		
1/4"		
	4	4.5-5.5-6.5-8 mm
	4	PH 0-1-2-3
	3	PZ 1-2-3
	7	T10-T15-T20-T25-T27-T30-T40
	7	T10-T15-T20-T25-T27-T30-T40
	6	3-4-5-6-7-8 mm
		1/4" 1/4"
		1/4" 1/4"
		Art. 3220B
	19	Ø 1-10 mm / 0.5 mm HSS-G / DIN 338 N
2x Li-Ion 10.8 V 2000 mAh	3	BOSCH GSR 10,8-2-LI Professional
	1	60-min

Art.	⬡	⬢
3949	1/4" + 1/2"	1/4" + 4 mm
3949.1	Version with PB screwdrivers *Modelo con destornilladores PB* Modelo com chaves parafusos PB	
3949.2	Version with PB screwdrivers and Hightech pliers *Modelo con destornilladores PB y pinzas Hightech* Modelo com chaves parafusos PB e alicates Hightech	

		8	8-10-11-12-13-14-17-19 mm
	Art. 3602	10	1.5-2-2.5-3-4-5-6-7-8-10 mm
	Art. 3605	9	T10-T15-T20-T25-T27 T30-T40-T45-T50
	Art. 4320-2		320 mm / No. 2
		6	165 mm
	Art. 2138		110-250V
	Art. 3196		2000 g
	Art. 32065		6 LED (excl. 3x AAA)
	Art. 4701-0519		5 m x 19 mm
4 mm		5	1.5-2-2.5-3-4 mm
		3	PH000-00-0
		2	PZ 00-0
		4	T4-T5-T6-T7
Art. 3180		4	T8-T9-T10-T15
		3	1.5-2-2.5 mm
		1	4.0 x 95 mm

	Art. 2410		250 mm / 10"
	Art. 3305		300 mm
	Art. 3316-24	3	300 mm / 24Z
	Art. 3970		228 mm
	Art. 2303		300 g
	Art. 3370	5	4 x 150 mm 12 x 130 mm 5 x 130 mm 3 x 120 mm 4 x 120 mm
	Art. 3312		18 mm
	Art. 3314	10	18 mm
		20	

	Art. 2240		150 mm
	Art. 3281-180		180 mm
	Art. 3282-160		160 mm
	Art. 3285-200		200 mm
	Art. 2225		240 mm
		50	
	Art. 2221-250		250 mm
	Art. 4110-2		0.8 x 4.0 mm
	Art. 4110-3	3	0.9 x 5.0 mm
	Art. 4110-4		1.1 x 6.0 mm
	Art. 4115-1 Art. 4115-2	2	PH 1-2
	Art. 4128		1/4"

HIGHTECH FINE POWER

120 fine-tooth ratchet handle in compact and slim carbon look PU-case with anodized aluminium frame and snap locks.

Maletín ABS HIGHTECH FINE POWER

con carraca de precisión de 120 dientes, en maletín de PU con efecto carbono y estructura en aluminio anodizado y cerradura.

Mala em ABS HIGHTECH FINE POWER

com roquete de 120 dentes finos, inseridos numa mala de PU estilo carbono com moldura de aluminio anodizado e fecho.

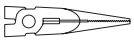
1/4" 3/8" 1/4" 4 mm CrV S2 quality 175 PCS

HIGHTECH FINE POWER

485 x 350 x 120 mm

Art. 3282-160 — 160 mm

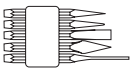
Art. 3281-180 — 180 mm



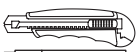
Art. 3285-200 — 200 mm

Art. 2221-250 — 250 mm

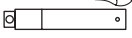
Art. 3602 — 10 — 1.5-2-2.5-3-4-5-6-7-8-10 mm



Art. 3370 — 5 — 4 x 150 mm; 12 x 130 mm; 5 x 130 mm; 3 x 120 mm; 4 x 120 mm



Art. 3312 — 18 mm



Art. 3314 — 10 — 18 mm

Art.	○	⬢
4015	1/4" + 3/8"	1/4" + 4 mm
4015.1	Version with PB screwdrivers *Modelo con destornilladores PB* Modelo com chaves parafusos PB	

1/4"	7	3.5-4-4.5-5-5.5-6-7 mm
3/8"	16	8-9-10-11-12-13-14-15-16 17-18-19-20-21-22-24 mm
	2	16 mm / 21 mm
		3/8" 1/4"
		3/8" 3/8"
	2	75 mm / 150 mm
		1/2" 3/8"
		3/8" 1/4"
120		Art. 3210
		HIGHTECH FINE POWER
72		Art. 3799
	8	8-10-11-12-13-14-17-19 mm
	Art. 32065	6 LED (excl. 3x AAA)
	3	1.5-2-2.5 mm
4 mm CrV	5	1.5-2-2.5-3-4 mm
	3	PH000-00-0
	2	PZ 00-0
	4	T4-T5-T6-T7
	4	T8-T9-T10-T15
Art. 3180	3	1.5-2-2.5 mm
		4.0 x 95 mm
1/4" S2 quality	6	4-4.5-5.5-6-6.5-8 mm
	4	PH 1-2-3-4
	4	PZ 1-2-3-4
	8	T8-T10-T15-T20-T25-T27-T30-T40
	8	T8-T10-T15-T20-T25-T27-T30-T40
	6	3-4-5-6-7-8 mm
	6	2-2.5-3-4-5-6 mm
	6	5/64"-3/32"-7/64"-1/8"-9/64"-5/32"
	4	Nos. 4-6-8-10
	4	Nos. 1-2-3-4
	3	Nos. 6-8-10
		1/4" 1/4"
		1/4" 1/4"

BIT-Box
Art. 3777
101 × 90 × 32 mm
61 PCS

Art. 4110-2 Art. 4110-4	2	4.0 x 100 mm 6.0 x 150 mm
Art. 4115-1 Art. 4115-2	2	PH1 x 75 mm PH2 x 100 mm
Art. 4128		1/4" x 100
Art. 2138		110-250V
Art. 47123		200 mm (0-36 mm)
M22		
Art. 2303		300 g
Art. 2240		150 mm
Art. 3196		130 - 630 mm 2 kg
		175 mm
Art. 4701-0316		3 m x 16 mm

KRAFTWERK
FAVORITE TOOLS SINCE 1979

Universal tool set

in solid metal tool box with 5 compartments, lockable with padlock. With the tidy PS-tray system, the position of each tool is quickly found. Tool-contents specially matching the requests of the apprentices. Box dimensions fitting the lockers!

Juego de herramientas universales

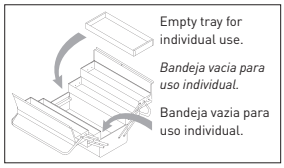
en caja sólida de 5 compartimentos, cerradura con candado. Con sistema de bandejas en PVC, cada herramienta se localiza facilmente. Herramientas especialmente seleccionadas para aprendices. Las dimensiones de la caja se adaptan a los armarios. Bandeja vacía para uso individual.

Conjunto de ferramentas universais

em caixa sólida de 5 compartimentos, fechadura com cadeado. Com sistema de bandejas em PVC, a posição de cada ferramenta encontra se facilmente. Ferramentas especialmente selecionadas para aprendizes. As dimenssões da caixa adaptam-se aos armários.

1/4" 1/2" 1/4" 106 PCS

485 × 260 × 240 mm



1/4"	11		3.5-4-5-6-7-8-9 10-11-12-13 mm
			50 mm
			1/4" 1/4"
45			Art. 3200B
1/2"	14		10-13-14-15-16-17-18 19-21-22-24-27-30-32 mm
			125 mm
			1/2" 1/2"
45			Art. 3220B
1/4" S2	4		4.5-5.5-6.5-8 mm
	4		PH 0-1-2-3
	3		PZ 1-2-3
Art. 1789	7		T10-T15-T20-T25-T27-T30-T40
	7		T10-T15-T20-T25-T27-T30-T40
	6		3-4-5-6-7-8 mm
			1/4" 1/4"
			1/4" 1/4"
	10		8-9-10-11-12-13-14-15-17-19 mm
Art. 3605	9		T10-T15-T20-T25-T27-T30-T40-T45-T50

Art.			
Art. 3601	9		1.5-2-2.5-3-4-5-6-8-10 mm
Art. 4110-2 Art. 4110-3	2		0.4 x 2.5 mm - 0.9 x 5 mm
Art. 4115-1 Art. 4115-2	2		PH 1-2
Art. 4128			1/4"
Art. 2138			110-250V
Art. 3281-180			180 mm
Art. 328-200			200 mm
Art. 2221-251C			250 mm
Art. 2240			150 mm
Art. 2303			300 g
Art. 1350-3			3 mm
Art. 1358-2			No. 2
3m Art. 4701-0316			3 m x 16 mm

Art.		
3036	1/4" + 1/2"	1/4"

Professional ABS tool case
with 2 tool-pallets, solid aluminium frame and reinforced edges for shock-protection, snap-locks and numeric lock.

Maletín con ruedas y asa telescópica en ABS
con 2 paneles sin herramientas, estructura reforzada de alluminio con protección contra golpes, 2 cerraduras con llave y cerradura con código numérico.

Mala profissional em ABS
com chassis em alumínio sólido e proteção anti-choque, com 2 fechaduras, chaves e numérica.

Art.	⚖
2998	5.2 kg

486 x 373 x 190 mm
exterior

ABS

Professional trolley ABS tool case
with solid aluminium frame and reinforced edges on 2 in-line wheels with 2 tilting locks and extractable handle.

Maletín con ruedas en ABS
con esqueleto sólido en alluminio, bordes reforzados, 2 ruedas en linea, 2 cerraduras, asa telescópica.

Mala profissional tipo trolley em ABS
com protecção contra choques, 2 fechaduras, 2 rodas em linha e pega extensível.

Art.	⚖
2995	6.7 kg

490 x 410 x 265 mm
exterior

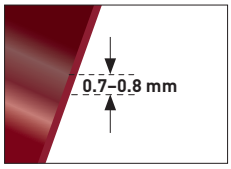
ABS

Metal tool box
of thick steel sheet, with 5 compartments.
European quality product.

Caja metálica
de plancha fina de acero, con 5 compartimentos
Producto de calidad europea.

Caixa de ferramenta
de chapa de aço grosso, com 5 divisórias.
Produto Europeu de qualidade.

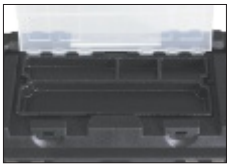
Art.	✣	⚖
3952	430 x 200 x 200 mm	5.8 kg
3950	530 x 200 x 200 mm	6.5 kg



Stainless steel tool box
Caja para herramientas en acero inoxidable
Caixa de ferramentas em aço inoxidável

inox

Art.	✣
3953	400 x 230 x 200 mm
3954	420 x 250 x 200 mm



Trolley tool backpack
- Made of robust and impermeable 600 denier polyester
- With telescope rubber handle
- With 3 compartments, side pockets and special laptop compartment
- Ideal as hand luggage on travels by air

Bolsas para herramientas
- *Realizados en poliester de 600 denier, resistente e impermeable*
- *12 compartimentos externos y 8 internos para más capacidad*
- *Con cremallera*
- *Con asa y correa acolchada*

Bolsas para ferramentas
- Fabricado em poliester de 600 denier
- 12 bolsos externos e 8 internos para uma maior capacidade de armazenamento
- Com fecho
- Com alça almofadada e pegas

Art.	✣	max. ⚖	L
3955	400 x 220 x 350 mm	15 kg	24
3956	510 x 360 x 400 mm	20 kg	42

Trolley tool backback
- Made of robust and impermeable 600 denier polyester
- With telescopic rubber handle
- With 3 compartments, side pockets and special laptop compartment

Mochila con carrito
- *Realizados en poliester de 600 denier, resistente e impermeable*
- *Con mango telescópico en caucho*
- *Con 3 compartimentos, compartimentos laterales y compartimento para portátil*

Mochila com trolley
- Fabricada em poliester de 600 denier
- Com pega telescópica revestida a borracha
- Com 3 compartimentos, bolsos laterais e compartimento para computador portátil

Art.	✣	max. ⚖	L
3957	350 x 200 x 550 mm	20 kg	20

Heavy duty tool bags with steel handle

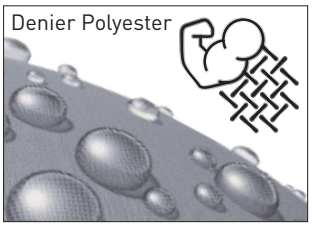
- Made of robust and impermeable 1680 denier polyester
- Solid premium steel handle with ergonomic cushion
- With specially reinforced side panels
- Cover with zipper
- Numerous inside pockets
- Solid plastic bottom made of PVC
- With cushioned sling with strap

Bolsas para herramientas con asa metálica

- *Realizados en poliester de 1680 denier, resistente e impermeable*
- *Asa sólida en acero de alta calidad con cojín ergonómico*
- *Con los paneles laterales reforzados*
- *Cremallera*
- *Numerosos compartimentos interiores*
- *Fondo de plástico sólido de PVC*
- *Correa acolchada*

Bolsa para ferramentas com pega metálica

- Fabricada em poliester de 600 denier, resistente e impermeavél
- Pega sólida em aço de alta qualidade com revestimento emborrachado
- Protecção com fecho
- Diversos bolsos interiores
- Fundo de plástico sólido em PVC
- Alça almofadada



Big space
Más capacidad de almacenamiento
Mais armazenamento

Solid steel handle
Asa sólida en acero de alta calidad
Punho em aço de alta qualidade

Solid PVC bottom
Fondo de plástico sólido de PVC
Fondo in solido PVC

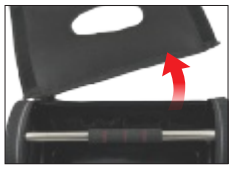
Cushioned carrying strap, detachable
Correa tapizada desmontable
Cinto removível estofada

Heavy duty tool bag with steel handle
Bolsa para herramientas con asa metálica
Saco universal para ferramentas com pega de aço

Art.	✣	max. ⚖	L
3958	390 x 210 x 300 mm	18 kg	10

Heavy duty tool bag with steel handle
Bolsa para herramientas con asa metálica
Saco universal para ferramentas com pega de aço

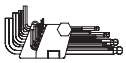
Art.	✣	max. ⚖	L
3959	440 x 260 x 370 mm	23 kg	40

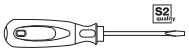


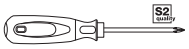
Tool bags with tools
Bolsas con herramientas
Sacos com ferramentas

Art.	✣	max. ⚖	L
3955-30	400 x 220 x 350 mm	15 kg	24
3956-30	510 x 360 x 400 mm	20 kg	42
3957-30	350 x 200 x 550 mm	20 kg	20
3958-30	390 x 210 x 300 mm	18 kg	10
3959-30	440 x 260 x 370 mm	23 kg	40

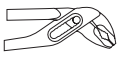
10 8-9-10-11-12-13-14-15-17-19 mm


10 T10-T15-T20-T25-T27
T30-T40-T45-T50


3 0.6 x 3 mm
0.8 x 4 mm
1.0 x 5 mm

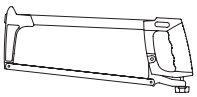

2 PH 1-2

180 mm


250 mm

300 g

3 m x 19 mm


300 mm

Magnetic aluminium socket rail

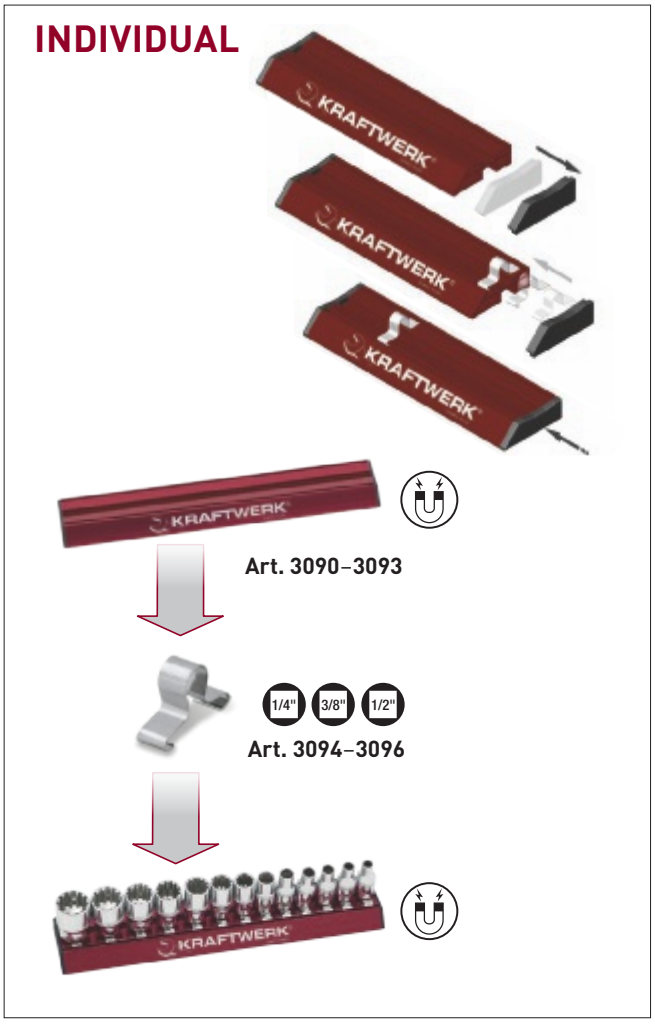
- Lightweight and compact
- Magnetic, no fixing by screws
- Corrosion-resistant
- You can combine your individuel socket-composition
- Clips/sockets 1/4", 3/8", 1/2" can be combined on the same rail

Regleta magnética de aluminio para vasos

- *Ligera y compacta*
- *Magnética, no necesita tornillos*
- *Resistente a la corrosión*
- *Puede realizar su composición individual de vasos*
- *Posibilidad de combinar en la misma regleta clips/vasos de 1/4", 3/8", 1/2"*

Suporte magnético em alumínio para chaves

- Leve e compacto
- Magnético, sem parafusos de fixação
- Resistente a corrosão
- Pode fazer a sua composição individual de chaves
- Clips/Chaves 1/4", 3/8", 1/2" podem ser combinadas no mesmo suporte



COMBI socket wrench set
Juego de llaves de vaso COMBI
Jogo de chaves de caixa COMBI

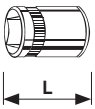
1/4" | 13 PCS

mm 4-4.5-5-5.5-6-7-8
9-10-11-12-13-14 mm

inch 5/32"-7/32"-1/4"-5/32"-5/16"
11/32"-3/8"-7/16"-15-32"-
1/2"

TX E5-E6-E8-E10-E12
E14-E16-E18

XZN M5-M6-M8-M9-M10
M12-M14-M16-M18



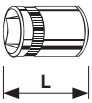
13

240 mm

Art.	⬡	L mm
130990	1/4"	25

Inch socket wrench set
Juego de llaves de vaso pulgadas
Jogo de chaves de caixa polegadas

1/4" | inch | 9 PCS



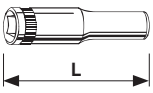
9 3/16"-7/32"-1/4"-9/32"-5/16"
11/32"-3/8"-7/16"-1/2"

185 mm

Art.	⬡	L mm
100599	1/4"	25

Deep socket wrench set
Juego de llaves de vaso largo
Jogo de chaves de caixa longa

1/4" | 12 PCS

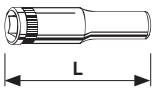


12 4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm

185 mm

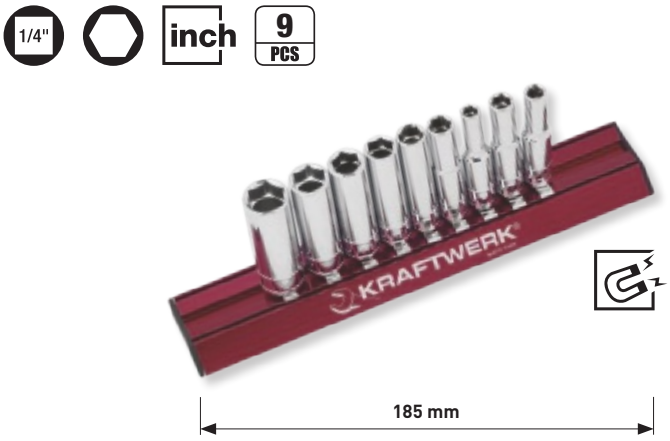
Art.	⬡	L mm
101990	1/4"	50

Inch deep socket wrench set
Juego de llaves de vaso largas pulgadas
Jogo de chaves de caixa longa polegadas

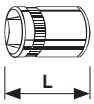


9 ⬡ 3/16"-7/32"-1/4"-9/32"-5/16"
11/32"-3/8"-7/16"-1/2"

Art.	⬡	L mm
101599	1/4"	50

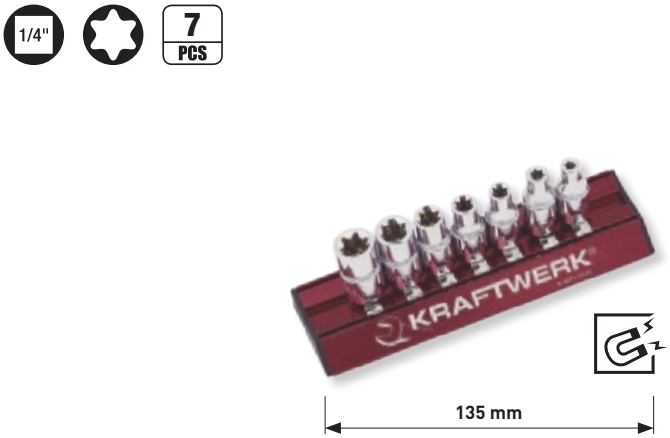


External TX socket wrench set
Juego de llaves de vaso TX exterior
Jogo de chaves de caixa TX exterior

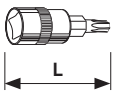


7 ✪ E4-E5-E6-E7-E8-E10-E11

Art.	⬡	L mm
120099	1/4"	25

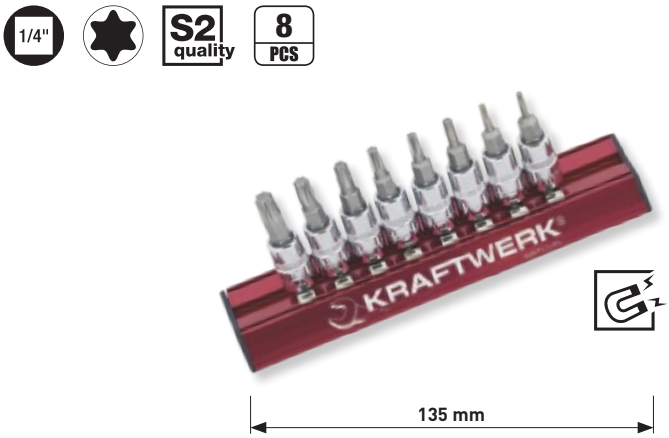


TX bit-socket wrench set
Juego de llaves de vaso con punta TX
Jogo de chaves de caixa com bit TX

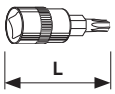


8 ✶ T8-T10-T15-T20-T25-T27-T30-T40

Art.	⬡	L mm
105099	1/4"	38

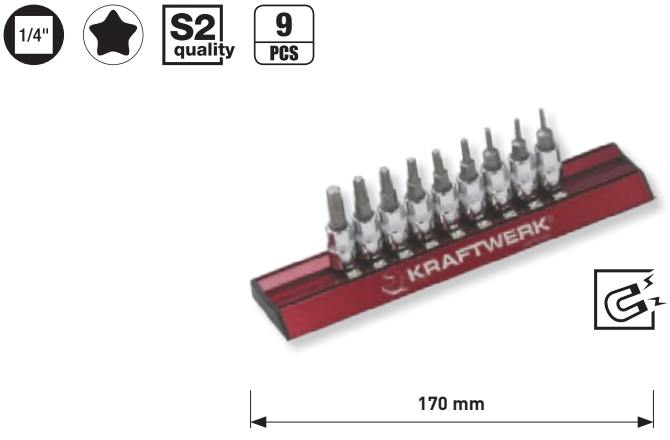


5-star TX bit-socket set
Juego de llaves de vaso con punta TX 5 puntas
Jogo de chaves de caixa com bit TX 5 pontas

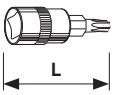


9 ★ TS8-TS9-TS10-TS15-TS20
TS25-TS27-TS30-TS40

Art.	⬡	L mm
115099	1/4"	38

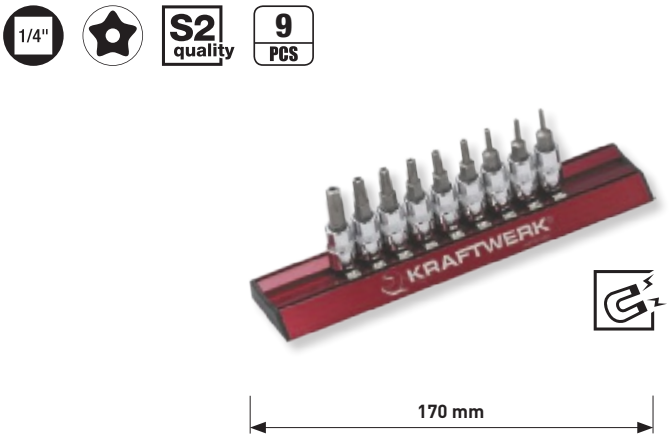


5-star tamper TX bit-socket set
Juego de llaves de vaso con punta TX seguridad de 5 puntas
Jogo de chaves de caixa com bit tamper TX 5 pontas

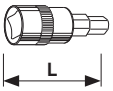


9 TS8-TS9-TS10-TS15-TS20
TS25-TS27-TS30-TS40

Art.		L mm
115399	1/4"	38

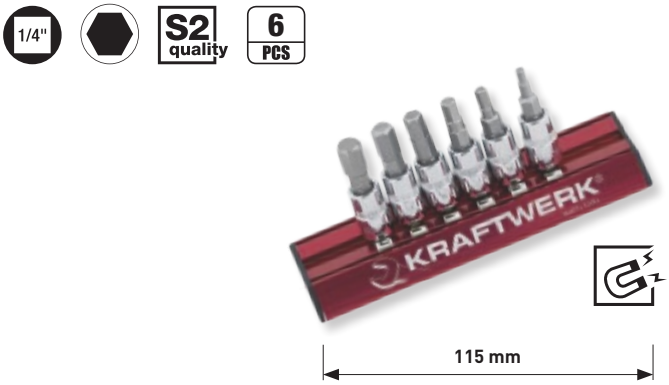


Hexagonal bit-socket wrench set
Juego de llaves de vaso con punta hexagonal
Jogo de chaves de caixa com bit sextavado

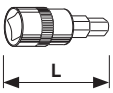


6 3-4-5-6-7-8 mm

Art.		L mm
106099	1/4"	38

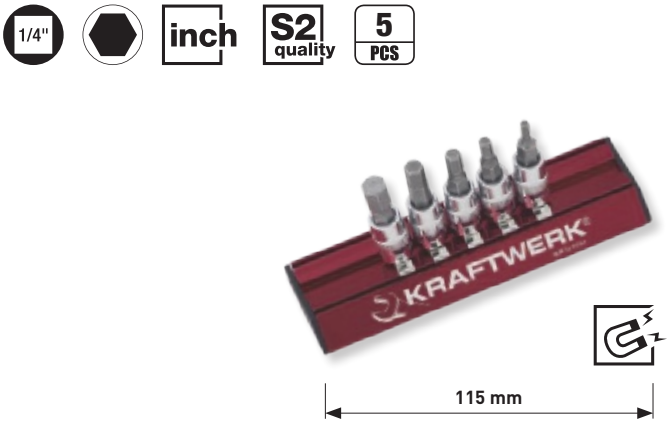


Inch hexagonal bit-socket wrench set
Juego de llaves de vaso con punta hexagonal pulgadas
Jogo de chaves de caixa com bit sextavado em polegadas

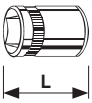


5 1/8"-5/32"-3/16"-7/32"-1/4"

Art.		L mm
106599	1/4"	38



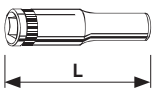
Inch socket wrench set
Juego de llaves de vaso pulgadas
Jogo de chaves de caixa polegadas



12 5/16"-3/8"-7/16"-1/2"-9/16"-5/8"
11/16"-3/4"-13/16"-7/8"-15/16"-1"

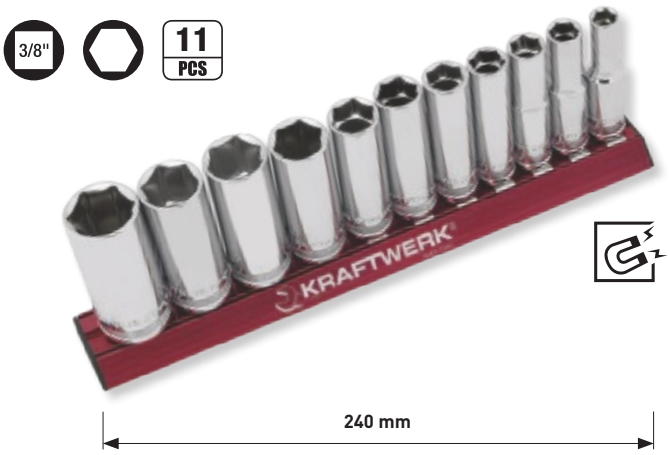
Art.		L mm
200599	3/8"	25

Deep socket wrench set
Juego de llaves de vaso largo
Jogo de chaves de caixa longa

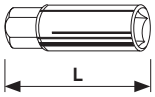


11 ⬡ 8-10-11-12-13-14-15-17-18-19-22 mm

Art.	⬡	L mm
201990	3/8"	64

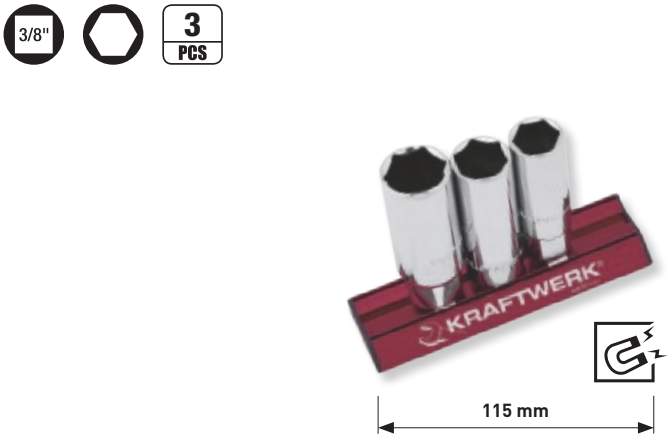


Spark plug socket wrench set
Juego de llaves de vaso para bujías
Jogo de chaves de caixa de velas

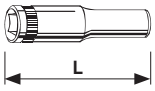


3 ⬡ 16-18-21 mm

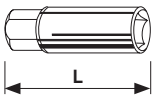
Art.	⬡	L mm
201998	3/8"	64-65-70



Inch deep socket wrench set
Juego de llaves de vaso largo pulgadas
Jogo de chaves de caixa longa polegadas

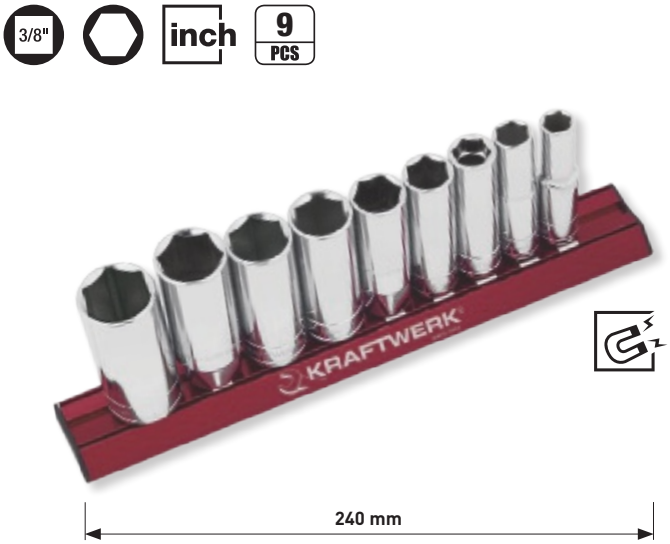


7 ⬡ 3/8"-7/16"-1/2"-9/16"-11/16"-3/4"-7/8"

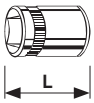


2 ⬡ 5/8"-13/16"

Art.	⬡	L mm
201599	3/8"	64



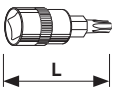
External TX socket wrench set
Juego de llaves de vaso TX exterior
Jogo de chaves de caixa TX-exterior



12 ⬡ E4-E5-E6-E7-E8-E10-E11
E12-E14-E16-E18-E20

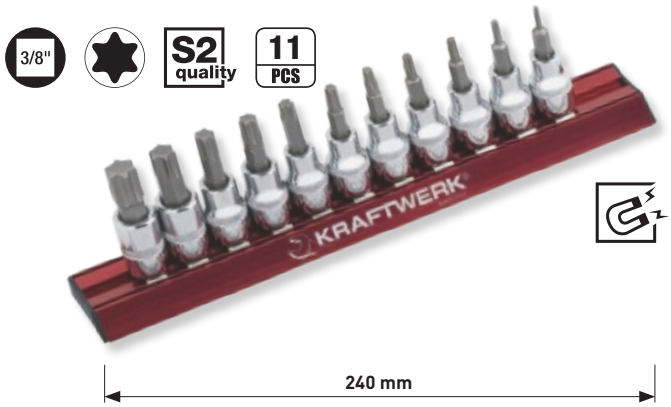
Art.	⬡	L mm
220099	3/8"	28

TX bit-socket wrench set
Juego de llaves de vaso con punta TX
Jogo de chaves de caixa com bit TX



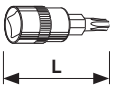
11 T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60

Art.	▢	L mm
205099	3/8"	48



240 mm

Tamper TX bit-socket wrench set
Juego de llaves de vaso con punta TX seguridad
Jogo de chaves de caixa com bit tamper TX

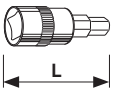


11 T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60

Art.	▢	L mm
205399	3/8"	48

240 mm

Hexagonal bit-socket wrench set
Juego de llaves de vaso con punta hexagonal
Jogo de chaves de caixa com bit sextavado

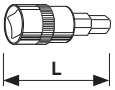


7 3-4-5-6-7-8-10 mm

Art.	▢	L mm
206099	3/8"	48

170 mm

Inch hexagonal bit-socket wrench set
Juego de llaves de vaso con punta hexagonal pulgadas
Jogo de chaves de caixa com bit sextavado em polegadas

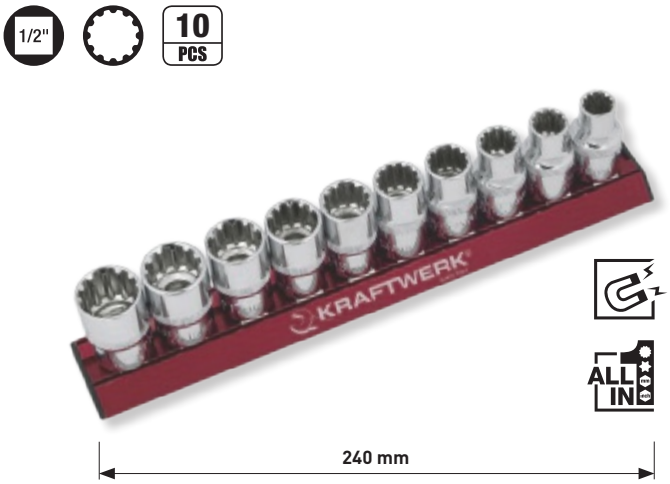


7 1/8"-5/32"-3/16"-7/32"-1/4"-5/16"-3/8"

Art.	▢	L mm
206599	3/8"	48

185 mm

COMBI socket wrench set
Juego de llaves de vaso COMBI
Jogo de chaves de caixa COMBI

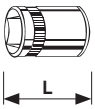


mm 10-11-12-13-14 15-16-17-18-19 mm

inch 3/8"-7/16"-15/32"-1/2" 19/32"-5/8"-3/4"

TX E12-E14-E16-E18 E20-E22-E24

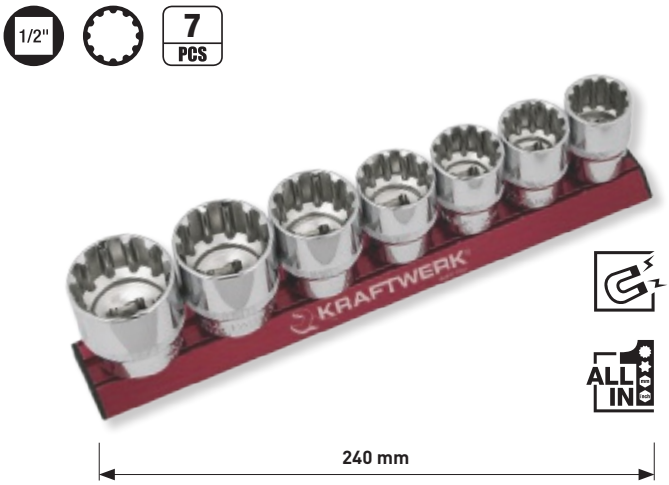
XZN M12-M14-M16-M18



10 ⬡

Art.	⬡	L mm
330990	1/2"	38

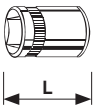
COMBI socket wrench set
Juego de llaves de vaso COMBI
Jogo de chaves de caixa COMBI



mm 20-21-22-24-27-30-32 mm

inch 25/32"-13/16"-7/8"-15/16" 1-1/16"-1-3/16"-1-1/4"

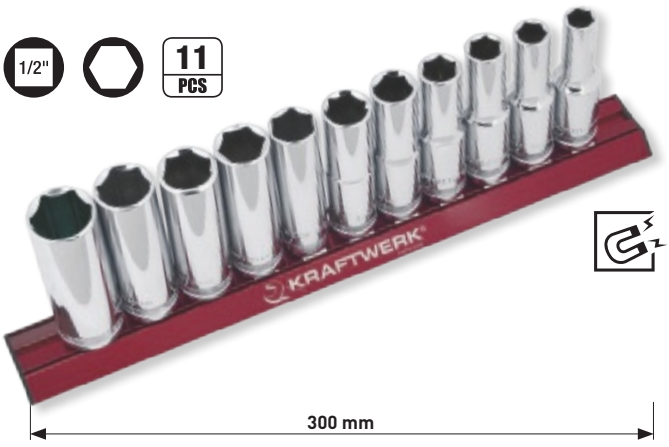
TX E26-E28-E30-E34 E38-E40

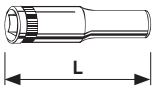


7 ⬡

Art.	⬡	L mm
330991	1/2"	42

Deep socket wrench set
Juego de llaves de vaso largo
Jogo de chaves de caixa longa

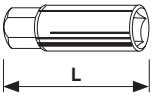




11 ⬡ 10-11-12-13-14-15-16-17-18-19-22 mm

Art.	⬡	L mm
301990	1/2"	77

Spark plug socket wrench set
Juego de llaves de vaso para bujías
Jogo de chaves de caixa de velas



2 ⬡ 16-21 mm

Art.	⬡	L mm
301998	1/2"	64-70

1/2" ⬡ 2 PCS

115 mm

Deep impact socket wrench set
Juego de llaves de vaso largo de impacto
Jogo de chaves de caixa longa impacto

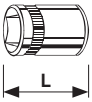
3 ⬡ 17-19-21 mm

Art.	⬡	L mm
381099	1/2"	85

1/2" ⬡ CrMo 3 PCS

115 mm

External TX socket wrench set
Juego de llaves de vaso TX exterior
Jogo de chaves de caixa TX-exterior



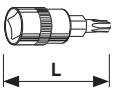
8 ⬡ E10-E12-E14-E16-E18-E20-E22-E24

Art.	⬡	L mm
320099	1/2"	40

1/2" ⬡ 8 PCS

240 mm

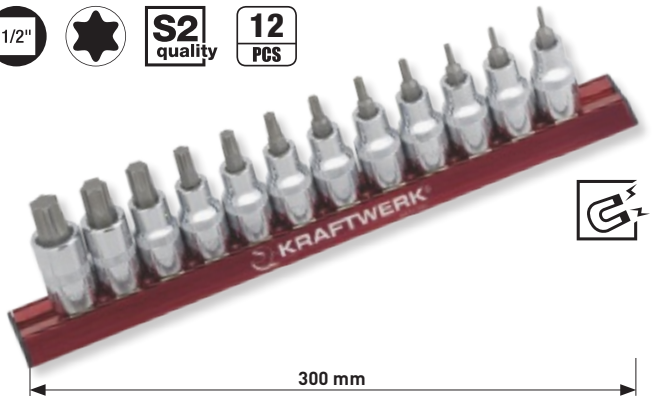
TX bit-socket wrench set
Juego de llaves de vaso con punta TX
Jogo de chaves de caixa com bit TX



12 ⬡ T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60-T70

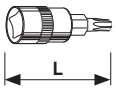
Art.	⬡	L mm
325099	1/2"	56

1/2" ⬡ S2 quality 12 PCS



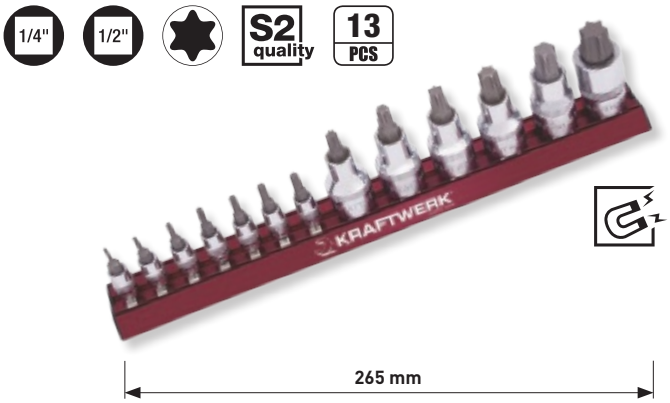
300 mm

TX bit-socket wrench set
Juego de llaves de vaso con punta TX
Jogo de chaves de caixa com bit TX

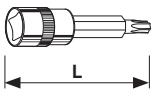


1/4" 7
1/2" 6
T8-T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60-T70

Art.	▢	L mm
99045	1/4" 1/2"	37 56

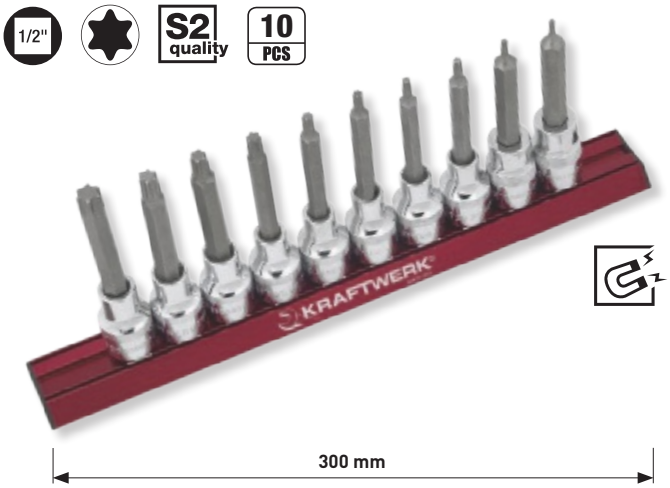


Long TX bit-socket wrench set
Juego de llaves de vaso largo con punta TX
Jogo de chaves de caixa com bit longas TX

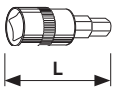


10
T10-T15-T20-T25-T27
T30-T40-T45-T50-T55

Art.	▢	L mm
335099	1/2"	100

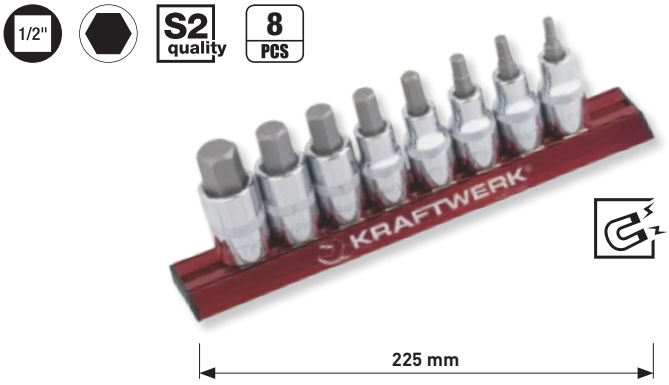


Hexagonal bit-socket wrench set
Juego de llaves de vaso con punta hexagonal
Jogo de chaves de caixa com bit sextavado

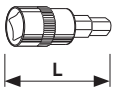


8
5-6-7-8-10-12-14-17 mm

Art.	▢	L mm
326099	1/2"	56

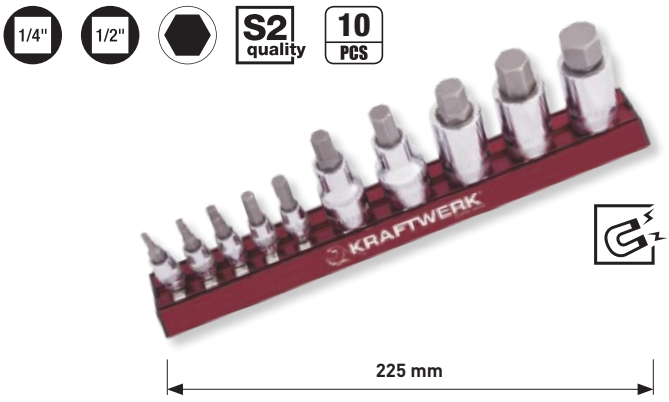


Hexagonal bit-socket wrench set
Juego de llaves de vaso con punta hexagonal
Jogo de chaves de caixa com bit sextavado

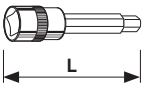


1/4" 5
1/2" 5
3-4-5-6-7 mm
8-10-12-14-17 mm

Art.	▢	L mm
99046	1/4" 1/2"	37 56



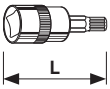
Long hexagonal bit-socket wrench set
Juego de llaves de vaso largo con punta hexagonal
Jogo de chaves de caixa com bit longo sextavado



6 ⬢ 5-6-7-8-10-12 mm

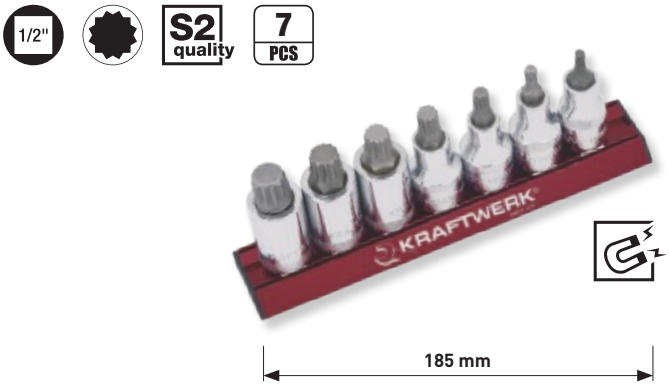
Art.	▢	L mm
336099	1/2"	100

XZN bit-socket wrench set
Juego de llaves de vaso con punta XZN
Jogo de chaves de caixa com bit XZN

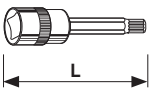


7 ✹ M5-M6-M8-M10-M12-M14-M16

Art.	▢	L mm
328099	1/2"	55

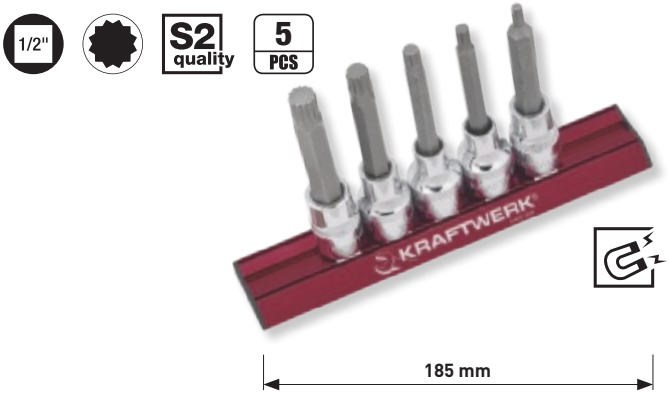


Long XZN bit-socket wrench set
Juego de llaves de vaso largo con punta XZN
Jogo de chaves de caixa com bit longo XZN

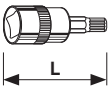


5 ✹ M5-M6-M8-M10-M12

Art.	▢	L mm
338099	1/2"	100

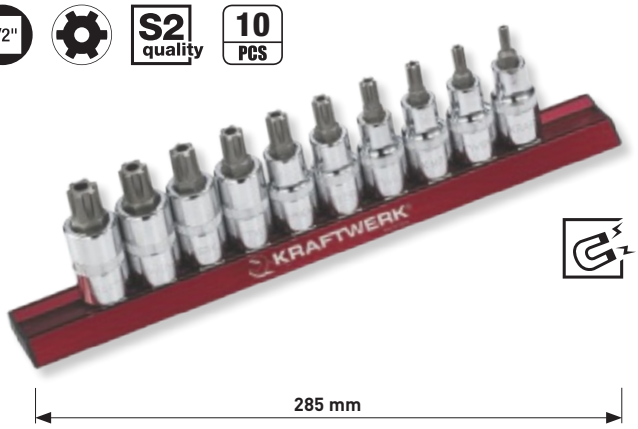


Tamper RIBE bit-socket set
Juego de llaves de vaso con punta RIBE de seguridad
Jogo de chaves de caixa com bit tamper RIBE

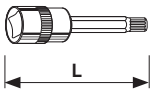


10 ✲ M5-M6-M7-M8-M9-M10
M11-M12-M13-M14

Art.	▢	L mm
329099	1/2"	55

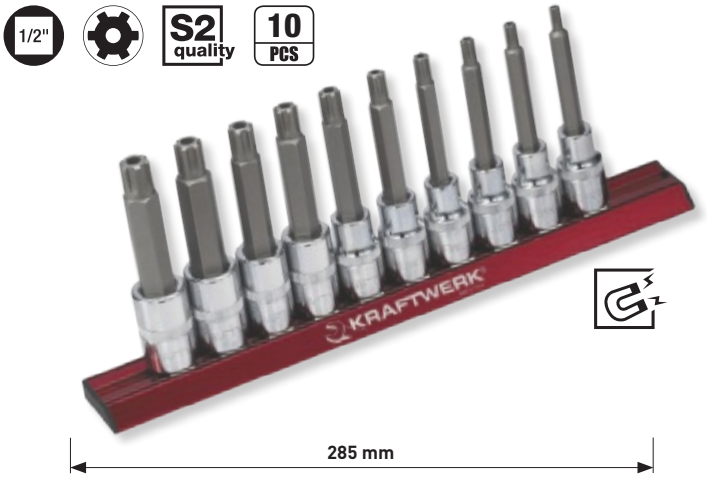


Long tamper RIBE bit-socket set
Juego de llaves de vaso largo con punta RIBE de seguridad
Jogo de chaves de caixa com bit longo tamper RIBE



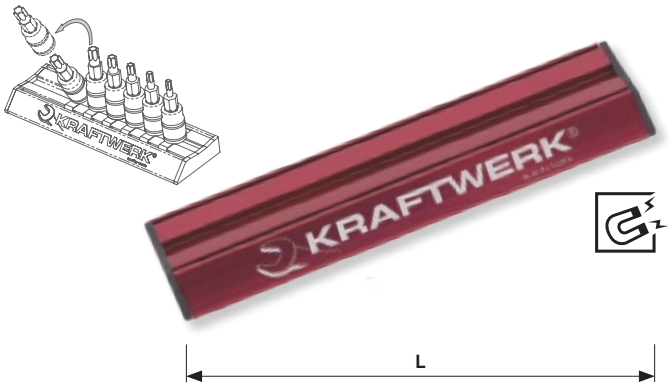
10 M5-M6-M7-M8-M9-M10
M11-M12-M13-M14

Art.		L mm
339099	1/2"	100



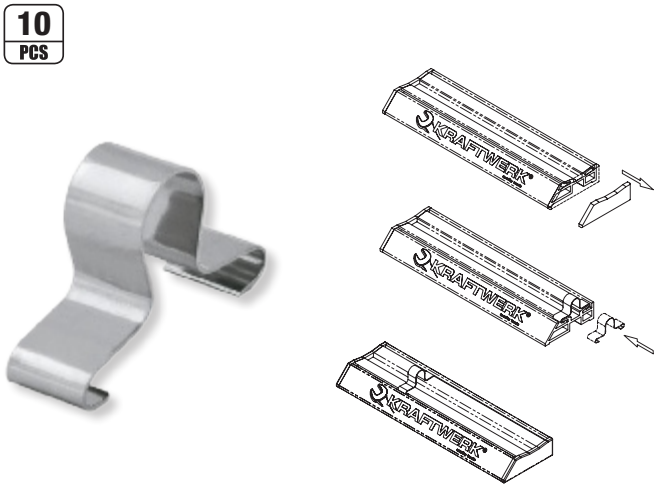
Magnetic aluminium socket rail
Regleta magnética aluminio
Suporte magnético de alumínio

Art.	L mm	
3090	115	1/4" - 3/8" - 1/2"
3091	185	1/4" - 3/8" - 1/2"
3092	240	1/4" - 3/8" - 1/2"
3093	300	1/4" - 3/8" - 1/2"



Socket rail clips
Bags of 10 pieces
Clips para regleta magnética
Bolsitas de 10 piezas
Clips para suporte magnético
Bolsa de 10 peças

Art.		
3094	10 pcs	1/4"
3094B	bulk, *a granel*, avulso	1/4"
3095	10 pcs	3/8"
3095B	bulk, *a granel*, avulso	3/8"
3096	10 pcs	1/2"
3096B	bulk, *a granel*, avulso	1/2"

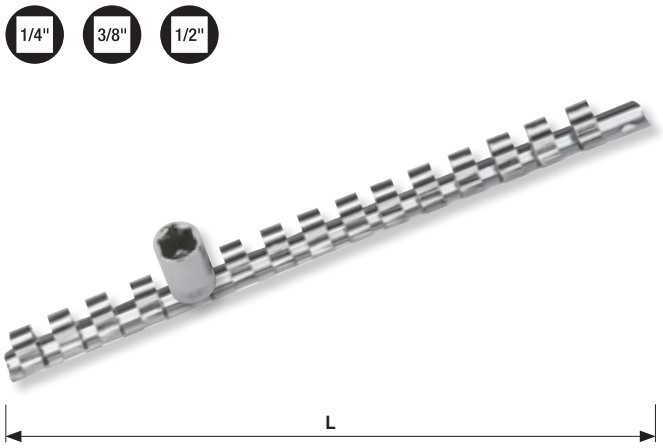


Socket rail
with 16 clips

Regleta para vasos
con 16 clips

Suporte para chaves
com 16 Clips

Art.	▢	L mm	
3097	1/4"	250	16
3098	3/8"	250	16
3099	1/2"	250	10

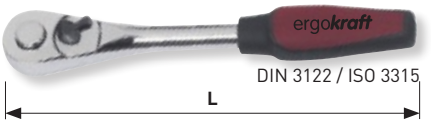


Reversible ratchet handle
Carraca reversible
Roquete manual reversível

1/4" 3/8" 1/2" 45

ERGOKRAFT

Art.	■		L mm
3200	1/4"		145
3204	1/4"	Stubby model / *Modelo corto* / Modelo curto	110
3200E	1/4"	Repair kit / *Kit reparación* / Kit de reparação	–
3210	3/8"		205
3214	3/8"	Stubby model / *Modelo corto* / Modelo curto	135
3210E	3/8"	Repair kit / *Kit reparación* / Kit de reparação	–
3220	1/2"		255
3220E	1/2"	Repair kit / *Kit reparación* / Kit de reparação	–



DIN 3122 / ISO 3315

Art. 3204 / 3214:

Art. 3200E / 3210E / 3220E

Fine teeth ratchet handle
Carraca reversible dentado fino
Roquete manual de dentes finos

1/4" 3/8" 1/2" 72

Art.	■		L mm
4009	1/4"		145
4009E	1/4"	Repair kit / *Kit reparación* / Kit de reparação	–
4019	3/8"		210
4019E	3/8"	Repair kit / *Kit reparación* / Kit de reparação	–
4029	1/2"		245
4029E	1/2"	Repair kit / *Kit reparación* / Kit de reparação	–

DIN 3122 / ISO 3315

Art. 4009E / 4019E / 4029E

Extendable fine teeth ratchet handle
Carraca reversible dentado fino extensible
Roquete extensível de dentes finos

1/4" 3/8" 1/2" 72

Art.	■		L mm
2000	1/4"		148 - 198
2000E	1/4"	Repair kit / *Kit reparación* / Kit de reparação	–
2010	3/8"		215 - 315
2010E	3/8"	Repair kit / *Kit reparación* / Kit de reparação	–
2020	1/2"		307 - 447
2020E	1/2"	Repair kit / *Kit reparación* / Kit de reparação	–

DIN 3122 / ISO 3315

Art. 2000E / 2010E / 2020E

Mini fine teeth ratchet handle
Mini carraca reversible dentado fino
Mini roquete manual de dentes finos

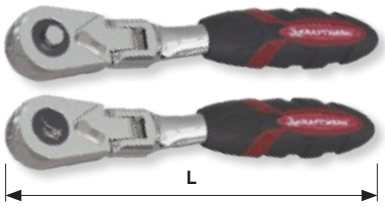
Art.	■	L mm
3006	1/4"	95

Micro ratchet handle
Micro carraca reversible
Micro roquete manual

Art.	■	L mm
3201B	1/4"	107 mm

Micro flexible ratchet handle set
Juego micro carracas reversibles articuladas
Jogo de micro roquetes flexível

Art.	■	○	L mm
3201F	1/4"	1/4"	108 mm



Heavy duty reversible ratchet handle
Carraca reversible industrial
Roquete manual reversível de grande torque

Art.	■	L mm
4000	1/4"	153
4010	3/8"	217
4020	1/2"	261

HIGHTECH FINE POWER Fine-tooth reversible ratchet handle

Carraca reversible de precisión HIGHTECH FINE POWER

Roquete de dentes finos reversivel HIGHTECH FINE POWER

HIGHTECH FINE POWER

1/4" 3/8" 1/2" 120

Art.	■		L mm
4001	1/4"		143
4001E	1/4"	Repair kit / *Kit reparación* / Kit de reparação	–
4011	3/8"		205
4011E	3/8"	Repair kit / *Kit reparación* / Kit de reparação	–
4021	1/2"		260
4021E	1/2"	Repair kit / *Kit reparación* / Kit de reparação	–

Composite ratchet handle

Carraca reversible en material compuesto

Roquete manual em compósito

1/4" 3/8" 1/2" 48

DIN 3122 / ISO 3315

Art.	■		L mm
3206	1/4"		143
3206E	1/4"	Repair kit / *Kit reparación* / Kit de reparação	–
3216	3/8"		205
3216E	3/8"	Repair kit / *Kit reparación* / Kit de reparação	–
3226	1/2"		260
3226E	1/2"	Repair kit / *Kit reparación* / Kit de reparação	–

Art. 3206E / 3216E / 3226E

Reversible twister ratchet handle

For work under confined space conditions. 60 fine-tooth ratchet with zero-degree twist arc swing handle. Square socket in handle for extension bar or t-handle. Also suitable as a conventional ratchet with insertable square socket for forward and reverse transition.

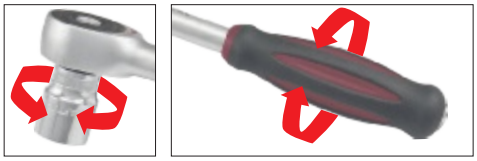
Carraca reversible con mango giratorio

Especialmente para los sitios estrechos sin espacio para girar. Mango ergonómico bimaterial. Cuadradillo en mango para alargaderas o barras "T". También utilizable como carraca normal de dentado fino (60 dientes). Función derecha/izquierda pulsando el cuadradillo.

Roquetes reversíveis com punho rotativo

para locais estreitos e sem espaço para rodar. O quadrado é movido sem ângulo de retorno por torção do punho. Encaixe no punho para barra de extensão ou manipulo T. Utilizável como roquete normal com dentes finos (60 dentes). Alternância entre direita e esquerda por pressão do encavador.

Art.	■	○	L mm
3208	**1/4"**	60	180
3218	**3/8"**	60	240
3228	**1/2"**	60	290



Mini reversible ratchet handle set

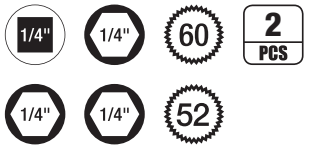
with ratchet handle for 1/4" sockets and 1/4" direct drive bits, in elegant aluminium box.

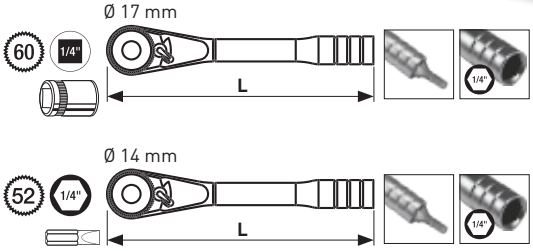
Juego de mini carracas reversibles

con carraca 1/4" para vasos y carraca para puntas. En caja de aluminio.

Jogo de roquetes reversíveis mini

para chaves de caixa e bits (1/4 "). Em caixa de alumínio.





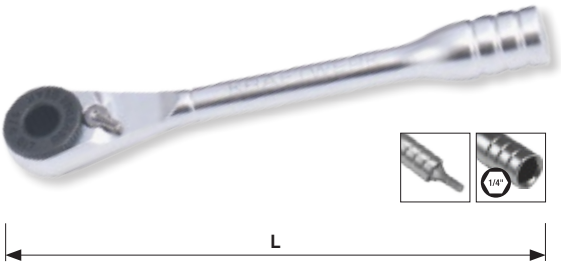
Art.	■ ○	○	L mm
4004RS	**1/4"**	52 / 60	95

Reversible mini ratchet handle
Mini carraca reversible
Roquete reversível mini

Art.	■ ○	○	L mm
4004R1	**1/4"**	60	95

Reversible mini bit ratchet handle
Mini carraca reversible
Roquete reversível mini de bits

Art.	○ ○	○	L mm
4004R2	**1/4"**	52	95



Heavy duty reversible ratchet handle
Carraca reversible para trabajo pesado
Roquete reversível para trabalhos pesados

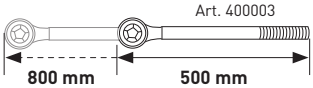
Art. 400002

DIN 3122 / ISO 3315

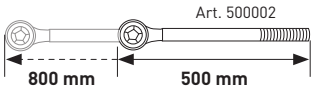
Art.	■		L mm
400002	3/4"		500
400003	3/4"	Telescope *Telescópico* Telescopico	500 - 800
400002E	3/4"	Repair kit / *Kit reparación* / Kit de reparação	–

Art. 400002E

Art. 400003



Extendable heavy duty reversible ratchet handle
Carraca reversible y extensible para trabajo pesado
Roquete reversível e extensível para trabalhos pesados



Art.	■		L mm
500002	1"		500 - 800
500002E	1"	Repair kit / *Kit reparación* / Kit de reparação	–

Art. 500002E

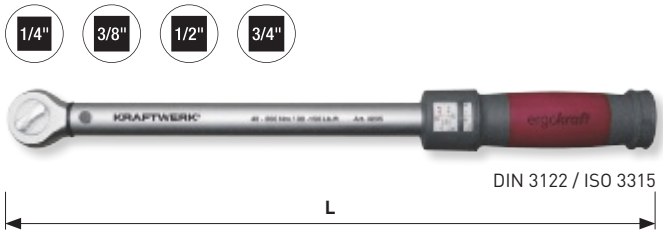
Pass through reversible ratchet handle
Carraca reversible pasante
Roquete manual de aperto reversível

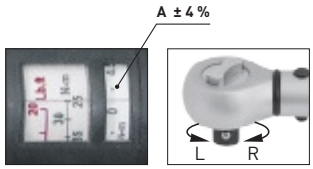
Art.	○	L mm
590000	13 mm	145
600000	20 mm	204
610000	30 mm	267

Click torque wrench
precise, with window scale for values in Nm and Lb.in.
Instant reversible 45 teeth ratchet head. Hardened steel casing and ergonomic 2-component handle with locking adjusting knob.
Certified precision: +/- 4 %.

Llave dinamométrica click
de precisión con ventana y valores en Nm y Lb.in.
*Carraca **reversible instantánea** 45 dientes. Carcasa en acero reforzado y mango ergonómico bimaterial con botón de ajuste.*
Precisión certificada: +/- 4 %.

Chave dinamométrica
de precisão com janela de escala para valores em Nm e Lb.in.
Reversível instantâneo com cabeça de 45 dentes em aço endurecido e punho ergonómico de 2 componentes com bloqueio ajustável. Precisão certificada: +/- 4 %.





Art.	■	< ~ >	A Nm	L mm
3231	**1/4"**	2.5 - 12 Nm 20 - 105 Lb.in	0.05	285
3232	**1/4"**	4 - 20 Nm 30 - 180 Lb.in	0.05	285
3233	**3/8"**	10 - 60 Nm 9 - 45 Lb.ft	0.125	383
3234	**3/8"**	25 - 125 Nm 20 - 90 Lb.ft	0.25	438
3235	**1/2"**	40 - 200 Nm 30 - 150 Lb.ft	0.5	463
3236	**1/2"**	65 - 335 Nm 50 - 250 Lb.ft	0.5	523
3237	**3/4"**	160 - 800 Nm 120 - 600 Lb.ft	2.0	1040

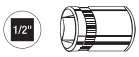
Repair kit
Kit reparación
Kit de reparação

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

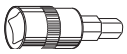
Art.	■	for / *para* / para
3232E	1/4"	Art. 3232
3233-34E	3/8"	Art. 3233, 3234
3235-36E	1/2"	Art. 3235, 3236
3237E	3/4"	Art. 3237

Reversible torque wrench case
with sockets and hexagonal bit-sockets
Estuche llave dinamométrica reversible
con vasos y vasos-punta hexagonal
Jogo de chave dinamométrica reversível
com chaves de caixa e chaves de caixa com bit sextavado interior

1/2" CrV 19 PCS



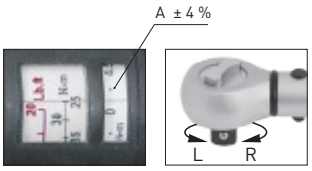
13 ○ 10-11-13-14-15-16-17
18-19-21-22-24-27 mm



5 ⬢ 6-8-10-12-14 mm

620 x 169 x 65 mm

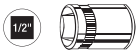
DIN 6789 / ISO 6789



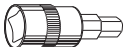
Art.	■	< ~ >
3235K1	**1/2"**	40 - 200 Nm 30 - 150 Lb.ft
3236K1	**1/2"**	65 - 335 Nm 50 - 250 Lb.ft

Reversible torque wrench case
with sockets, hexagonal bit-sockets and deep impact sockets
Estuche llave dinamométrica reversible
con vasos, vasos-punta hexagonal y vasos de impacto extra largos
Jogo de chave dinamométrica reversível
com chaves de caixa, chaves de caixa com bit sextavado interior
e chaves de caixa de impacto extra-longas

1/2" CrV 23 PCS



13 ○ 10-11-13-14-15-16-17
18-19-21-22-24-27 mm

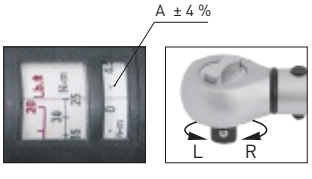


5 ⬢ 6-8-10-12-14 mm

4 ○ 17-19-21-22 mm
DIN 3129 / ISO 2725-2

620 x 169 x 65 mm

DIN 6789 / ISO 6789

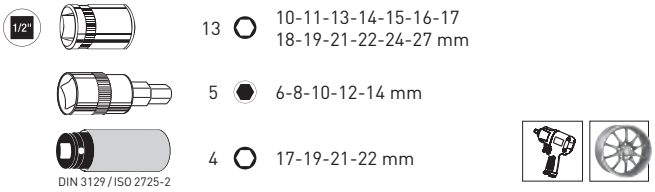


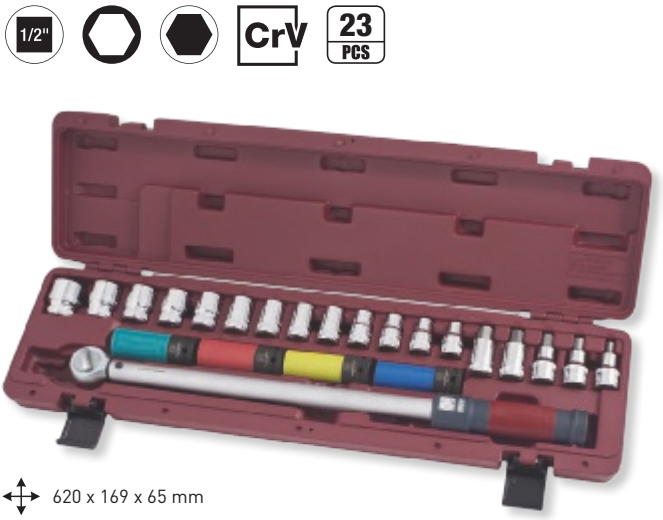
Art.	■	< ~ >
3235K2	**1/2"**	40 - 200 Nm 30 - 150 Lb.ft
3236K2	**1/2"**	65 - 335 Nm 50 - 250 Lb.ft

Reversible torque wrench case
with sockets, hexagonal bit-sockets and deep impact sockets with plastic sleeves for aluminium wheels

Estuche llave dinamométrica reversible
con vasos, vasos-punta hexagonal y vasos de impacto extra largos revestidos de protección plástica para llantas de aleación

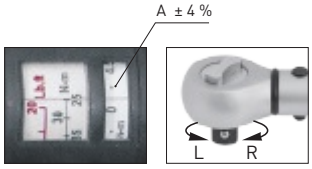
Jogo de chave dinamométrica reversível
com chaves de caixa, chaves de caixa com bit sextavado interior e chaves de caixa de impacto extra-longas revestidas de plástico para jantes alumínio





DIN 6789 / ISO 6789

Art.	■	< ~ >
3235K3	**1/2"**	40 - 200 Nm 30 - 150 Lb.ft
3236K3	**1/2"**	65 - 335 Nm 50 - 250 Lb.ft



Click torque bar
precise, with window scale for values in Nm and Lb.ft.
Rectangular drive for exchangeable wrench heads 14 x 18 mm.
Hardened steel casing and ergonomic 2-component handle with locking adjusting knob.
Certified precision: +/- 4 %.

Barra dinamométrica click
de precisión con ventana y valores en Nm y Lb.ft.
Unión rectangular para bocas de llaves 14 x 18 mm.
Carcasa en acero reforzado y mango ergonómico bimaterial con botón de ajuste.
Precisión certificada: +/- 4 %.

Barra dinamométrica
de precisão com janela de escala para valores em Nm e Lb.ft.
Encavadoura sextavada para chaves 14 x 18 mm.
Em aço endurecido e punho ergonómico de 2 componentes com bloqueio ajustável.
Precisão certificada: +/- 4 %

Art.	▭	< ~ >
3235H	14 x 18 mm	40 - 200 Nm 30 - 150 Lb.ft
3236H	14 x 18 mm	65 - 335 Nm 50 - 250 Lb.ft

Torque wrench case
with open end heads and reversible heavy duty ratchet head

Estuche llave dinamométrica
con bocas de llaves fijas y carraca reversible dentado fino

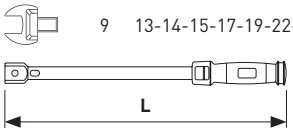
Jogo de chave dinamométrica
com chaves de boca e roquete reversível industrial

14x18 | 1/2" | CrV | 11 PCS

Art. 3235GK1

620 x 169 x 65 mm

DIN 6789 / ISO 6789



Art.	■ ■	for / *para* / para		< ~ >	L mm
3235GK1	14 x 18 mm 1/2"	24	reversible heavy duty ratchet head *carraca reversible industrial* roquete reversível industrial	40 - 200 Nm 30 - 150 Lb.ft	463
3236GK1	14 x 18 mm 1/2"	24	reversible heavy duty ratchet head *carraca reversible industrial* roquete reversível industrial	65 - 335 Nm 50 - 250 Lb.ft	523
3235GK2	14 x 18 mm 1/2"	72	reversible fine teeth ratchet head *carraca reversible dentado fino* roquete reversível de dentes finos	40 - 200 Nm 30 - 150 Lb.ft	463
3236GK2	14 x 18 mm 1/2"	72	reversible fine teeth ratchet head *carraca reversible dentado fino* roquete reversível de dentes finos	65 - 335 Nm 50 - 250 Lb.ft	523

Interchangeable open end head
for torque wrenches 3235H / 3236H

Boca intercambiable de llave fija
para llaves dinamométricas 3235H / 3236H

Chave de boca intercambiável
para chaves dinamométricas 3235H / 3236H

14x18 | CrV

Art.	■	
3235-G13	14 x 18 mm	**13 mm**
3235-G14	14 x 18 mm	**14 mm**
3235-G15	14 x 18 mm	**15 mm**
3235-G17	14 x 18 mm	**17 mm**
3235-G19	14 x 18 mm	**19 mm**
3235-G22	14 x 18 mm	**22 mm**
3235-G24	14 x 18 mm	**24 mm**
3235-G27	14 x 18 mm	**27 mm**
3235-G30	14 x 18 mm	**30 mm**

Torque wrench case
with ring end heads and reversible heavy duty ratchet head

Estuche llave dinamométrica
con bocas de llaves poligonales y carraca reversible industrial

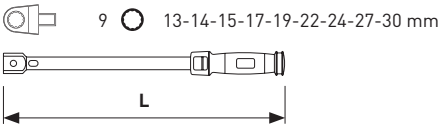
Jogo de chave dinamométrica
com chaves luneta e roquete reversível industrial

14x18 · 1/2" · CrV · 11 PCS

Art. 3235RK1

620 x 169 x 65 mm

DIN 6789 / ISO 6789



Art.	■ ■	for / *para* / para		< ~ >	L mm
3235RK1	14 x 18 mm 1/2"	24	reversible heavy duty ratchet head *carraca reversible industrial* roquete reversível industrial	40 - 200 Nm 30 - 150 Lb.ft	463
3236RK1	14 x 18 mm 1/2"	24	reversible heavy duty ratchet head *carraca reversible industrial* roquete reversível industrial	65 - 335 Nm 50 - 250 Lb.ft	523
3235RK2	14 x 18 mm 1/2"	72	reversible fine teeth ratchet head *carraca reversible dentado fino* roquete reversível de dentes finos	40 - 200 Nm 30 - 150 Lb.ft	463
3236RK2	14 x 18 mm 1/2"	72	reversible fine teeth ratchet head *carraca reversible dentado fino* roquete reversível de dentes finos	65 - 335 Nm 50 - 250 Lb.ft	523

Interchangeable ring end head
for torque wrenches 3235H / 3236H

Boca intercambiable de llave poligonal
para llaves dinamométricas 3235H / 3236H

Chave luneta intercambiável
para chaves dinamométricas 3235H / 3236H

14x18 · ○ · CrV

Art.	■	○
3235-R13	14 x 18 mm	**13 mm**
3235-R14	14 x 18 mm	**14 mm**
3235-R15	14 x 18 mm	**15 mm**
3235-R17	14 x 18 mm	**17 mm**
3235-R19	14 x 18 mm	**19 mm**
3235-R22	14 x 18 mm	**22 mm**
3235-R24	14 x 18 mm	**24 mm**
3235-R27	14 x 18 mm	**27 mm**
3235-R30	14 x 18 mm	**30 mm**

Reversible heavy duty ratchet head
for torque bars

Boca de carraca reversible industrial
para barras dinamométricas

Roquete reversível industrial
para barras dinamométricas

14x18 1/2"

Art.	○	■	■
3235-U12P	**24**	14 x 18 mm	1/2"

Reversible fine teeth ratchet head
for torque bars

Boca de carraca reversible dentado fino
para barras dinamométricas

Cabeça de roquete reversível de dentes finos
para barras dinamométricas

14x18 1/2"

Art.	○	■	■
3235-U12R	**72**	14 x 18 mm	1/2"

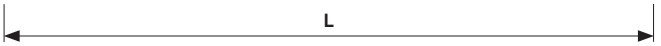
Torque wrench
with fine scale graduation in Nm and lbf-in. Hardened steel housing with integrated switch lever and freewheel function.

Llave dinamométrica
con graduación en Nm y lbf-in. Cuerpo de acero endurecido con mango de ajuste de una sola pieza y con función de rueda libre.

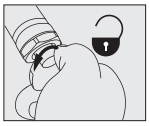
Chave Dinamométrica
com escala fina graduada em Nm e lbf-in. Corpo em aço reforçado e patilha integrada com função de rotação livre.

1/2"

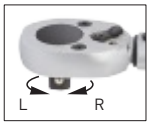
DIN ISO 6789



Art.	■	< ~ >	L mm
2045	1/2"	42 - 210 Nm 31 - 154.9 Lb.ft	450
2045E	1/2"	Repair kit *Kit reparación* Kit de reparação	



QUICKLOCK



Art. 2045E

Impact torque limiting extension bar set
for limiting the torque while using impact wrenches.

Set alargaderas limitadoras de par de impacto
para limitar el par al usarlo con las pistolas de impacto.

Conjunto de extensões de impacto limitadoras de binário
para limitação de binário durante a utilização de pistolas pneumáticas.

110 Nm - 80 Lb.ft
120 Nm - 90 Lb.ft
135 Nm - 100 Lb.ft
150 Nm - 110 Lb.ft

Art.	▢	■	L mm
387200	1/2"	1/2"	200

Canvas

Electronic torque-adapter

Can be used as a torque adapter with every drive element like e.g. conventional reversible ratchet handles.

- Automatic zero positionning at switching on
- Direct measuring indication or set point programming with a visual and acoustic warning at reaching or exceeding of the set point
- Track-/Peak-Mode
- Measuring accuracy: ±2 % tolerance
- 50 memories
- incl. batteries and test certificate DIN EN ISO 6789.

Adaptador dinamométrico electrónico

puede ser utilizado como adaptador de fuerza con todo tipo de elementos como por ejemplo las llaves convencionales de carraca reversibles.

- *Posicionamiento automático a cero al encender*
- *Indicador directo de medición o programación del punto de fuerza establecido con aviso visual y acústico al llegar o superar el mismo*
- *Modo pista/ punto máximo*
- *Precisión: +/- 2*
- *50 memorias*
- *Incluye pilas y certificado DIN EN ISO 6789.*

Adaptador electrónico torque

pode ser usado com qualquer roquete reversível ou rabo de força com quadra.

- Posição zero automática no botão ligar
- Indicação de medição direta ou programação do ponto de ajuste com aviso visual e acústico ao alcançar ou excedendo o ponto de ajuste
- Modo de procura
- Tolerância de erro ±2 %
- 50 memórias
- Inclui baterias e certificado de teste DIN EN ISO 6789.

1/4" 3/8" 1/2" 3/4" 2.09 digital

DIN EN ISO 6789

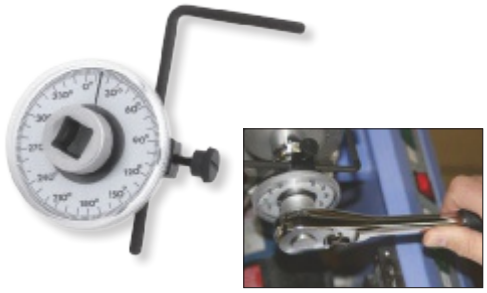
L - R

kg-m / kg-cm / lb-in / Lb.ft

Art.	■	< ~ > ± 2%	3V Li-Mn CR-2032	ⓗ	B x L x H mm
4081-14	**1/4"**	6 - 30 Nm 4.4 - 22.1 Lb.ft	1x	55 h	122 x 190 x 64 (BMC)
4081-38	**3/8"**	27 - 135 Nm 19.9 - 99.6 Lb.ft	1x	55 h	122 x 190 x 64 (BMC)
4081-12	**1/2"**	40 - 200 Nm 29.5 - 147.5 Lb.ft	1x	55 h	122 x 190 x 64 (BMC)
Art.	■	**< ~ > +/- 2%**	**1.5V LR6-AA**	ⓗ	**L x B x H mm**
4081-34	**3/4"**	100 - 500 Nm 73.8 - 369 Lb.ft	2x	110 h	156 x 110 x 80 (BMC)
4081-341	**3/4"**	200 - 1000 Nm 147.6 - 738 Lb.ft	2x	110 h	156 x 110 x 80 (BMC)

Torque angle gauge
Góniometro
Goniómetro

Art.	■
2037	1/2"



Torque angle gauge with magnet arm
Góniometro con imán
Goniómetro com braço magnético

Art.	■
2038.1	1/2"

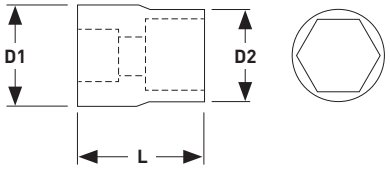
Torque angle gauge with clip arm
Góniometro con pinza
Goniómetro com braço de clip

Art.	■
2038.2	1/2"

Socket
Llave de vaso
Chave de caixa

Art.	▢	○ mm	D1 mm	D2 mm	L mm
100035	1/4"	**3.5**	11.8	6.1	25
100040	1/4"	**4**	11.8	6.7	25
100045	1/4"	**4.5**	11.8	7.3	25
100050	1/4"	**5**	11.8	8.0	25
100055	1/4"	**5.5**	11.8	8.6	25
100060	1/4"	**6**	11.8	9.2	25
100070	1/4"	**7**	11.8	10.7	25
100080	1/4"	**8**	11.8	11.8	25
100090	1/4"	**9**	13.0	13.0	25
100100	1/4"	**10**	14.3	14.3	25
100110	1/4"	**11**	15.8	15.8	25
100120	1/4"	**12**	16.8	16.8	25
100130	1/4"	**13**	17.8	17.8	25
100140	1/4"	**14**	19.8	19.8	25

DIN 3124 / ISO 2725-1

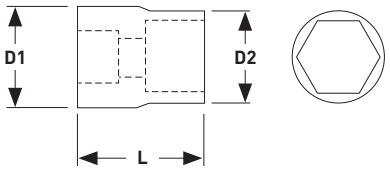


goes easy on screws and tool
protege los tornillos y el herramienta
protege parafusos e ferramentas

Inch socket
Llave de vaso pulgada
Chave de caixa polegada

Art.	▢	○ inch	D1 mm	D2 mm	L mm
100503	1/4"	**3/16"**	11.8	7.8	25
100504	1/4"	**7/32"**	11.8	8.5	25
100505	1/4"	**1/4"**	11.8	9.5	25
100506	1/4"	**9/32"**	11.8	10.7	25
100507	1/4"	**5/16"**	11.8	11.8	25
100508	1/4"	**11/32"**	13.0	13.0	25
100509	1/4"	**3/8"**	14.2	14.2	25
100510	1/4"	**7/16"**	15.7	15.7	25
100511	1/4"	**1/2"**	17.7	17.7	25

DIN 3124 / ISO 2725-1

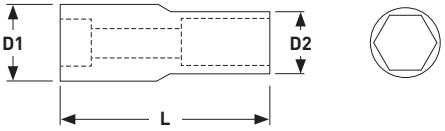


Deep socket
Llave de vaso largo
Chave de caixa longa

Art.	▢	○ mm	D1 mm	D2 mm	L mm
101040	1/4"	**4**	11.9	6.7	50
101045	1/4"	**4.5**	11.9	7.5	50
101050	1/4"	**5**	11.9	8.0	50
101055	1/4"	**5.5**	11.9	8.7	50
101060	1/4"	**6**	11.9	9.2	50
101070	1/4"	**7**	11.9	10.8	50
101080	1/4"	**8**	11.9	11.9	50
101090	1/4"	**9**	13.1	13.1	50
101100	1/4"	**10**	14.6	14.6	50
101110	1/4"	**11**	15.9	15.9	50
101120	1/4"	**12**	16.9	16.9	50
101130	1/4"	**13**	17.9	17.9	50

1/4"

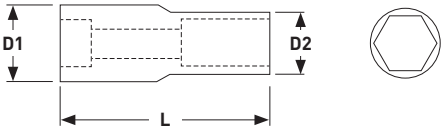
DIN 3124 / ISO 2725-1



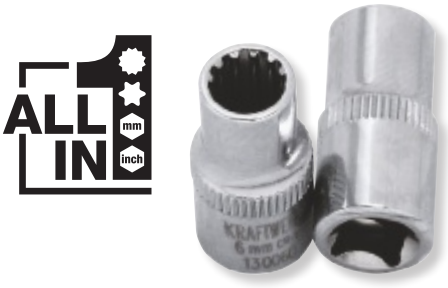
Deep inch socket
Llave de vaso largo pulgada
Chave de caixa longa polegada

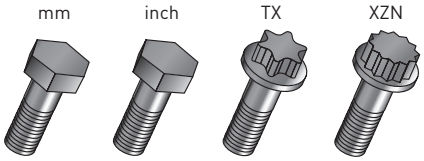
Art.	▢	○ inch	D1 mm	D2 mm	L mm
101503	1/4"	**3/16"**	11.9	7.9	50
101504	1/4"	**7/32"**	11.9	8.9	50
101505	1/4"	**1/4"**	11.9	9.9	50
101506	1/4"	**9/32"**	11.9	11.0	50
101507	1/4"	**5/16"**	11.9	11.9	50
101508	1/4"	**11/32"**	13.1	13.1	50
101509	1/4"	**3/8"**	14.6	14.6	50
101510	1/4"	**7/16"**	15.9	15.9	50
101511	1/4"	**1/2"**	17.9	17.9	50

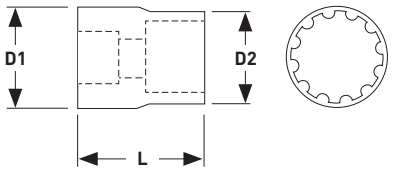
1/4" inch



Socket COMBI
Llave de vaso COMBI
Chave de caixa COMBI







Art.	▢	○ mm	○ inch	✪	○ XZN	D1 mm	D2 mm	L mm
130040	1/4"	**4**	**5/32"**	**E5**	**M5**	11.8	6.8	25
130045	1/4"	**4.5**	**3/16"**	**E6**		11.8	7.3	25
130050	1/4"	**5**	**3/16" 13/64"**		**M6**	11.8	7.9	25
130055	1/4"	**5.5**	**7/32"**	**E7**		11.8	8.7	25
130060	1/4"	**6**	**1/4"**	**E8**	**M8**	11.8	9.3	25
130070	1/4"	**7**	**9/32"**			11.8	10.6	25
130080	1/4"	**8**	**5/16"**	**E10**	**M10**	11.8	12.8	25
130090	1/4"	**9**	**11/32"**			11.8	12.8	25
130100	1/4"	**10**	**3/8"**	**E12**	**M12**	13.8	15.8	25
130110	1/4"	**11**	**7/16"**	**E14**	**M14**	13.8	15.8	25
130120	1/4"	**12**	**15/32"**	**E16**		14.8	16.8	25
130130	1/4"	**13**	**1/2"**		**M16**	15.8	17.8	25
130140	1/4"	**14**	**9/16"**	**E18**	**M18**	17.8	19.8	25

Pass through socket

enables the fastening and unfastening jobs with long bolt and threaded rods

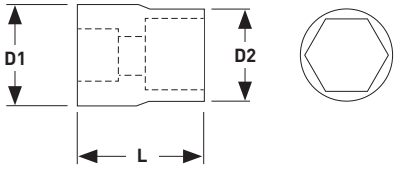
Llave de vaso pasante

Permite la entrada en un espárrago largo para el apriete/desapriete de tuercas

Chave de caixa de aperto

permite o aperto e o desaperto de parafusos longos e de varão roscado

13 mm

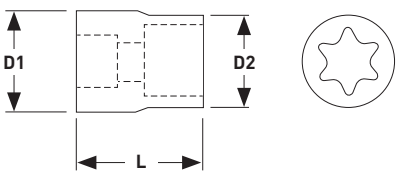


Art.	mm	mm	D1 mm	D2 mm	L mm
590035	13	**3.5**	13	5.4	25
590040	13	**4**	13	6.0	25
590045	13	**4.5**	13	6.6	25
590050	13	**5**	13	7.1	25
590055	13	**5.5**	13	8.2	25
590060	13	**6**	13	9.3	25
590070	13	**7**	13	10.0	25
590080	13	**8**	13	11.5	25
590090	13	**9**	13	12.5	25
590100	13	**10**	13	14.2	25
590110	13	**11**	13	15.3	25
590120	13	**12**	13	16.5	25
590130	13	**13**	13	17.4	25

External TX-socket

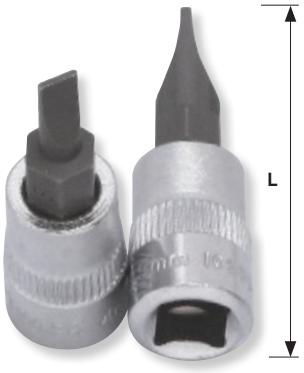
Llave de vaso TX exterior

Chave de caixa TX exterior



Art.			D1 mm	D2 mm	L mm
120004	1/4"	**E4**	11.9	7.2	25
120005	1/4"	**E5**	11.9	8.0	25
120006	1/4"	**E6**	11.9	8.0	25
120007	1/4"	**E7**	11.9	8.9	25
120008	1/4"	**E8**	11.9	10.3	25
120010	1/4"	**E10**	12.7	12.7	25
120011	1/4"	**E11**	14.1	14.1	25

Slotted bit-socket
Llave de vaso punta ranurada
Chave de caixa com bit fenda

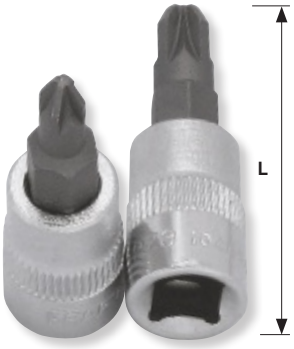


Art.	▢	mm	L mm
102040	1/4"	0.5 x 4.0	38
102055	1/4"	0.8 x 5.5	38
102065	1/4"	1.0 x 6.5	38

Phillips bit-socket
Llave de vaso punta Phillips
Chave de caixa com bit Phillips

Art.	▢	✚	L mm
103001	1/4"	PH 1	38
103002	1/4"	PH 2	38
103003	1/4"	PH 3	38

Pozidriv bit-socket
Llave de vaso punta Pozidriv
Chave de caixa com bit Pozidriv



Art.	▢	✚	L mm
104000	1/4"	PZ 0	38
104001	1/4"	PZ 1	38
104002	1/4"	PZ 2	38
104003	1/4"	PZ 3	38

TX bit-socket
Llave de vaso punta TX
Chave de caixa com bit TX

Art.	▢	✶	L mm
105008	1/4"	T8	38
105010	1/4"	T10	38
105015	1/4"	T15	38
105020	1/4"	T20	38
105025	1/4"	T25	38
105027	1/4"	T27	38
105030	1/4"	T30	38
105040	1/4"	T40	38

5-star TX bit-socket
Llave de vaso punta TX 5 puntas
Chave de caixa com bit TX 5 pontas

Art.	▢	★	L mm
115008	1/4"	**TS 8**	38
115009	1/4"	**TS 9**	38
115010	1/4"	**TS 10**	38
115015	1/4"	**TS 15**	38
115020	1/4"	**TS 20**	38
115025	1/4"	**TS 25**	38
115027	1/4"	**TS 27**	38
115030	1/4"	**TS 30**	38
115040	1/4"	**TS 40**	38

5-Star tamper TX bit-socket
Llave de vaso punta TX seguridad de 5 puntas
Chave de caixa com bit tamper TX 5 pontas

Art.	▢	✿	L mm
115308	1/4"	**TS 8**	38
115309	1/4"	**TS 9**	38
115310	1/4"	**TS 10**	38
115315	1/4"	**TS 15**	38
115320	1/4"	**TS 20**	38
115325	1/4"	**TS 25**	38
115327	1/4"	**TS 27**	38
115330	1/4"	**TS 30**	38
115340	1/4"	**TS 40**	38

Hexagonal bit-socket
Llave de vaso punta hexagonal
Chave de caixa com bit sextavada

Art.	▢	⬢ mm	L mm
106003	1/4"	**3**	38
106004	1/4"	**4**	38
106005	1/4"	**5**	38
106006	1/4"	**6**	38
106007	1/4"	**7**	38
106008	1/4"	**8**	38

Hexagonal inch bit-socket
Llave de vaso punta hexagonal pulgada
Chave de caixa com bit sextavada polegada

1/4" | inch | S2 quality

Art.	▢	⬢ inch	L mm
106501	1/4"	**1/8"**	38
106502	1/4"	**5/32"**	38
106503	1/4"	**3/16"**	38
106504	1/4"	**7/32"**	38
106505	1/4"	**1/4"**	38

Extension bar
Alargadera
Extensão

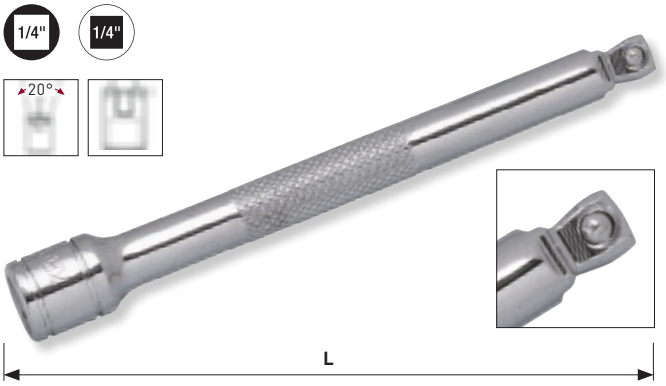
1/4" | 1/4"

Art.	▢	■	L mm
107050	1/4"	1/4"	**50**
107100	1/4"	1/4"	**100**

Duplex wobble extension bar
Alargadera de punta angular duplex
Extensão com ponta angular duplex

1/4" | 1/4"

Art.	▢	■	L mm
107101	1/4"	1/4"	**100**
107151	1/4"	1/4"	**150**

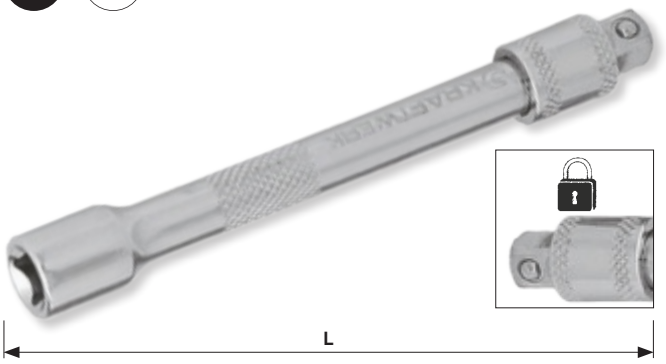


Locking extension bar
Alargadera bloqueo
Extensão com fecho

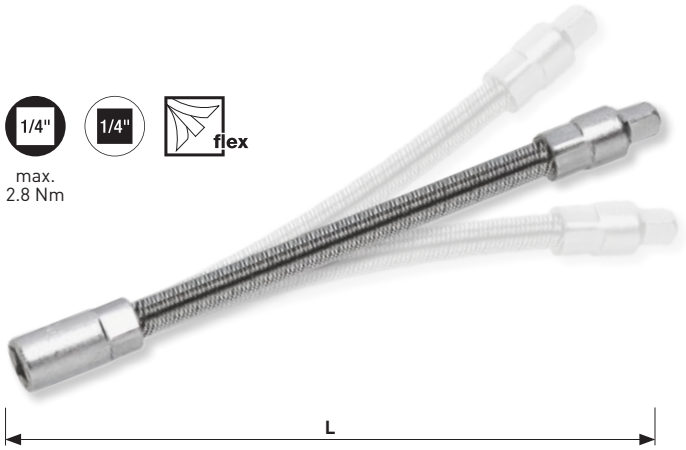
1/4" | 1/4"

Art.123002
Set / *Juego* / Jogo
204

Art.	▢	■	L mm
107102	1/4"	1/4"	**100**

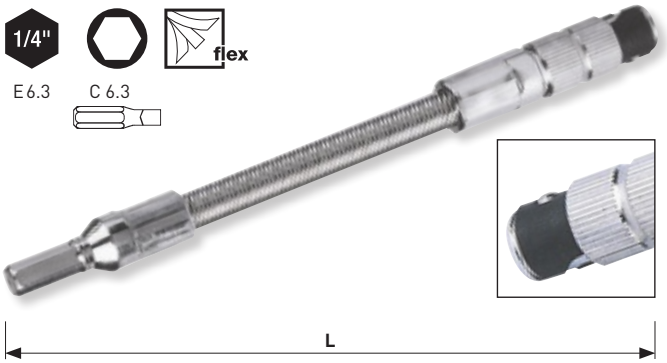


Flexible extension bar
Alargadera flexible
Extensão flexível



Art.	▢	■	L mm
107155	1/4"	1/4"	**146**

Flexible extension bar for bits
Alargadera flexible para puntas
Extensão flexível para bits

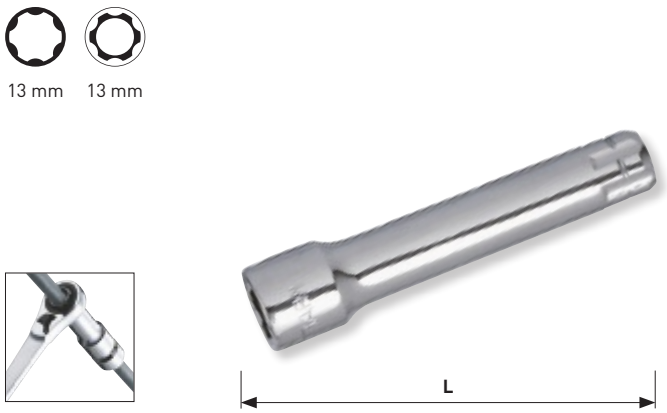


Art.	⬢	○	L mm
107140	1/4"	1/4"	**140**

Pass through extension bar
enables the fastening and unfastening jobs with long bolt and threaded rods

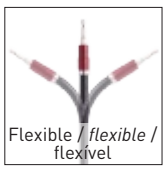
Alargadera pasante
permite la entrada en un espárrago largo para el apriete/ desapriete de tuercas

Extensão de aperto
permite o aperto e o desaperto de parafusos longos e de varão roscado



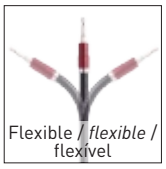
Art.	▢	○ mm	L mm
597075	13	13	**75**

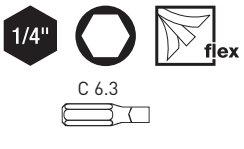
Heavy duty flexible extension socket holder
Alargadera flexible industrial para llaves de vaso
Extensão flexível de alta resistência com adaptador para chaves



Art.	■	⬢	L mm
107330	1/4"	1/4"	**≈ 330**

Heavy duty flexible extension bit holder
Alargadera flexible industrial para puntas
Extensão flexível de alta resistência com adaptador para bits





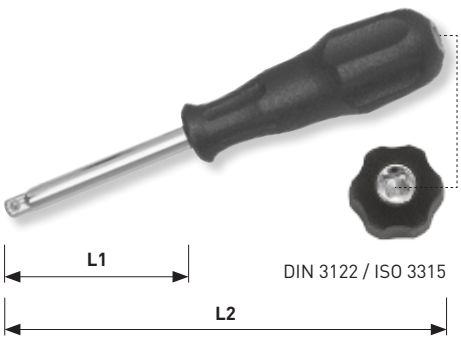
Art.	⬢	⬣	L mm
107331	1/4"	1/4"	**330**

Flexible socket driver handle
Vaso con mango, flexible
Chave de punho flexível

Art.	○ mm	L1 mm	L2 mm
109060	**6**	158	270
109070	**7**	158	270
109080	**8**	158	270
109090	**9**	158	292
109100	**10**	176	292
109110	**11**	176	292

Spinner handle
with 1/4" square drive in end of handle
Mango atornillador
con cuadradillo interior 1/4" en el extremo del mango
Extensão com punho
com quadrado interior 1/4 "no final pega

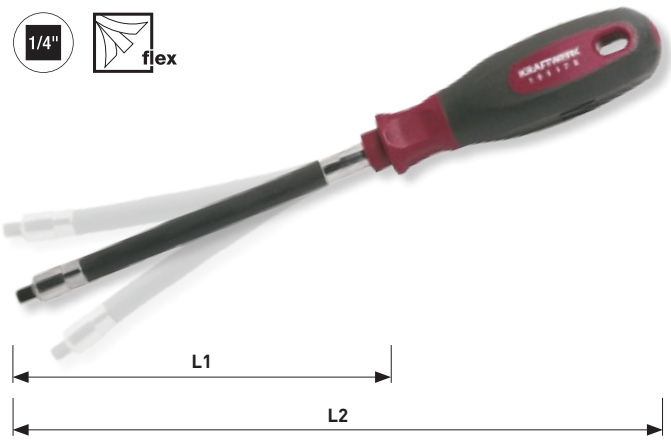
Art.	○	■	L1 mm	L2 mm
109150	1/4"	1/4"	70	155



Bi-material spinner handle
with 1/4" square drive in end of handle
Mango atornillador bimaterial
con cuadradillo interior 1/4" en el extremo del mango
Extensão com punho bimaterial
com quadrado interior 1/4" na extremidade do punho

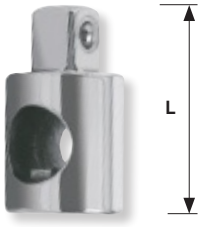
Art.	○	■	L1 mm	L2 mm
109151	1/4"	1/4"	51	153

Bi-material flexible spinner handle
Mango atornillador flexible bimaterial
Chave de punho flexível bimaterial



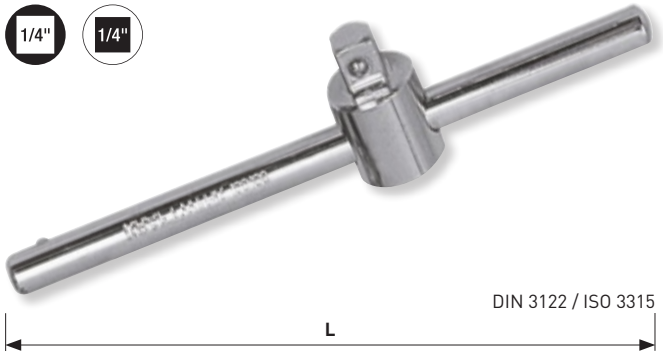
Art.	■	L1 mm	L2 mm
109175	1/4"	158	270

3-way t-bar-adapter
Adaptador para barra deslizante T
Adaptador de 3 vias para rabo de força



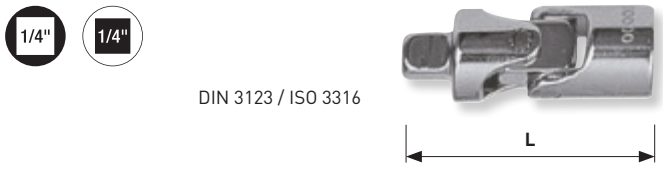
Art.	▢	■	L mm
108000	1/4"	1/4"	22

Sliding t-bar
Barra deslizante T
Cabo corrediço



Art.	▢	■	L mm
108100	1/4"	1/4"	105

Universal joint
Articulación universal
Cardan



Art.	▢	■	L mm
110000	1/4"	1/4"	35

Quick locking universal joint
Articulación universal con bloqueo rápido
Cardan bloqueio com fecho rápido

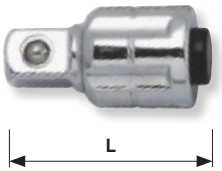
Art.	▢	■	L mm
123102-14	1/4"	1/4"	55

1/4" 1/4"

Set / *Juego* / Jogo Art.123102 205

Socket-adapter
for pass through reversible ratchet handle 590000
Adaptador llaves de vaso
para carraca reversible pasante 590000
Adaptador chaves de caixa
para roquete manual de aperto reversível 590000

13 mm 1/4"



Art.	⬡ mm	■	L mm
591140	13	1/4"	25

Bit-adapter
for pass through reversible ratchet handle 590000
Adaptador porta punta
para carraca reversible pasante 590000
Adaptador de bit
para roquete manual de aperto reversível 590000

13 mm 1/4" D 6.3 / 1/4"

Art.	⬡ mm	○	L mm
592760	13	1/4"	22

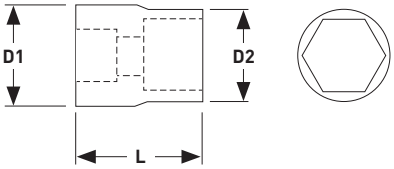
Coupler for bits
Adaptador para puntas
Adaptador para bits

1/4" 1/4" D 6.3 / 1/4"

Art.	▢	○	L mm
2760	1/4"	1/4"	25

Socket
Llave de vaso
Chave de caixa

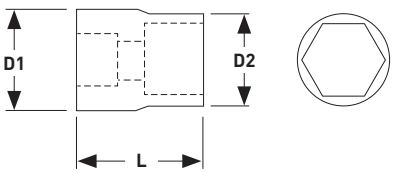
DIN 3124 / ISO 2725-1



Art.	⬡	⬡ mm	D1 mm	D2 mm	L mm
200060	3/8"	**6**	17.0	9.3	25
200070	3/8"	**7**	17.0	10.8	25
200080	3/8"	**8**	17.0	12.0	25
200090	3/8"	**9**	17.0	12.9	25
200100	3/8"	**10**	17.0	14.5	25
200110	3/8"	**11**	17.0	15.8	25
200120	3/8"	**12**	17.0	17.0	25
200130	3/8"	**13**	18.9	18.9	25
200140	3/8"	**14**	19.5	19.5	25
200150	3/8"	**15**	20.8	20.8	25
200160	3/8"	**16**	22.0	22.0	25
200170	3/8"	**17**	23.3	23.3	25
200180	3/8"	**18**	24.0	24.0	25
200190	3/8"	**19**	24.0	25.8	26
200200	3/8"	**20**	24.0	27.7	29
200210	3/8"	**21**	25.0	27.9	29
200220	3/8"	**22**	26.0	29.5	32
200240	3/8"	**24**	26.0	31.9	32

goes easy on screws and tool
protege los tornillos y el herramienta
protege parafusos e ferramentas

Inch socket
Llave de vaso pulgada
Chave de caixa polegada

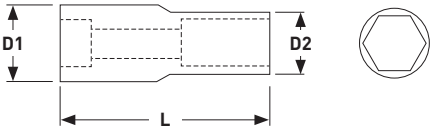


Art.	⬡	⬡ inch	D1 mm	D2 mm	L mm
200505	3/8"	**1/4"**	17.2	10.0	25
200507	3/8"	**5/16"**	17.2	11.7	25
200509	3/8"	**3/8"**	17.2	13.8	25
200510	3/8"	**7/16"**	17.2	16.0	25
200511	3/8"	**1/2"**	17.9	17.9	25
200512	3/8"	**9/16"**	19.7	19.7	25
200513	3/8"	**5/8"**	22.2	22.2	25
200514	3/8"	**11/16"**	23.9	23.9	25
200515	3/8"	**3/4"**	25.9	25.9	25
200516	3/8"	**13/16"**	27.9	27.9	29
200517	3/8"	**7/8"**	29.7	29.7	29
200518	3/8"	**15/16"**	31.9	31.9	29
200519	3/8"	**1"**	33.9	33.9	29

Deep socket
Llave de vaso largo
Chave de caixa longa

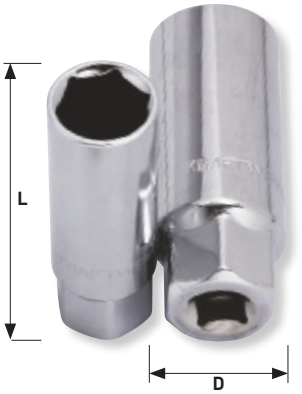
Art.	▢	○ mm	D1 mm	D2 mm	L mm
201080	3/8"	**8**	16.8	12.0	64
201100	3/8"	**10**	16.8	14.4	64
201110	3/8"	**11**	16.8	15.9	64
201120	3/8"	**12**	16.8	16.8	64
201130	3/8"	**13**	18.8	18.8	64
201140	3/8"	**14**	19.8	19.8	64
201150	3/8"	**15**	20.4	20.4	64
201170	3/8"	**17**	23.8	23.8	64
201180	3/8"	**18**	23.8	23.8	64
201190	3/8"	**19**	26.0	26.0	64
201220	3/8"	**22**	29.5	29.5	64

DIN 3124 / ISO 2725-1



Spark plug socket
Llave de vaso bujías
Chave de caixa velas

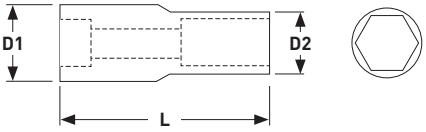
AUTOMOTIVE



Art.	▢	○ mm	D mm	L mm
201114	3/8"	**14**	18	64
201160	3/8"	**16**	22	64
201118	3/8"	**18**	23.8	64
201210	3/8"	**21**	27.3	64

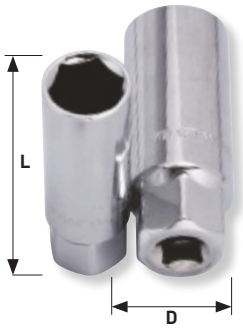
Deep inch socket
Llave de vaso largo pulgada
Chave de caixa longa polegada

Art.	▢	○ inch	D1 mm	D2 mm	L mm
201509	3/8"	**3/8"**	16.8	14.4	64
201510	3/8"	**7/16"**	16.8	16.0	64
201511	3/8"	**1/2"**	17.8	17.8	64
201512	3/8"	**9/16"**	19.8	19.8	64
201514	3/8"	**11/16"**	23.8	23.8	64
201515	3/8"	**3/4"**	25.8	25.8	64
201517	3/8"	**7/8"**	29.8	29.8	64



Inch spark plug socket
Llave de vaso bujías pulgada
Chave de caixa velas polegada

Art.	▢	○ inch	D mm	L mm
201513	3/8"	**5/8"**	22.0	64
201516	3/8"	**13/16"**	27.2	70



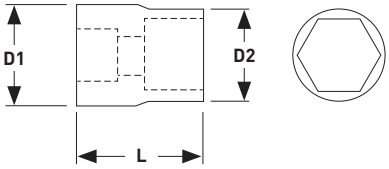
20 mm

Pass through socket
enables the fastening and unfastening jobs with long bolt and threaded rods.

Llave de vaso pasante
permite la entrada en un espárrago largo para el apriete/desapriete de tuercas.

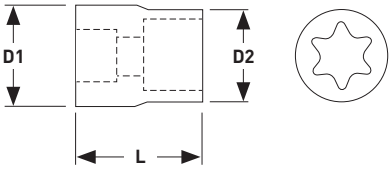
Chave de caixa de aperto
permite o aperto e o desaperto de parafusos longos e de varão roscado.

Art.	○ mm	● mm	D1 mm	D2 mm	L mm
600100	20	**10**	20	14.6	32
600110	20	**11**	20	15.3	32
600120	20	**12**	20	16.6	32
600130	20	**13**	20	17.7	32
600140	20	**14**	20	18.8	32
600150	20	**15**	20	20.0	32
600160	20	**16**	20	21.2	32
600170	20	**17**	20	22.5	32
600180	20	**18**	20	23.6	32
600190	20	**19**	20	24.4	32



External TX-socket
Llave de vaso TX exterior
Chave de caixa TX exterior

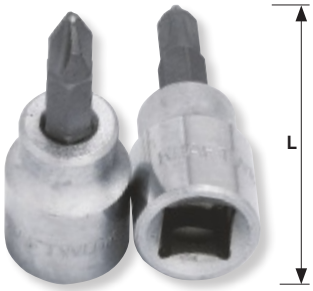
Art.	▢	✪	D1 mm	D2 mm	L mm
220004	3/8"	**E4**	16.8	7.1	26
220005	3/8"	**E5**	16.8	8.0	26
220006	3/8"	**E6**	16.8	8.0	26
220007	3/8"	**E7**	16.8	9.0	26
220008	3/8"	**E8**	16.8	10.5	26
220010	3/8"	**E10**	16.8	13.0	26
220011	3/8"	**E11**	16.8	14.0	26
220012	3/8"	**E12**	16.8	15.5	26
220014	3/8"	**E14**	18.9	18.9	28
220016	3/8"	**E16**	18.9	18.9	28
220018	3/8"	**E18**	19.8	19.8	28
220020	3/8"	**E20**	21.8	21.8	30



Slotted bit-socket
Llave de vaso punta ranurada
Chave de caixa com bit fenda

Art.	▢	mm	L mm
202055	3/8"	0.8 x 5.5	48
202065	3/8"	1.0 x 6.5	48
202080	3/8"	1.6 x 8.0	48

Phillips bit-socket
Llave de vaso punta Phillips
Chave de caixa com bit Phillips



Art.	▢	✚	L mm
203001	3/8"	PH 1	48
203002	3/8"	PH 2	48
203003	3/8"	PH 3	48

Pozidriv bit-socket
Llave de vaso punta Pozidriv
Chave de caixa com bit Pozidriv

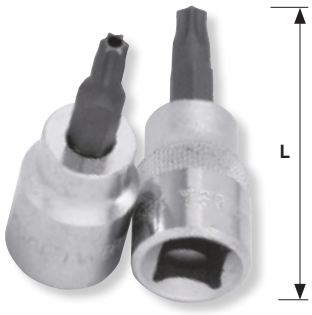
Art.	▢	✚	L mm
204001	3/8"	PZ 1	48
204002	3/8"	PZ 2	48
204003	3/8"	PZ 3	48

TX bit-socket
Llave de vaso punta TX
Chave de caixa com bit TX

Art.	▢	✶	L mm
205010	3/8"	T10	48
205015	3/8"	T15	48
205020	3/8"	T20	48
205025	3/8"	T25	48
205027	3/8"	T27	48
205030	3/8"	T30	48
205040	3/8"	T40	48
205045	3/8"	T45	48
205050	3/8"	T50	48
205055	3/8"	T55	48
205060	3/8"	T60	48

Tamper TX bit-socket
Llave de vaso punta TX seguridad
Chave de caixa com bit tamper TX

Art.	▢	✿	L mm
205310	3/8"	**T10**	48
205315	3/8"	**T15**	48
205320	3/8"	**T20**	48
205325	3/8"	**T25**	48
205327	3/8"	**T27**	48
205330	3/8"	**T30**	48
205340	3/8"	**T40**	48
205345	3/8"	**T45**	48
205350	3/8"	**T50**	48
205355	3/8"	**T55**	48
205360	3/8"	**T60**	48



Hexagonal bit-socket
Llave de vaso punta hexagonal
Chave de caixa com bit sextavada

Art.	▢	⬢ mm	L mm
206003	3/8"	**3**	48
206004	3/8"	**4**	48
206005	3/8"	**5**	48
206006	3/8"	**6**	48
206007	3/8"	**7**	48
206008	3/8"	**8**	48
206010	3/8"	**10**	48

Hexagonal inch bit-socket
Llave de vaso punta hexagonal pulgada
Chave de caixa com bit sextavada polegada

Art.	▢	⬢ inch	L mm
206501	3/8"	**1/8"**	48
206502	3/8"	**5/32"**	48
206503	3/8"	**3/16"**	48
206504	3/8"	**7/32"**	48
206505	3/8"	**1/4"**	48
206507	3/8"	**5/16"**	48
206509	3/8"	**3/8"**	48

Extension bar
Alargadera
Extensão

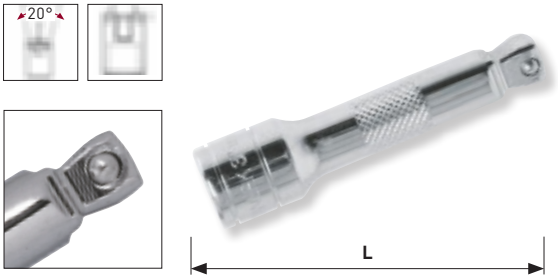
3/8" 3/8"

Art.	▢	■	L mm
207075	3/8"	3/8"	**75**
207150	3/8"	3/8"	**150**
207250	3/8"	3/8"	**250**

Duplex wobble extension bar
Alargadera de punta angular duplex
Extensão com ponta angular duplex

3/8" 3/8"

Art.	▢	■	L mm
207076	3/8"	3/8"	**75**
207151	3/8"	3/8"	**150**
207251	3/8"	3/8"	**250**

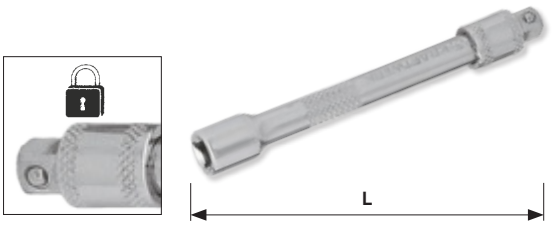


Locking extension bar
Alargadera bloqueo
Extensão com fecho

3/8" 3/8"

Set / *Juego* / Jogo — Art.123002 — 204

Art.	▢	■	L mm
207152	3/8"	3/8"	**150**
207252	3/8"	3/8"	**250**



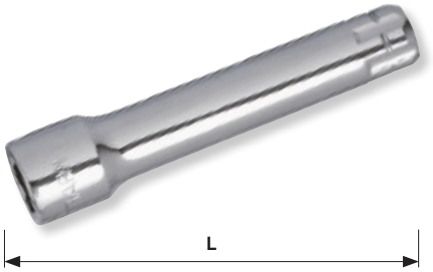
Pass through extension bar
enables the fastening and unfastening jobs with long bolt and threaded rods.

Alargadera pasante
permite la entrada en un espárrago largo para el apriete/ desapriete de tuercas.

Extensão de aperto
permite o aperto e o desaperto de parafusos longos e de varão roscado.

20 mm 20 mm

Art.	⬡ mm	⬡ mm	L mm
607075	20	20	**75**



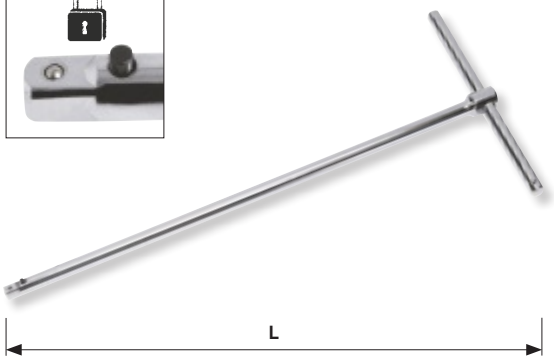
3-way t-bar-adapter
Adaptador para barra deslizante T
Adaptador de 3 vias para rabo de força

1/2" 3/8"

Art.	▢	■	L mm
208000	1/2"	3/8"	22

Locking t-bar
Barra T con bloqueo
Extensão em T com fecho

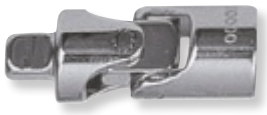
3/8"



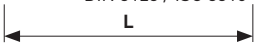
Art.	■	L mm
212650	3/8"	650

Universal joint
Articulación universal
Cardan

3/8" 3/8"



DIN 3123 / ISO 3316

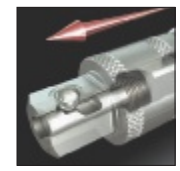


Art.	▢	■	L mm
210000	3/8"	3/8"	50

Quick locking universal joint
Articulación universal con bloqueo rápido
Cardan bloqueio com fecho rápido

3/8" 3/8"

Set / *Juego* / Jogo Art.123102 205



Art.	▢	■	L mm
123102-38	3/8"	3/8"	79

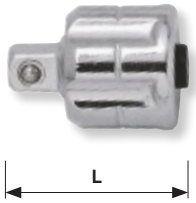
Socket adapter
Adaptador reductor para llaves de vaso
Adaptador reductor para chaves de caixa

DIN 3123 / ISO 3316

Art.	▢	■	L mm
213814	3/8"	1/4"	26

Socket-adapter
for pass through reversible ratchet handle 600000
Adaptador llaves de vaso
para carraca reversible pasante 600000
Adaptador chaves de caixa
para roquete manual de aperto reversível 600000

20 mm



Art.	⬡	■	L mm
611140	20 mm	**1/4"**	28
611380	20 mm	**3/8"**	28

Coupler for bits
Adaptador para puntas
Adaptador para bits

D 6.3 / 1/4"

Art.	▢	○	L mm
2761	3/8"	1/4"	25

Coupler for bits
Adaptador para puntas
Adaptador para bits

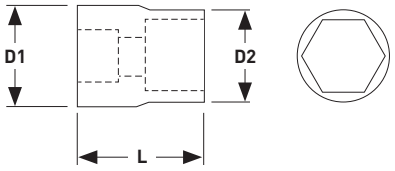
5/16"

Art.	▢	○	L mm
211516	3/8"	5/16"	29

Socket
Llave de vaso
Chave de caixa

Art.	▢	⬡ mm	D1 mm	D2 mm	L mm
300080	1/2"	**8**	22.2	13.3	38
300100	1/2"	**10**	22.2	15.3	38
300110	1/2"	**11**	22.2	16.5	38
300120	1/2"	**12**	22.2	17.8	38
300130	1/2"	**13**	22.2	19.0	38
300140	1/2"	**14**	22.2	20.3	38
300150	1/2"	**15**	22.2	21.8	38
300160	1/2"	**16**	22.2	22.2	38
300170	1/2"	**17**	23.9	23.9	38
300180	1/2"	**18**	24.9	24.9	38
300190	1/2"	**19**	24.1	25.9	38
300200	1/2"	**20**	24.1	27.8	38
300210	1/2"	**21**	24.3	27.9	38
300220	1/2"	**22**	26.5	29.9	38
300240	1/2"	**24**	26.5	31.9	38
300270	1/2"	**27**	29.3	35.9	40
300300	1/2"	**30**	33.4	39.9	43
300320	1/2"	**32**	34.4	41.9	43
300340	1/2"	**34**	35.2	43.8	43

DIN 3124 / ISO 2725-1

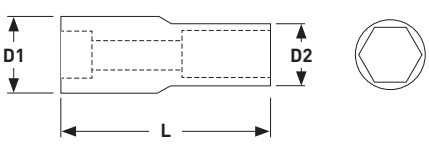


goes easy on screws and tool
protege los tornillos y el herramienta
protege parafusos e ferramentas

Deep socket
Llave de vaso largo
Chave de caixa longa

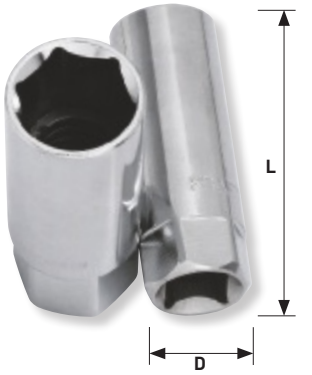
Art.	▢	⬡ mm	D1 mm	D2 mm	L mm
301100	1/2"	**10**	22.0	15.3	77
301110	1/2"	**11**	22.0	16.5	77
301116	1/2"	**16**	22.0	22.0	77
301120	1/2"	**12**	22.0	17.8	77
301130	1/2"	**13**	22.0	19.0	77
301140	1/2"	**14**	22.0	20.3	77
301150	1/2"	**15**	22.0	22.0	77
301170	1/2"	**17**	23.8	23.8	77
301180	1/2"	**18**	25.8	25.8	77
301190	1/2"	**19**	25.8	25.8	77
301220	1/2"	**22**	29.8	29.8	77

DIN 3124 / ISO 2725-1



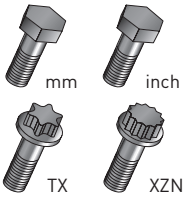
AUTOMOTIVE

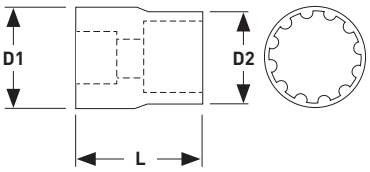
Spark plug socket
Llave de vaso bujías
Chave de caixa velas



Art.		mm	D mm	L mm
301160	1/2"	**16**	22.8	64.0
301210	1/2"	**21**	27.8	70.0

Socket COMBI
Llave de vaso COMBI
Chave de caixa COMBI





Art.		mm	inch		XZN	D1 mm	D2 mm	L mm
330100	1/2"	**10**	**3/8"**	**E12**	**M12**	21.7	15.5	38
330110	1/2"	**11**	**7/16"**	**E14**	**M14**	21.7	16.5	38
330120	1/2"	**12**	**15/32"**	**E16**		21.7	17.7	38
330130	1/2"	**13**	**1/2"**		**M16**	21.7	19.0	38
330140	1/2"	**14**	**9/16"**	**E18**	**M18**	21.9	19.9	38
330150	1/2"	**15**	**19/32"**			20.9	21.8	38
330160	1/2"	**16**	**5/8"**	**E20**		21.8	23.8	38
330170	1/2"	**17**				21.8	23.8	38
330180	1/2"	**18**		**E22**		23.9	25.6	38
330190	1/2"	**19**	**3/4"**	**E24**		23.9	25.8	38
330200	1/2"	**20**	**25/32"**			26.0	27.8	38
330210	1/2"	**21**				26.0	29.0	38
330220	1/2"	**22**	**7/8"**			26.0	30.0	38
330240	1/2"	**24**	**15/16"**			28.0	32.0	38
330270	1/2"	**27**	**1 1/16"**			30.8	35.6	42
330300	1/2"	**30**	**1 1/18"**			33.8	39.7	44
330320	1/2"	**32**	**1 1/4"**			36.0	41.8	44

Impact socket
Llave de vaso de impacto
Chave de caixa impacto

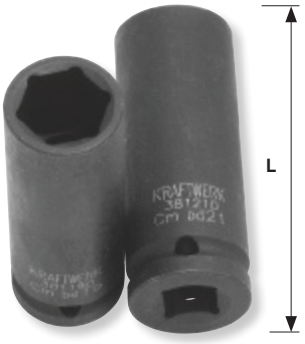
Art.	▢	○ mm	L mm
380080	1/2"	**8**	38
380090	1/2"	**9**	38
380100	1/2"	**10**	38
380110	1/2"	**11**	38
380120	1/2"	**12**	38
380130	1/2"	**13**	38
380140	1/2"	**14**	38
380150	1/2"	**15**	38
380160	1/2"	**16**	38
380170	1/2"	**17**	38
380180	1/2"	**18**	38
380190	1/2"	**19**	38
380200	1/2"	**20**	38
380210	1/2"	**21**	38
380220	1/2"	**22**	38
380230	1/2"	**23**	38
380240	1/2"	**24**	38
380270	1/2"	**27**	38
380300	1/2"	**30**	38
380320	1/2"	**32**	38

DIN 3129 / ISO 2725-2

Deep impact socket
Llave de vaso largo de impacto
Chave de caixa impacto longa

Art.	▢	○ mm	L mm
381080	1/2"	**8**	78
381090	1/2"	**9**	78
381100	1/2"	**10**	78
381110	1/2"	**11**	78
381120	1/2"	**12**	78
381130	1/2"	**13**	78
381140	1/2"	**14**	78
381150	1/2"	**15**	78
381160	1/2"	**16**	78
381170	1/2"	**17**	78
381180	1/2"	**18**	78
381190	1/2"	**19**	78
381200	1/2"	**20**	78
381210	1/2"	**21**	78
381220	1/2"	**22**	78
381230	1/2"	**23**	78
381240	1/2"	**24**	78
381270	1/2"	**27**	78
381300	1/2"	**30**	78
381320	1/2"	**32**	78

DIN 3129 / ISO 2725-2



Deep impact socket
with plastic insert to protect the wheel nuts and plastic sleeve for aluminium rims.

Llave de vaso largo de impacto
con plástico para proteger las tuercas de rueda y recubrimiento plástico para llantas en aluminio.

Chave de caixa impacto longa
com protecção plástica para proteger as porcas das rodas e manga plástica para as jantes de alumínio.

AUTOMOTIVE

Art.	▢	○ mm	colour	L mm
381150-0	1/2"	**15**		85
381170-0	1/2"	**17**		85
381190-0	1/2"	**19**		85
381210-0	1/2"	**21**		85
381220-0	1/2"	**22**		85
381240-0	1/2"	**24**		85

DIN 3129 / ISO 2725-2

Pass through socket

enables the fastening and unfastening jobs with long bolt and threaded rods.

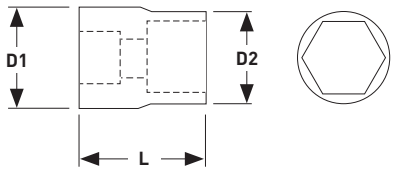
Llave de vaso pasante

permite la entrada en un espárrago largo para el apriete/ desapriete de tuercas.

Chave de caixa de aperto

permite o aperto e o desaperto de parafusos longos e de varão roscado.

30 mm

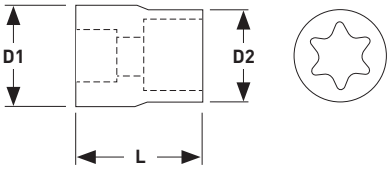


Art.	mm	mm	D1 mm	D2 mm	L mm
610190	30	**19**	30	24.8	42
610200	30	**20**	30	26.0	42
610210	30	**21**	30	27.0	42
610220	30	**22**	30	28.0	42
610240	30	**24**	30	31.8	42
610270	30	**27**	30	35.8	42
610300	30	**30**	30	39.8	45
610320	30	**32**	30	41.8	48
610340	30	**34**	30	43.8	50

External TX-socket

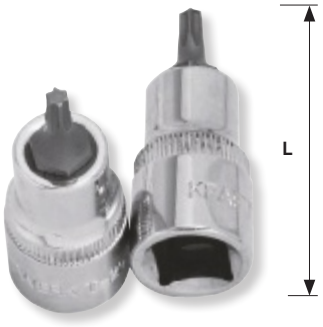
Llave de vaso TX exterior

Chave de caixa TX exterior



Art.			D1 mm	D2 mm	L mm
320010	1/2"	**E10**	22	13	38
320012	1/2"	**E12**	22	15	38
320014	1/2"	**E14**	22	17	38
320016	1/2"	**E16**	22	19	38
320018	1/2"	**E18**	24	21	38
320020	1/2"	**E20**	26	23.5	38
320022	1/2"	**E22**	26	26	38
320024	1/2"	**E24**	28	28	40

TX bit-socket
Llave de vaso punta TX
Chave de caixa com bit TX



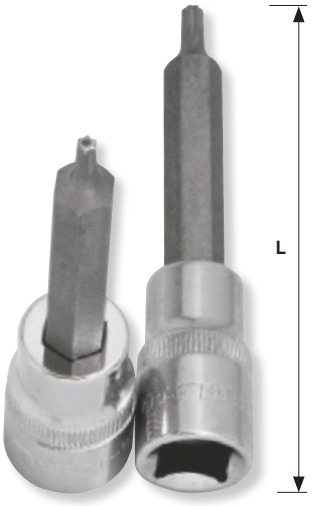
Art.	▢	✶	L mm
325010	1/2"	**T10**	56
325015	1/2"	**T15**	56
325020	1/2"	**T20**	56
325025	1/2"	**T25**	56
325027	1/2"	**T27**	56
325030	1/2"	**T30**	56
325040	1/2"	**T40**	56
325045	1/2"	**T45**	56
325050	1/2"	**T50**	56
325055	1/2"	**T55**	56
325060	1/2"	**T60**	56
325070	1/2"	**T70**	56

Long TX bit-socket
Llave de vaso largo, punta TX
Chave de caixa com bit TX longa

Art.	▢	✶	L mm
335010	1/2"	**T10**	100
335015	1/2"	**T15**	100
335020	1/2"	**T20**	100
335025	1/2"	**T25**	100
335027	1/2"	**T27**	100
335030	1/2"	**T30**	100
335040	1/2"	**T40**	100
335045	1/2"	**T45**	100
335050	1/2"	**T50**	100
335055	1/2"	**T55**	100
335060	1/2"	**T60**	100

Long tamper TX bit-socket
Llave de vaso largo, punta TX seguridad
Chave de caixa com bit tamper TX longa

Art.	▢	✡	L mm
345330	1/2"	**T30**	200
345340	1/2"	**T40**	200
345345	1/2"	**T45**	200
335370	1/2"	**T70**	100
325380	1/2"	**T80**	200
325381	1/2"	**T80**	70

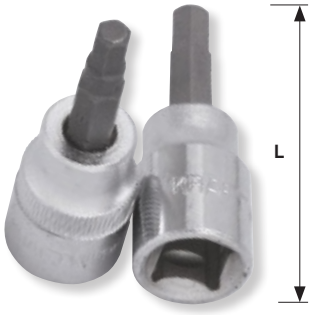


TX impact socket
Llave de vaso de impacto, TX
Chave de caixa impacto TX

Art.	▢	✡	L mm
385010	1/2"	**T10**	78
385015	1/2"	**T15**	78
385020	1/2"	**T20**	78
385025	1/2"	**T25**	78
385027	1/2"	**T27**	78
385030	1/2"	**T30**	78
385040	1/2"	**T40**	78
385045	1/2"	**T45**	78
385050	1/2"	**T50**	78
385055	1/2"	**T55**	78
385060	1/2"	**T60**	78
385070	1/2"	**T70**	78
385080	1/2"	**T80**	78
385090	1/2"	**T90**	78

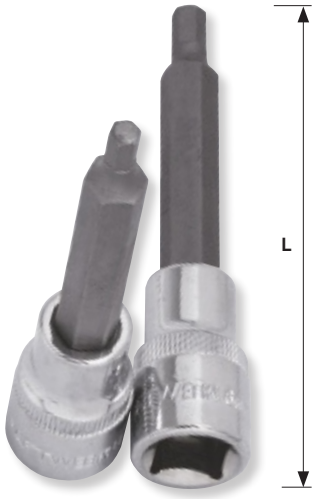
Hexagonal bit-socket
Llave de vaso punta hexagonal
Chave de caixa com bit sextavado

Art.	▢	⬢ mm	L mm
326005	1/2"	5	55
326006	1/2"	6	55
326007	1/2"	7	55
326008	1/2"	8	55
326010	1/2"	10	55
326012	1/2"	12	55
326014	1/2"	14	55
326017	1/2"	17	55



Long hexagonal bit-socket
Llave de vaso largo, punta hexagonal
Chave de caixa com bit sextavada longa

Art.	▢	⬢ mm	L mm
336005	1/2"	5	100
336006	1/2"	6	100
336007	1/2"	7	100
336008	1/2"	8	100
336010	1/2"	10	100
336012	1/2"	12	100



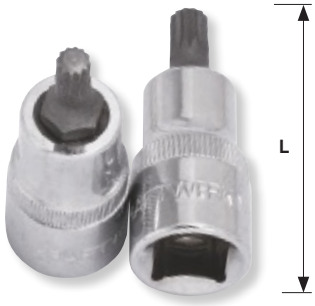
Hexagonal impact socket
Llave de vaso de impacto, hexagonal
Chave de caixa impacto sextavada

Art.	▢	⬢ mm	L mm
386003	1/2"	3	78
386004	1/2"	4	78
386005	1/2"	5	78
386006	1/2"	6	78
386007	1/2"	7	78
386008	1/2"	8	78
386009	1/2"	9	78
386010	1/2"	10	78
386012	1/2"	12	78
386014	1/2"	14	78
386016	1/2"	16	78
386017	1/2"	17	78

Spline bit-socket
Llave de vaso punta XZN
Chave de caixa com bit XZN

1/2" XZN S2 quality

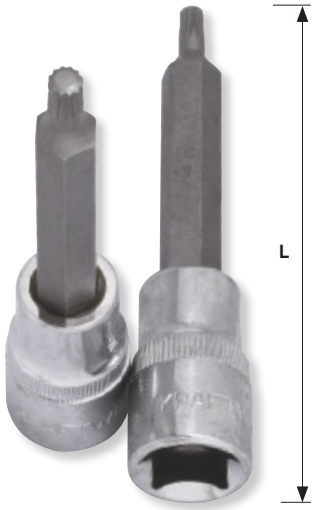
Art.	▢	✹ XZN	L mm
328005	1/2"	**M5**	55
328006	1/2"	**M6**	55
328008	1/2"	**M8**	55
328010	1/2"	**M10**	55
328012	1/2"	**M12**	55
328014	1/2"	**M14**	55
328016	1/2"	**M16**	55



Long spline bit-socket
Llave de vaso largo, punta XZN
Chave de caixa com bit XZN longa

1/2" XZN S2 quality

Art.	▢	✹ XZN	L mm
338005	1/2"	**M5**	100
338006	1/2"	**M6**	100
338008	1/2"	**M8**	100
338010	1/2"	**M10**	100
338012	1/2"	**M12**	100



XZN-Spline impact socket
Llave de vaso de impacto, XZN
Chave de caixa impacto XZN

1/2" XZN CrMo

Art.	▢	✹ XZN	L mm
388004	1/2"	**M4**	78
388005	1/2"	**M5**	78
388006	1/2"	**M6**	78
388008	1/2"	**M8**	78
388009	1/2"	**M9**	78
388010	1/2"	**M10**	78
388012	1/2"	**M12**	78
388014	1/2"	**M14**	78
388016	1/2"	**M16**	78
388018	1/2"	**M18**	78

Tamper RIBE bit-socket
Llave de vaso punta RIBE seguridad
Chave de caixa com bit tamper RIBE

Art.	▢	⚙	L mm
329005	1/2"	**RM5**	55
329006	1/2"	**RM6**	55
329007	1/2"	**RM7**	55
329008	1/2"	**RM8**	55
329009	1/2"	**RM9**	55
329010	1/2"	**RM10**	55
329011	1/2"	**RM11**	55
329012	1/2"	**RM12**	55
329013	1/2"	**RM13**	55
329014	1/2"	**RM14**	55

Long tamper RIBE bit-socket
Llave de vaso largo, punta RIBE seguridad
Chave de caixa com bit tamper RIBE longa

Art.	▢	⚙	L mm
339005	1/2"	**RM5**	100
339006	1/2"	**RM6**	100
339007	1/2"	**RM7**	100
339008	1/2"	**RM8**	100
339009	1/2"	**RM9**	100
339010	1/2"	**RM10**	100
339011	1/2"	**RM11**	100
339012	1/2"	**RM12**	100
339013	1/2"	**RM13**	100
339014	1/2"	**RM14**	100

RIBE impact socket
Llave de vaso de impacto, RIBE
Chave de caixa impacto RIBE

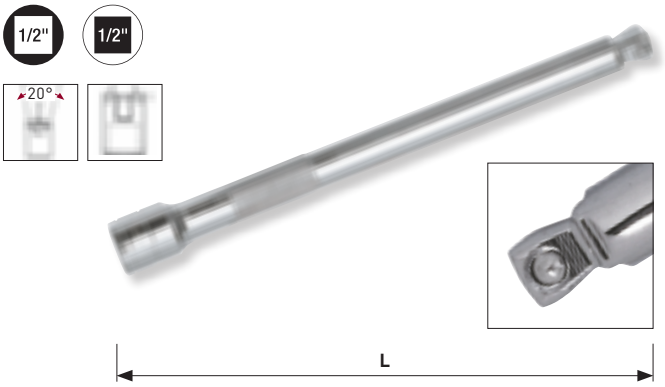
Art.	▢	✱	L mm
389004	1/2"	**RM4**	78
389005	1/2"	**RM5**	78
389006	1/2"	**RM6**	78
389007	1/2"	**RM7**	78
389008	1/2"	**RM8**	78
389009	1/2"	**RM9**	78
389010	1/2"	**RM10**	78
389012	1/2"	**RM12**	78
389013	1/2"	**RM13**	78
389014	1/2"	**RM14**	78

Extension bar
Alargadera
Extensão

Art.	▢	■	L mm
307125	1/2"	1/2"	**125**
307250	1/2"	1/2"	**250**

Duplex wobble extension bar
Alargadera de punta angular duplex
Extensão com ponta angular duplex

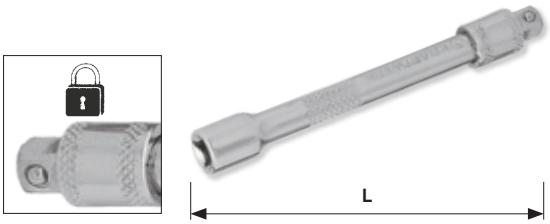
Art.	▢	■	L mm
307126	1/2"	1/2"	**125**
307251	1/2"	1/2"	**250**



Locking extension bar
Alargadera bloqueo
Extensão com fecho

1/2" 1/2"

Art.	▢	■	L mm
307127	1/2"	1/2"	**125**
307252	1/2"	1/2"	**250**



Quick locking extension bar set
Juego de alargaderas con extracción rápida
Jogo de extensões de fecho segurança

1/4" 3/8" 1/2" CrV 3 PCS
1/4" 3/8" 1/2"

Art.	▢	■	L mm
123002	1/4"	1/4"	**100**
	3/8"	3/8"	**150**
	1/2"	1/2"	**250**

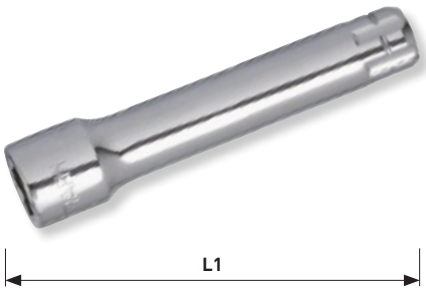
Pass through extension bar
enables the fastening and unfastening jobs with long bolt and threaded rods.

Alargadera pasante
permite la entrada en un espárrago largo para el apriete/ desapriete de tuercas.

Extensão de aperto
permite o aperto e o desaperto de parafusos longos e de varão roscado.

30 mm 30 mm

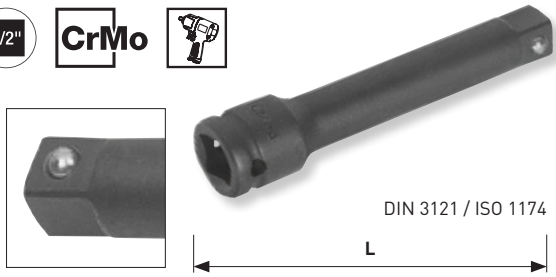
Art.	⬡	⬡ mm	L mm
617075	30	30	**75**
617150	30	30	**150**



Impact extension bar
Alargadera impacto
Extensão de impacto

1/2" 1/2" CrMo

Art.	▢	■	L mm
387125	1/2"	1/2"	**125**



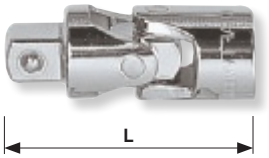
3-way t-bar-adapter
Adaptador para barra deslizante T
Adaptador de 3 vias para rabo de força

Art.	▢	■	Art.	L mm
308000	3/8"	1/2"	**307250**	43.5
308001	3/8"	1/2"	**307251**	43.5

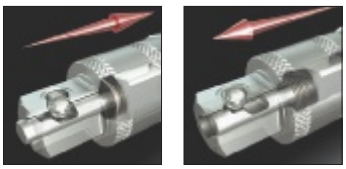
Universal joint
Articulación universal
Cardan

Art.	▢	■	L mm
310000	1/2"	1/2"	75

DIN 3123 / ISO 3316

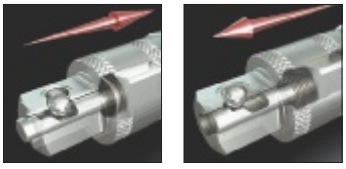


Quick locking universal joint
Articulación universal con bloqueo rápido
Cardan bloqueio com fecho rápido



Art.	▢	■	L mm
123102-12	1/2"	1/2"	79

Quick locking universal joint set
Juego de articulaciones con cierre y extracción rápida de vaso
Jogo de cardan bloqueio com fecho rápido

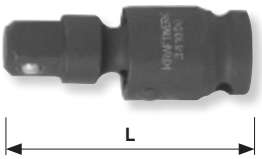


Art.	▢	■	L mm
123102	1/4"	1/4"	55
	3/8"	3/8"	79
	1/2"	1/2"	110

Impact universal joint
Articulación universal impacto
Cardan de impacto

1/2" 1/2" CrMo

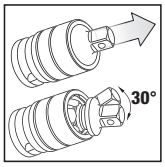
DIN 3123 / ISO 3316



Art.	▢	■	L mm
381000	1/2"	1/2"	65

Wobble impact universal joint set
Juego de articulaciones universales impacto
Jogo de cardans de impacto

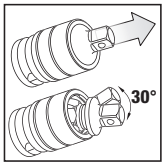
1/4" 1/4" CrMo 3 PCS
3/8" 3/8"
1/2" 1/2"



Art.	▢	■	L mm
387998	1/4"	1/4"	37
	3/8"	3/8"	46
	1/2"	1/2"	62

Wobble impact adaptor set
Juego de adaptadores/reductores articulados de impacto
Jogo de adaptadores/redutores de impacto

1/4" 3/8" CrMo 5 PCS
3/8" 1/4"
3/8" 1/2"
1/2" 3/8"
1/2" 3/4"



Art.	▢	■	L mm
387999	1/4"	3/8"	36
	3/8"	1/4"	44
	3/8"	1/2"	48
	1/2"	3/8"	57
	1/2"	3/4"	70

Socket adapter
Adaptador
Adaptador

Art.	▢	■	L mm
311340	1/2"	3/4"	46

1/2" 3/4"

DIN 3123 / ISO 3316

Socket reducer
Reductor
Redutor

Art.	▢	■	L mm
311380	1/2"	3/8"	37

1/2" 3/8"

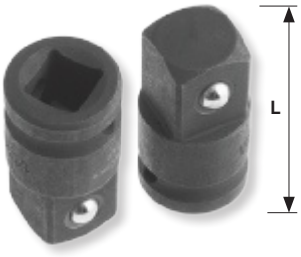
DIN 3123 / ISO 3316

Impact socket adapter
Adaptador impacto
Adaptador de impacto

Art.	▢	■	L mm
381340	1/2"	3/4"	48

1/2" 3/4" CrMo

DIN 3121 / ISO 1174



Coupler for bits
Acoplador puntas
Adaptador de bits

Art.	▢	○	L mm
311516	1/2"	5/16"	38

1/2" 5/16" 5/16"

Impact coupler for bits
Acoplador impacto puntas
Adaptador de impacto para bits

Art.	▢	○	L mm
381516	1/2"	5/16"	39

1/2" 5/16" 5/16" CrMo

DIN 7427-A

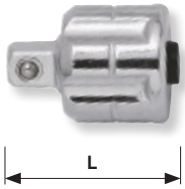
Socket adapter
for pass through reversible ratchet handle 610000

Adaptador llaves de vaso
para carraca reversible pasante 610000

Adaptador chaves de caixa
para roquete manual de aperto reversível 610000

30 mm

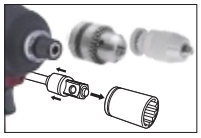
Art.	■	○	L mm
611120	1/2"	30 mm	40



Impact socket adapter
with locking function

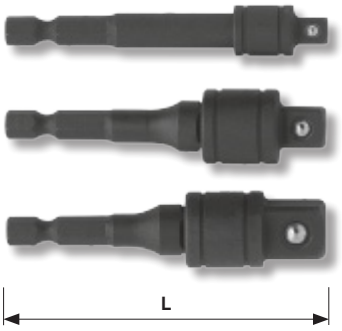
Adaptador impacto para llaves de vaso
con bloqueo

Adaptador de impacto para chaves de caixa
com fecho automático



Art.	⬢	■	L mm
381014	1/4"	**1/4"**	75
381038	1/4"	**3/8"**	75
381012	1/4"	**1/2"**	75
381003	1/4"	Set / *Carraca* / Roquete **1/4" + 3/8" + 1/2"**	75

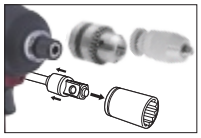
3 PCS



Impact socket adapter
with locking function

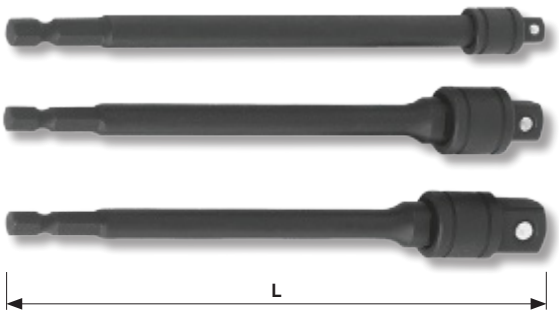
Adaptador impacto para llaves de vaso
con bloqueo

Adaptador de impacto para chaves de caixa
com fecho automático



Art.	⬢	■	L mm
381114	1/4"	**1/4"**	150
381138	1/4"	**3/8"**	150
381112	1/4"	**1/2"**	150
381103	1/4"	Set / *Carraca* / Roquete **1/4" + 3/8" + 1/2"**	150

3 PCS

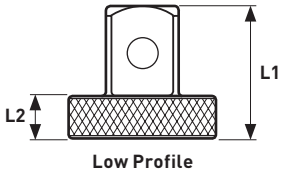


Socket adapter set
with specially slim profile

Juego adaptadores para vasos
con perfil especialmente fino

Conjunto de adaptadores de caixa
com perfil especialmente fino

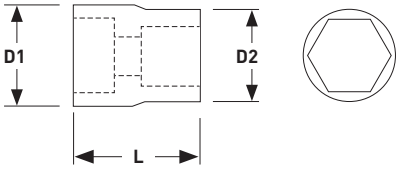
Art.	⬡	■	L1 mm	L2 mm
123003	1/4"	3/8"	18	6.5
	3/8"	1/2"	23	7.5
	1/2"	3/4"	34.5	11.5



Low Profile

Socket
Llave de vaso
Chave de caixa

DIN 3124 / ISO 2725-1



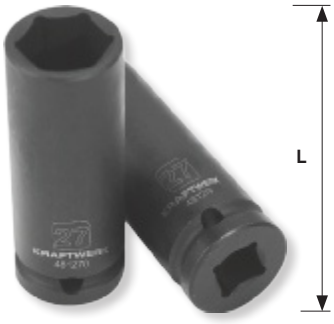
Art.	⬡	⬡ mm	D1 mm	D2 mm	L mm
400190	3/4"	**19**	33.0	29.0	50
400210	3/4"	**21**	33.0	31.0	50
400220	3/4"	**22**	36.0	32.0	50
400230	3/4"	**23**	36.0	33.0	50
400240	3/4"	**24**	36.0	34.0	51
400260	3/4"	**26**	38.0	36.0	52
400270	3/4"	**27**	36.0	38.0	52
400290	3/4"	**29**	38.0	40.0	52
400300	3/4"	**30**	38.0	42.0	54
400320	3/4"	**32**	38.0	44.0	56
400350	3/4"	**35**	42.0	48.0	58
400360	3/4"	**36**	42.0	50.0	58
400380	3/4"	**38**	45.0	52.0	60
400410	3/4"	**41**	45.0	56.0	64
400460	3/4"	**46**	47.0	62.0	68
400500	3/4"	**50**	48.0	68.0	72

Impact socket
Llave de vaso impacto
Chave de caixa impacto

Art.	▢	○ mm	L mm
480170	3/4"	**17**	50
480190	3/4"	**19**	52
480200	3/4"	**20**	52
480210	3/4"	**21**	52
480220	3/4"	**22**	52
480230	3/4"	**23**	52
480240	3/4"	**24**	52
480250	3/4"	**25**	52
480260	3/4"	**26**	52
480270	3/4"	**27**	52
480280	3/4"	**28**	52
480290	3/4"	**29**	52
480300	3/4"	**30**	52
480320	3/4"	**32**	52
480330	3/4"	**33**	56
480340	3/4"	**34**	56
480350	3/4"	**35**	56
480360	3/4"	**36**	56
480380	3/4"	**38**	56
480410	3/4"	**41**	58
480460	3/4"	**46**	63
480500	3/4"	**50**	72

Deep impact socket
Llave de vaso largo de impacto
Chave de caixa impacto longa

Art.	▢	○ mm	L mm
481170	3/4"	**17**	90
481180	3/4"	**18**	90
481190	3/4"	**19**	90
481210	3/4"	**21**	90
481220	3/4"	**22**	90
481240	3/4"	**24**	90
481260	3/4"	**26**	90
481270	3/4"	**27**	90
481290	3/4"	**29**	90
481300	3/4"	**30**	90
481320	3/4"	**32**	90
481350	3/4"	**35**	90
481360	3/4"	**36**	90
481380	3/4"	**38**	92
481410	3/4"	**41**	92
481460	3/4"	**46**	92
481500	3/4"	**50**	95

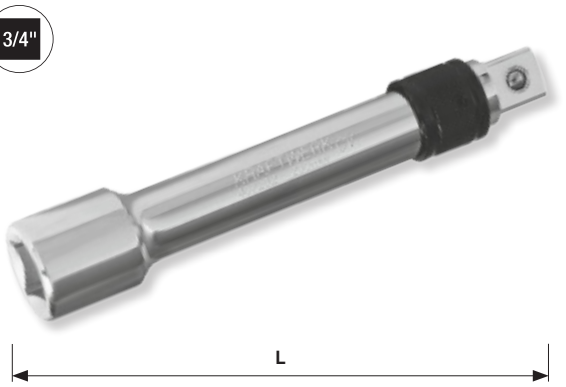


Extension bar
Alargadera
Extensão

Art.	▢	■	L mm
407100	3/4"	3/4"	100
407200	3/4"	3/4"	200
407400	3/4"	3/4"	400

Locking extension bar
Alargadera bloqueo
Extensão com fecho

Art.	▢	■	L mm
407102	3/4"	3/4"	100
407202	3/4"	3/4"	200
407402	3/4"	3/4"	400

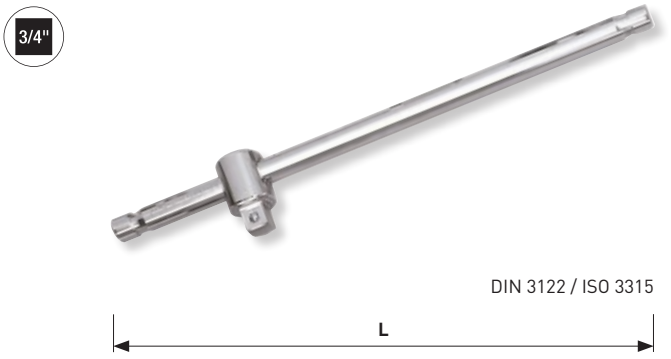


Impact extension bar
Alargadera impacto
Extensão de impacto

Art.	▢	■	L mm
487100	3/4"	3/4"	100
487200	3/4"	3/4"	200

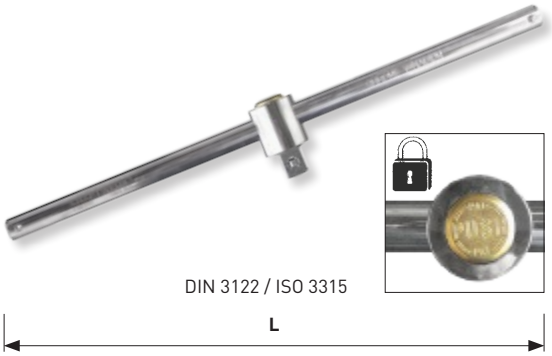
Sliding t-bar
Barra T deslizante
Cabo T corrediço

Art.	■	L mm
408000	3/4"	460



Locking sliding t-bar
Barra T deslizante bloqueo
Cabo T corrediço com fecho

3/4"



DIN 3122 / ISO 3315

L

Art.	■	L mm
408002	3/4"	460

Impact universal joint
Articulación universal impacto
Cardan de impacto

3/4" 3/4" CrMo

L

Art.	▢	■	L mm
481000	3/4"	3/4"	90

Socket adapter
Adaptador
Adaptador

3/4" 1"

DIN 3123 / ISO 3316

Art.	▢	■	L mm
411120	3/4"	1"	56

Socket reducer
Reductor
Redutor

3/4" 1/2"

DIN 3123 / ISO 3316

Art.	▢	■	L mm
411100	3/4"	1/2"	56

Impact socket adapter
Adaptador impacto
Adaptador de impacto

3/4" 1" CrMo

L

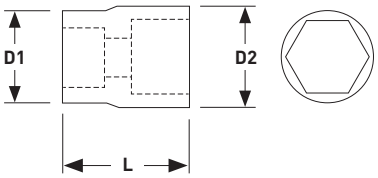
Art.	▢	■	L mm
483410	3/4"	1"	64

Impact socket reducer
Reductor impacto
Redutor de impacto

Art.	⬡	■	L mm
483412	3/4"	1/2"	56

Socket
Llave de vaso
Chave de caixa

DIN 3124 / ISO 2725-1



Art.	▢	⬡ mm	D1 mm	D2 mm	L mm
500360	1"	**36**	45	51	65
500380	1"	**38**	45	54	65
500410	1"	**41**	45	57	70
500460	1"	**46**	50	65	75
500500	1"	**50**	55	70	75
500540	1"	**54**	57	74	80
500550	1"	**55**	57	76	80
500580	1"	**58**	57	79	80
500600	1"	**60**	57	82	84
500630	1"	**63**	57	86	87
500650	1"	**65**	57	88	87
500670	1"	**67**	57	90	90
500700	1"	**70**	68	94	93
500710	1"	**71**	68	95	93
500750	1"	**75**	68	100	97
500770	1"	**77**	68	102	103
500800	1"	**80**	68	105	103

Deep impact socket
Llave de vaso largo de impacto
Chave de caixa impacto longa

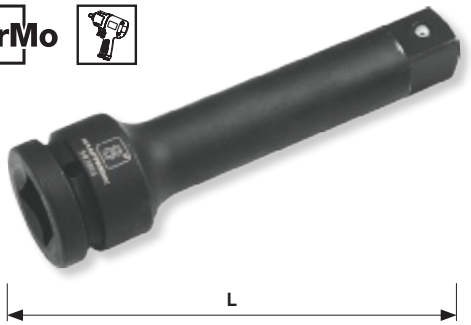
Art.	▢	○ mm	L mm
581220	1"	**22**	90
581240	1"	**24**	90
581270	1"	**27**	90
581300	1"	**30**	90
581320	1"	**32**	90
581330	1"	**33**	90
581340	1"	**34**	90
581360	1"	**36**	90
581380	1"	**38**	92
581410	1"	**41**	92
581460	1"	**46**	92
581500	1"	**50**	95
581550	1"	**55**	100
581600	1"	**60**	105
581650	1"	**65**	120
581700	1"	**70**	124
581750	1"	**75**	135
581800	1"	**80**	135
581850	1"	**85**	140
581900	1"	**90**	140

Extension bar
Alargadera
Extensão

Art.	▢	■	L mm
507200	1"	1"	200
507400	1"	1"	400

Impact extension bar
Alargadera impacto
Extensão de impacto

Art.	▢	■	L mm
587200	1"	1"	200



3-way t-bar-adapter
Adaptador para barra deslizante T
Adaptador de 3 vias para rabo de força

Art.	▢	■	L mm
508000	1"	1"	74

Impact universal joint
Articulación universal impacto
Cardan de impacto

Art.	▢	■	L mm
581000	1"	1"	110

Socket reducer
Reductor
Redutor

Art.	▢	■	L mm
511340	1"	3/4"	70

DIN 3123 / ISO 3316

Impact socket reducer
Reductor impacto
Redutor de impacto

Art.	▢	■	L mm
581034	1"	3/4"	75

Your notes / *Sus notas* / Suas notas

CHAPTER
CAPÍTULO
CAPÍTULO

3

KRAFTWERK
FAVORITE TOOLS SINCE 1979

CLICKRAFT

SURFACE™

75 — 19 mm 3/4"
72 — 8-9 mm 36-50 mm 5/16"
60 — 8-9 mm 36-50 mm 5/16"

5° 6°

15°

DOUBLE RATCHET

COMBINATION

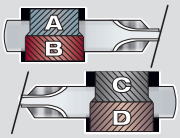
XXL LARGO

XXL LARGO 90

DOUBLE RING

REVERSIBLE

QUAD REVERSIBLE

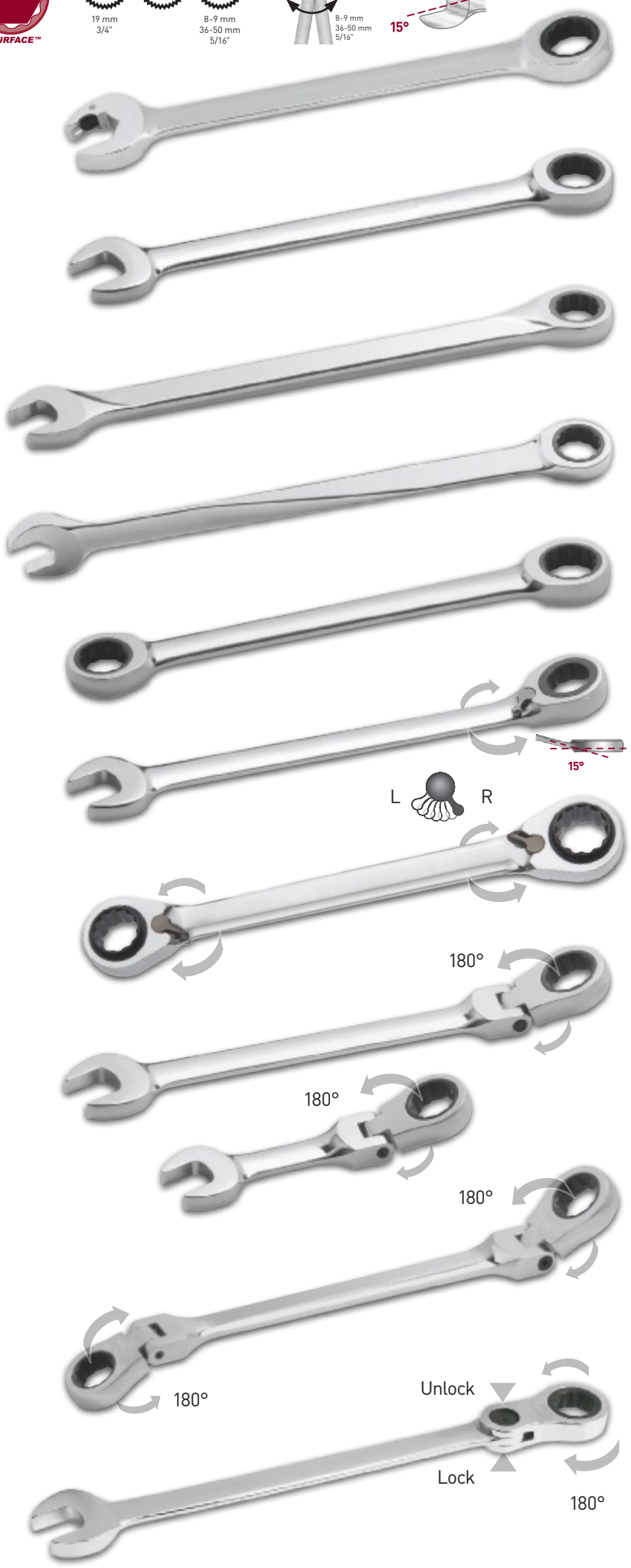


FLEX

STUBBY FLEX

DOUBLE FLEX

ANGLE

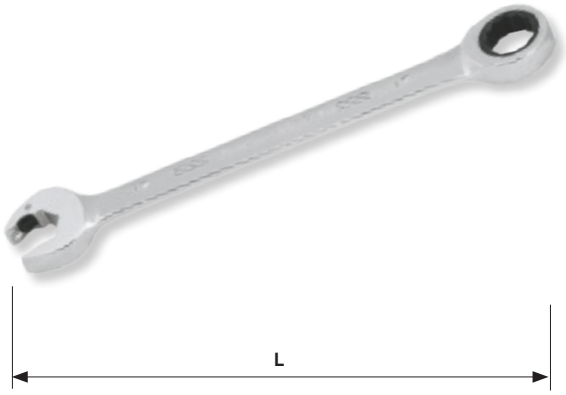


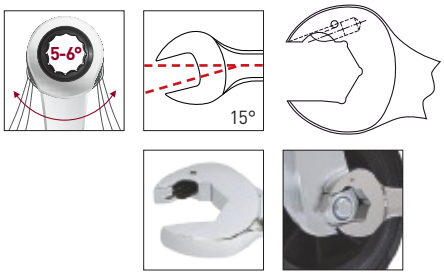
Double ratchet combination wrench
flat, with additional ratcheting function in the open end

Llave combinada doble carraca
plana, con mecanismo adicional efecto carraca en la boca abierta

Chave boca-luneta com roquete duplo
direita, com mecanismo de roquete adicional na boca

Art.	○ mm	D mm	L mm	○
3401-08	**8**	17.7	140	60
3401-09	**9**	19.0	149	60
3401-10	**10**	21.1	159	72
3401-11	**11**	23.1	165	72
3401-12	**12**	24.5	172	72
3401-13	**13**	26.5	178	72
3401-14	**14**	27.9	190	72
3401-15	**15**	30.5	199	72
3401-16	**16**	32.4	208	72
3401-17	**17**	34.2	225	72
3401-18	**18**	35.3	236	72
3401-19	**19**	36.1	248	75
3401-20	**20**	42.3	270	72
3401-21	**21**	42.3	270	72
3401-22	**22**	42.3	291	72
3401-24	**24**	49.3	312	72





Double ratchet combination wrench set
flat, with additional ratcheting function in the open end

Juego de llaves combinadas doble carraca
planas, con mecanismo adicional efecto carraca en la boca abierta

Jogo de chaves boca-luneta com roquete duplo
direitas, com mecanismo de roquete adicional na boca

4 PCS

Art.	○ mm
3401-50	**10-13-17-19**

Double ratchet combination wrench set
flat, with additional ratcheting function in the open end

Juego de llaves combinadas doble carraca
planas, con mecanismo adicional efecto carraca en la boca abierta

Jogo de chaves boca-luneta com roquete duplo
direitas, com mecanismo de roquete adicional na boca

12 PCS

Art.	mm
3401-54	8-9-10-11-12-13-14-15-16-17-18-19

325 x 185 x 56 mm

Double ratchet combination wrench case
flat, with additional ratcheting function in the open end
(except 5.5-6-7 mm)

Estuche de llaves combinadas doble carraca
planas, con mecanismo adicional efecto carraca en la boca abierta
(excepto 5.5-6-7 mm)

Jogo de chaves boca-luneta com roquete duplo em mala
direitas, com mecanismo de roquete adicional na boca
(exceto 5.5-6-7 mm)

15 PCS

COMPLETO

***Option / *Opcionales* / Opção**

Art. 3691 ■ 1/4" x ⬢ 10 mm
Art. 3692 ■ 3/8" x ⬢ 13 mm
Art. 3693 ■ 1/2" x ⬢ 19 mm

Art. 2694 ○ 1/4" x ⬢ 10 mm

Art.	mm
4900-40K	5.5-6-7-8-9-10-11-12-13-14-15-16-17-18-19

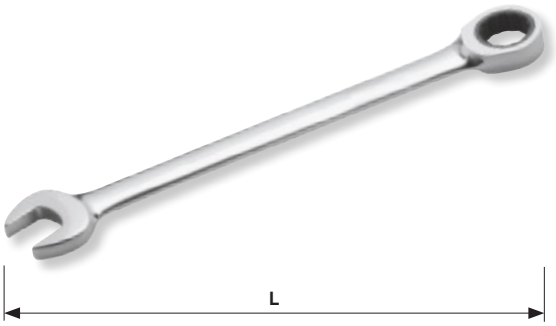
421 x 200 x 68 mm

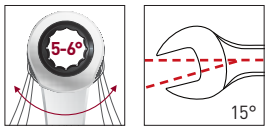
Ratchet combination wrench
flat

Llave combinada carraca
plana

Chave boca-luneta com roquete
direita

Art.	⬡ mm	D mm	L mm	⬡
3405	**5.5**	16.5	125	60
3406	**6**	17.0	125	60
3407	**7**	17.0	140	60
3408	**8**	17.0	140	60
3409	**9**	18.5	149	60
3410	**10**	20.5	160	72
3411	**11**	21.5	165	72
3412	**12**	23.0	170	72
3413	**13**	25.0	180	72
3414	**14**	28.0	190	72
3415	**15**	29.0	200	72
3416	**16**	30.0	210	72
3417	**17**	31.5	225	72
3418	**18**	33.0	235	72
3419	**19**	34.0	250	75
3420	**20**	41.0	290	72
3421	**21**	41.0	290	72
3422	**22**	41.5	290	72
3424	**24**	48.0	333	72
3427M	**27**	52.5	360	72
3430M	**30**	59.0	400	72
3432M	**32**	62.5	425	72
3434M	**34**	63.0	460	72
3436M	**36**	64.0	500	60
3441M	**41**	68.0	575	60
3446M	**46**	76.0	645	60
3450M	**50**	80.0	655	60





Ratchet combination wrench set
flat

Juego de llaves combinadas carraca
planas

Jogo de chaves boca-luneta com roquete
direitas

4 PCS

Art.	mm
3400-50	10-13-17-19

Ratchet combination wrench set
flat

Juego de llaves combinadas carraca
planas

Jogo de chaves boca-luneta com roquete
direitas

6 PCS

Art.	mm
3427	8-10-12-13-17-19

Ratchet combination wrench case
flat

Juego de llaves combinadas carraca
planas

Jogo de chaves boca-luneta com roquete
direitas

12 PCS

Art.	mm
3400-54	8-9-10-11-12-13-14-15-16-17-18-19

Ratchet combination wrench case
flat, with socket- and bit-adapters

Estuche de llaves combinadas carraca
planas, con adaptadores para llaves de vaso y puntas

Jogo de chaves boca-luneta com roquete em mala
direitas, com adaptadores para chaves de caixa e bits

19 PCS

COMPLETO

421 x 200 x 68 mm

*** inklusiv / *inclus* / incluso**

Art. 3691 ■ 1/4" x ⬢ 10 mm
Art. 3692 ■ 3/8" x ⬢ 13 mm
Art. 3693 ■ 1/2" x ⬢ 19 mm

Art. 2694 ○ 1/4" x ⬢ 10 mm

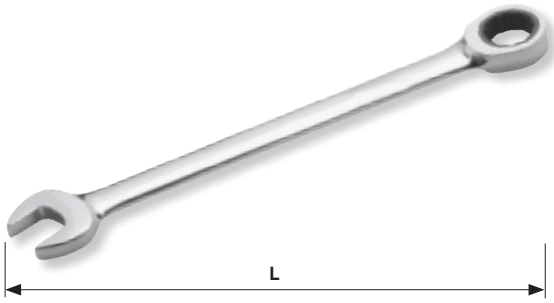
Art.	○ mm
4900-17K	5.5-6-7-8-9-10-11-12-13-14-15-16-17-18-19

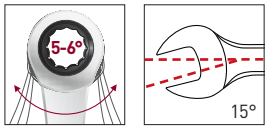
Ratchet combination wrench, inch
flat

Llave combinada carraca pulgada
plana

Chave boca-luneta com roquete, polegada
direita

inch





Art.	○ inch	D mm	L mm	○
3431	5/16"	17.0	140	60
3432	3/8"	20.5	160	72
3433	7/16"	21.2	165	72
3434	1/2"	25.5	180	72
3435	9/16"	28.0	190	72
3436	5/8"	30.0	210	72
3437	11/16"	31.5	225	72
3438	3/4"	34.0	250	75

Ratchet combination wrench set, inch
flat

Juego de llaves combinadas carraca en pulgadas
planas

Jogo de chaves boca-luneta com roquete, polegada
direitas

8 PCS inch

Art.	○ inch
3430	5/16"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"

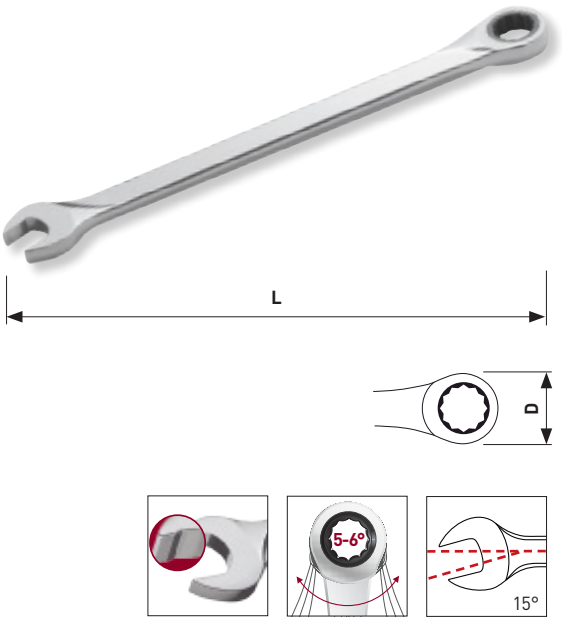
Ratchet combination wrench
flat, extra long

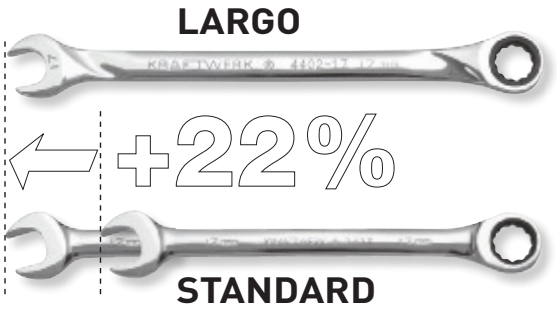
Llave combinada carraca
plana, extra larga

Chave boca-luneta com roquete
direita, extra longa

Art.	⬡ mm	D mm	L mm	⬡
4402-08	**8**	17.5	150	60
4402-09	**9**	18.3	165	60
4402-11	**11**	22.3	195	72
4402-12	**12**	24.0	207	72
4402-14	**14**	28.2	235	72
4402-15	**15**	30.2	250	72
4402-16	**16**	32.0	260	72
4402-17	**17**	32.8	275	72
4402-18	**18**	33.6	290	72
4402-19	**19**	36.4	305	75
4402-20	**20**	41.2	318	72
4402-21	**21**	41.2	318	72
4402-22	**22**	41.2	330	72
4402-24	**24**	46.7	356	72

XXL





LARGO
+22%
STANDARD

XXL

Ratchet combination wrench set
flat, extra long

Juego de llaves combinadas carraca
planas, extra largas

Jogo de chaves boca-luneta com roquete
direitas, extra longas

***Option / *Opcionales* / Opção**

Art. 3691 ■ 1/4" x ⬢ 10 mm
Art. 3692 ■ 3/8" x ⬢ 13 mm
Art. 3693 ■ 1/2" x ⬢ 19 mm
Art. 2694 ○ 1/4" x ⬢ 10 mm

Art.	○ mm
4402-51	8-10-13-17-19

5 PCS

380 x 212 x 55 mm

Ratchet combination wrench set
flat, extra long

Juego de llaves combinadas carraca
planas, extra largas

Jogo de chaves boca-luneta com roquete
direitas, extra longas

***Option / *Opcionales* / Opção**

Art. 3691 ■ 1/4" x ⬢ 10 mm
Art. 3692 ■ 3/8" x ⬢ 13 mm
Art. 3693 ■ 1/2" x ⬢ 19 mm
Art. 2694 ○ 1/4" x ⬢ 10 mm

Art.	○ mm
4402-52	8-10-11-12-13-16-17-18-19

9 PCS

380 x 212 x 55 mm

Ratchet combination wrench set
flat, extra long

Juego de llaves combinadas carraca
planas, extra largas

Jogo de chaves boca-luneta com roquete
direitas, extra longas

***Option / *Opcionales* / Opção**

Art. 3691 ■ 1/4" x ⬢ 10 mm
Art. 3692 ■ 3/8" x ⬢ 13 mm
Art. 3693 ■ 1/2" x ⬢ 19 mm
Art. 2694 ○ 1/4" x ⬢ 10 mm

Art.	○ mm
4402-53	8-9-10-11-12-13-14-15-16-17-18-19

12 PCS

380 x 212 x 55 mm

LARGO 90 combination ratchet wrench

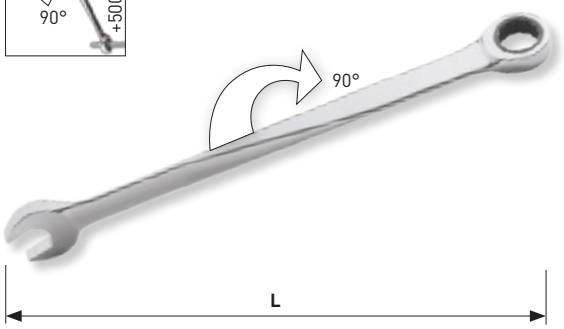
500 % more contact and press area grace to the 90° crossbeam forge of the LARGO 90-wrench. Open and ring end sided working without tender spots in your hands since you work with the handle surface and not with the thin handle edge.

Llave combinada con carraca LARGO 90

500 % de mayor contacto y area de presión gracias a su torsión a 90º de la nueva serie LARGO. La presión se realiza sobre una superficie plana en vez de sobre los bordes rectos de la llave permitiendo trabajar con una máxima ergonomía para la palma de la mano.

Chave boca-luneta com roquete LARGO 90

500 % mais área de contacto e força graças aos 90º da nova chave LARGO 90. A pressão exercida na parte plana e não na parte lateral mais fina que permite um trabalhar em perfeita ergonomia com a mão.



Art.	mm	D mm	L mm	
4405-08	**8**	17.5	148	60
4405-09	**9**	18.3	163	60
4405-10	**10**	21.3	179	72
4405-11	**11**	22.3	193	72
4405-12	**12**	24.0	204	72
4405-13	**13**	26.3	219	72
4405-14	**14**	28.2	234	72
4405-15	**15**	30.2	248	72
4405-16	**16**	32.0	259	72
4405-17	**17**	32.8	274	72
4405-18	**18**	33.6	291	72
4405-19	**19**	36.4	305	75

LARGO 90 combination ratchet wrench case

500 % more contact and press area grace to the 90° crossbeam forge of the wrench

Estuche de llaves combinadas con carraca LARGO 90

500 % de mayor contacto y área de presión gracias a su torsión a 90º de la llave

Jogo de chaves boca-luneta com roquete LARGO 90 em mala

500 % mais area de contacto e força graças aos 90º da nova chave

12 PCS

COMPLETO

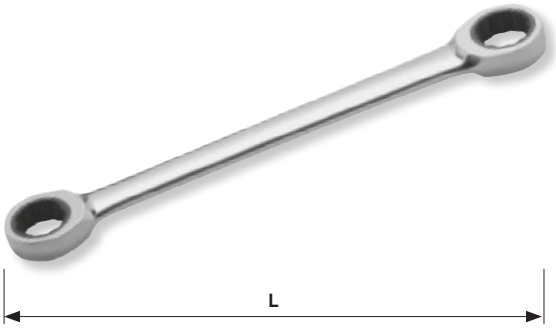
421 x 200 x 68 mm

Art.	mm
4900-28K	**8-9-10-11-12-13-14-15-16-17-18-19**

Double ring ratchet wrench
flat

Llave poligonal doble con carraca
plana

Chave luneta dupla com roquete
direita

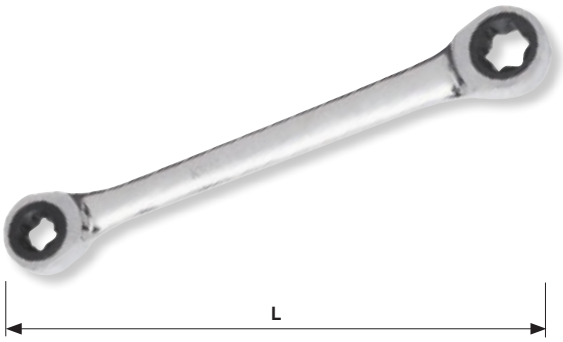


Art.	○ mm	L mm	○
3441	**8 x 9**	130	60
3440	**8 x 10**	128	60 x 72
3442	**10 x 11**	150	72
3447	**10 x 13**	160	72
3443	**12 x 13**	170	72
3444	**14 x 15**	187	72
3445	**16 x 18**	210	72
3446	**17 x 19**	230	72 x 75

External TX double ring ratchet wrench
flat

Llave de estrella doble con carraca TX exterior
plana

Chave luneta com roquete TX exterior
direita



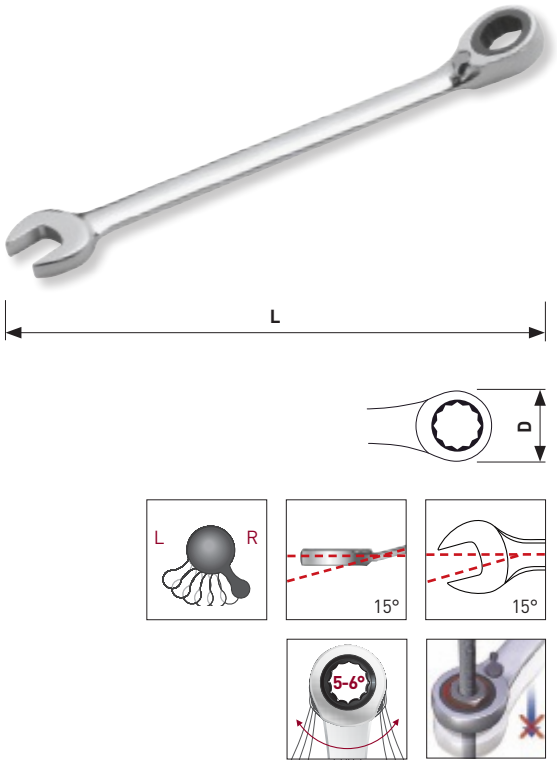
Art.	✪	L mm	○
3471	**E6 x E8**	130	60
3472	**E10 x E12**	150	60
3473	**E14 x E18**	190	60
3474	**E20 x E24**	230	60

Ratchet combination wrench
reversible

Llave combinada con carraca
reversible

Chave boca-luneta com roquete
reversível

Art.	○ mm	D mm	L mm	○
3404-08	**8**	16.8	140	60
3404-09	**9**	18.2	149	60
3404-10	**10**	20.1	159	72
3404-11	**11**	21.5	165	72
3404-12	**12**	23.0	170	72
3404-13	**13**	25.1	180	72
3404-14	**14**	27.1	190	72
3404-15	**15**	29.0	200	72
3404-16	**16**	30.6	208	72
3404-17	**17**	31.8	225	72
3404-18	**18**	32.3	236	72
3404-19	**19**	34.1	248	75
3404-20	**20**	41.7	290	72
3404-21	**21**	41.7	290	72
3404-22	**22**	41.7	290	72
3404-24	**24**	48.0	330	72



Ratchet combination wrench set
reversible

Juego de llaves combinadas con carraca
reversibles

Jogo de chaves boca-luneta com roquete
reversíveis

4 PCS

Art.	mm
3404-50	10-13-17-19

Ratchet combination wrench set
reversible

Juego de llaves combinadas con carraca
reversibles

Jogo de chaves boca-luneta com roquete
reversíveis

6 PCS

Art.	mm
3404-51	8-10-12-13-17-19

Ratchet combination wrench set
reversible

Juego de llaves combinadas con carraca
reversibles

Jogo de chaves boca-luneta com roquete
reversíveis

12 PCS

325 x 185 x 56 mm

Art.	mm
3404-54	8-9-10-11-12-13-14-15-16-17-18-19

REVERSIBLE CLICKRAFT

COMPLETO

Ratchet combination wrench case
reversible

Estuche de llaves combinadas con carraca
reversibles

Jogo de chaves boca-luneta com roquete em mala
reversíveis

14 PCS

421 x 200 x 68 mm

Art.	○ mm
4900-47K	8-9-10-11-12-13-14-15-16-17-18-19-22-24

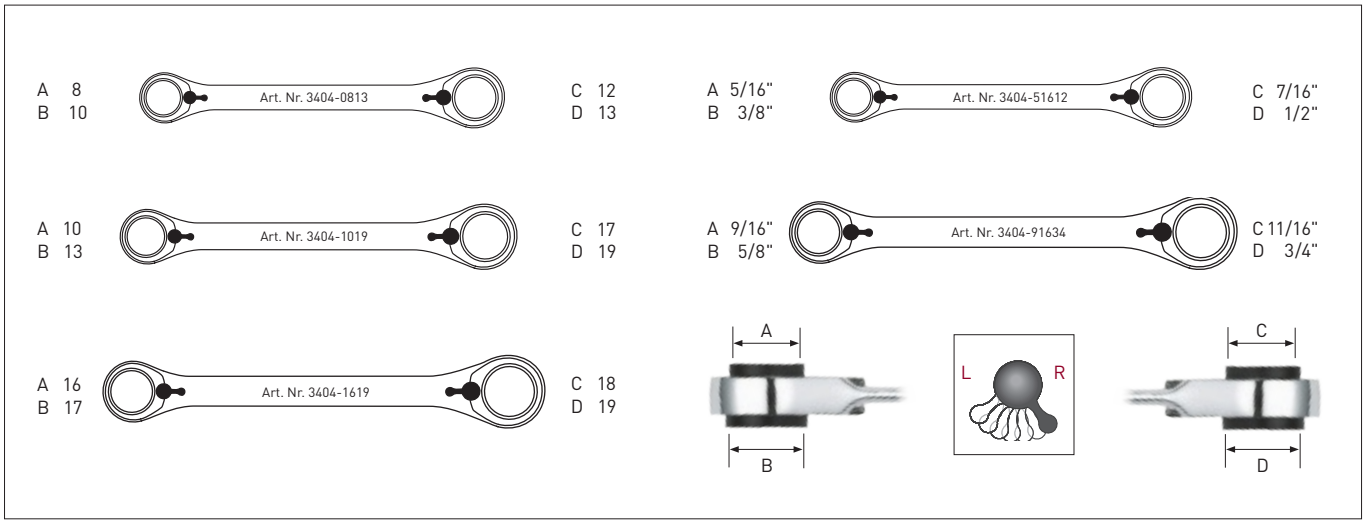
QUAD REVERSIBLE CLICKRAFT

4-in-1 double ring ratchet wrench
reversible

Llave poligonal doble con carraca 4-en-1
reversible

Chave luneta dupla com roquete 4-em-1
reversíveis

Art.	○	L mm	○
3404-0813	8 x 10 mm 12 x 13 mm	160	72 x 72
3404-1019	10 x 13 mm 17 x 19 mm	200	72 x 75
3404-1619	16 x 17 mm 18 x 19 mm	230	72 x 75
3404-51612	5/16" x 3/8" 7/16" x 1/2"	160	72 x 72
3404-91634	9/16" x 5/8" 11/16" x 3/4"	210	72 x 75



QUAD REVERSIBLE CLICKRAFT

4-in-1 double ring ratchet wrench set
reversible

Juego de llaves poligonales doble con carraca 4-en-1
reversibles

Jogo de chaves luneta dupla com roquete 4-em-1
reversíveis

2 PCS

250 x 110 x 35 mm

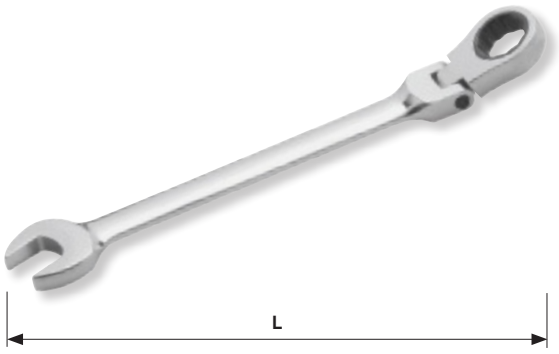
Art.	○ mm
3404-4x2	8 x 10 / 12 x 13 16 x 17 / 18 x 19

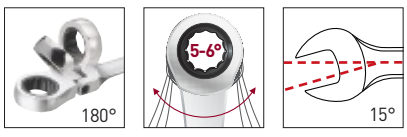
FLEX CLICKRAFT

Ratchet combination wrench
flexible

Llave combinada con carraca
flexible

Chave boca-luneta com roquete
flexível





Art.	○ mm	D mm	L mm	○
3403-08	8	17.0	140	60
3403-09	9	19.0	149	60
3403-10	10	20.0	158	72
3403-11	11	22.0	165	72
3403-12	12	23.0	171	72
3403-13	13	25.0	176	72
3403-14	14	27.5	190	72
3403-15	15	29.0	199	72
3403-16	16	30.0	208	72
3403-17	17	32.0	225	72
3403-18	18	34.0	236	72
3403-19	19	34.3	248	75
3403-20	20	42.0	290	72
3403-21	21	42.0	290	72
3403-22	22	42.0	290	72
3403-24	24	49.0	333	72

Ratchet combination wrench set
flexible

Juego de llaves combinadas con carraca
flexibles

Jogo de chaves boca-luneta com roquete
flexíveis

6 PCS

Art.	mm
3403-51	8-10-12-13-17-19

Ratchet combination wrench set
flexible

Juego de llaves combinadas con carraca
flexibles

Jogo de chaves boca-luneta com roquete
flexíveis

12 PCS

325 x 185 x 56 mm

Art.	mm
3403-54	8-9-10-11-12-13-14-15-16-17-18-19

Ratchet combination wrench case
flexible

Estuche de llaves combinadas con carraca
flexibles

Jogo de chaves boca-luneta com roquete em mala
flexíveis

14 PCS

COMPLETO

421 x 200 x 68 mm

Art.	mm
4900-46K	8-9-10-11-12-13-14-15-16-17-18-19-22-24

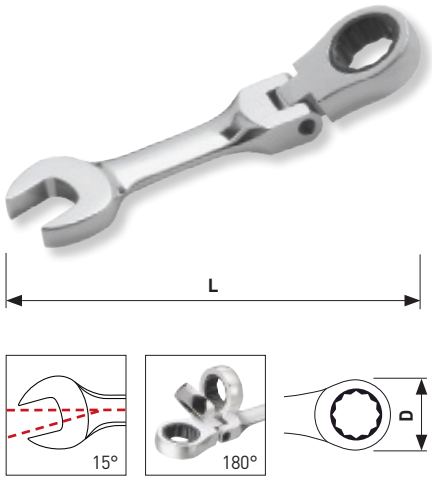
STUBBY FLEX CLICKRAFT

Ratchet combination wrench
flexible, Stubby

Llave combinada con carraca
flexible, corta

Chave boca-luneta com roquete
flexível, curta

Art.	⬡ mm	D mm	L mm	○
3403-08S	**8**	17.0	88	60
3403-10S	**10**	20.0	94	72
3403-11S	**11**	22.0	102	72
3403-12S	**12**	23.0	105	72
3403-13S	**13**	25.0	107	72
3403-14S	**14**	27.5	114	72



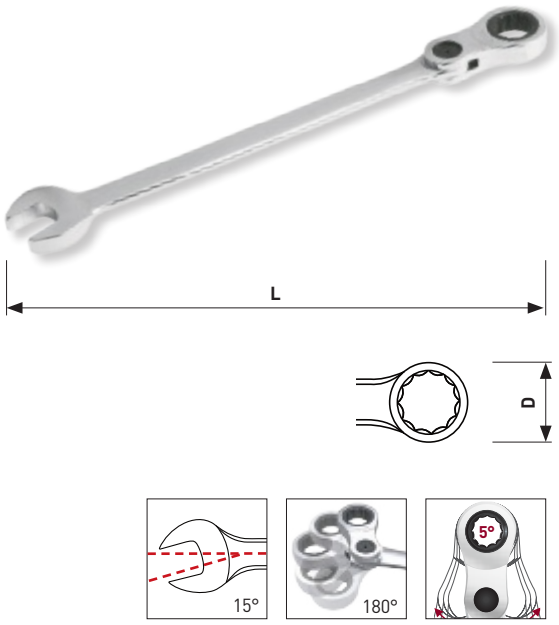
ANGLE CLICKRAFT

Ratchet combination wrench
swivelling laterally stepless up to 180° for ratcheting even at badly accessible places. Locking knob for fixation of the angle

Llave combinada con carraca
oscilante lateralmente sin escalonamiento hasta 180° para trabajar en sitios de muy difícil acceso. Botón de bloqueo para fijar el ángulo

Chave boca-luneta com roquete
angular sem escala até 180° lateral para trabalhar em sítios de acesso limitado. Sistema de bloqueio para o ângulo

Art.	⬡ mm	D mm	L mm	○
3402-08	**8**	17.0	151	60
3402-09	**9**	17.9	164	60
3402-10	**10**	19.8	179	72
3402-11	**11**	21.6	194	72
3402-12	**12**	23.0	205	72
3402-13	**13**	24.7	219	72
3402-14	**14**	26.3	233	72
3402-15	**15**	28.4	247	72
3402-16	**16**	30.5	257	72
3402-17	**17**	31.8	272	72
3402-18	**18**	33.2	287	72
3402-19	**19**	34.0	303	75



Ratchet combination wrench case

swivelling laterally stepless up to 180° for ratcheting even at badly accessible places. Locking knob for fixation of the angle

Estuche de llaves combinadas con carraca

oscilantes lateralmente sin escalonamiento hasta 180° para trabajar en sitios de muy difícil acceso. Botón de bloqueo para fijar el ángulo

Jogo de chaves boca-luneta com roquete em mala

angular e sem escala até 180° lateral para trabalhar em sítios de acesso limitado. Sistema de bloqueio para o ângulo

12 PCS

180°

COMPLETO

421 x 200 x 68 mm

***Option / *Opcionales* / Opção**

Art. 3691 ■ 1/4" x ⬢ 10 mm
Art. 3692 ■ 3/8" x ⬢ 13 mm
Art. 3693 ■ 1/2" x ⬢ 19 mm

Art. 2694 ○ 1/4" x ⬢ 10 mm

Art.	○ mm
4900-41K	8-9-10-11-12-13-14-15-16-17-18-19

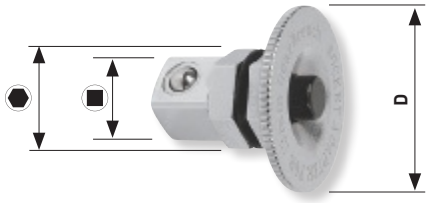
CLICKRAFT

Socket- and bit-adapter set

Juego de adaptador para llaves de vaso y portapuntas

Jogo de adaptadores para chaves de caixa e bits

1/4" 1/4"



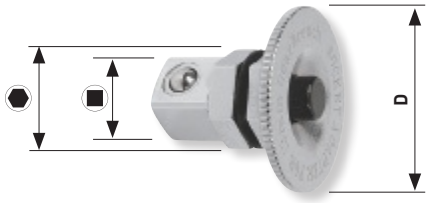
Art.	⬢ mm	■ + ○	D mm
3691	10	1/4" + 1/4"	20

3/8"

Socket adapter

Adaptador para llaves de vaso

Adaptador para chaves de caixa



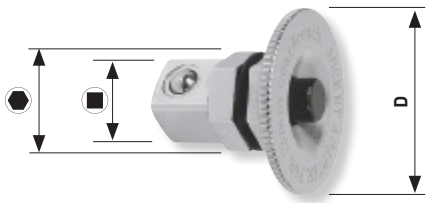
Art.	⬢ mm	■	D mm
3692	13	3/8"	25

1/2"

Socket adapter

Adaptador para llaves de vaso

Adaptador para chaves de caixa



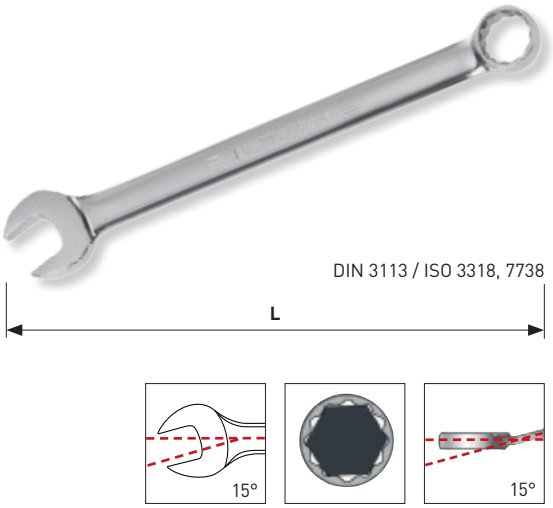
Art.	⬢ mm	■	D mm
3693	19	1/2"	35

Combination wrench
mirror polished

Llave combinada
pulido brillante

Chave de boca-luneta
polida

Art.	○ mm	L mm
3505	**5.5**	127
3506	**6**	127
3507	**7**	134
3508	**8**	140
3509	**9**	150
3510	**10**	159
3511	**11**	165
3512	**12**	172
3513	**13**	179
3514	**14**	191
3515	**15**	199
3516	**16**	206
3517	**17**	225
3518	**18**	235
3519	**19**	248
3520	**20**	272
3521	**21**	272
3522	**22**	291
3523	**23**	315
3524	**24**	315
3525	**25**	335
3526	**26**	335
3527	**27**	358
3528	**28**	402
3530	**30**	425
3532	**32**	425
3534	**34**	375
3536	**36**	395
3538	**38**	400
3541	**41**	435
3546M	**46**	485
3550M	**50**	525



Combination wrench set
mirror polished, with plastic carrying holder

Juego de llaves combinadas
pulido brillante, en petaca con asa de material plástico

Jogo de chaves de boca-luneta
polidas, com suporte plástico

10 PCS

Art.	○ mm
3556	8-9-10-11-12-13 14-15-17-19

Combination wrench set
mirror polished

Juego de llaves combinadas
pulido brillante

Jogo de chaves de boca-luneta
polidas

13 PCS

Art.	○ mm
3550	8-9-10-11-12-13-14 15-16-17-18-19-22

Combination wrench set
mirror polished

Juego de llaves combinadas
pulido brillante

Jogo de chaves de boca-luneta
polidas

18 PCS

Art.	○ mm
3557	5.5-6-7-8-9-10-11-12-13-14 15-16-17-18-19-20-21-22
3557R	5.5-6-7-8-9-10-11-12-13-14 15-16-17-18-19-20-21-22

Art. 3557

Art. 3557R

Canvas

540 x 420 mm

Double open-end wrench set
mirror polished

Juego de llaves fijas
pulido brillante

Jogo de chaves de bocas
polidas

CrV 10 PCS

Art. 3553

Art. 3553R

Canvas

Art.	mm
3553	6x7-8x9-10x11-12x13-14x15-16x17 18x19-21x22-24x27-30x32
3553R	6×7-8×9-10×11-12×13-14×15-16×17 18×19-21×22-24×27-30×32

Combination wrench set
mirror polished

Juego de llaves combinadas
pulido brillante

Jogo de chaves de boca-luneta
polidas

4 PCS

Art. 3558

Art. 3558R

Canvas

485 x 295 mm

Art.	mm
3558	24-27-30-32
3558R	24-27-30-32

Combination wrench set
mirror polished

Juego de llaves combinadas
pulido brillante

Jogo de chaves de boca-luneta
polidas

CrV

26 PCS

Art. 3554

Art. 3554R

Canvas

Art.	mm
3554	5.5-6-7-8-9-10-11-12-13-14-15-16-17-18-19 20-21-22-23-24-25-26-27-28-30-32
3554R	5.5-6-7-8-9-10-11-12-13-14-15-16-17-18-19 20-21-22-23-24-25-26-27-28-30-32

Combination wrench set
of **stainless** steel

Juego de llaves combinadas
*en acero **inoxidable***

Jogo de chaves de boca-luneta
em aço **inoxidável**

Art.	○ mm
3503-56	**8-10-11-12-13-14-15-17-19**

inox

9 PCS

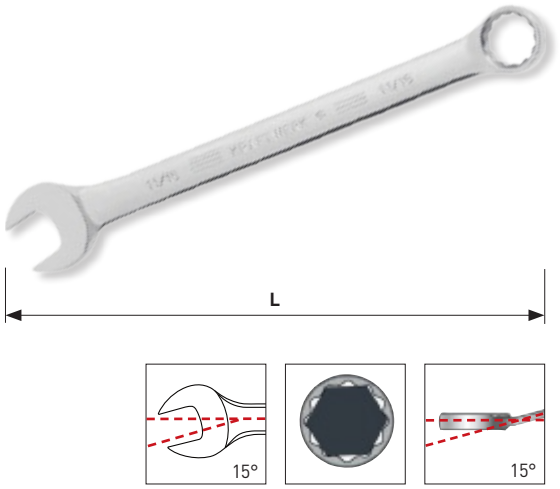
Inch combination wrench
mirror polished

Llave combinada pulgadas
pulido brillante

Chave de boca-luneta polegada
polida

inch

Art.	○ inch	L mm
3587	**1/4"**	126
3588	**5/16"**	139
3589	**3/8"**	160
3590	**7/16"**	166
3591	**1/2"**	178
3592	**9/16"**	190
3593	**5/8"**	208
3594	**11/16"**	226
3595	**3/4"**	250
3596	**13/16"**	271
3597	**7/8"**	294
3598	**15/16"**	314
3599	**1"**	335



Inch combination wrench set
mirror polished

Juego de llaves combinadas en pulgadas
pulido brillante

Jogo de chaves de boca-luneta polegadas
polidas

inch

11 PCS

Art. 3585

Art.	inch
3585	3/8"-7/16"-1/2"-9/16"-5/8"-11/16" 3/4"-13/16"-7/8"-15/16"-1"
3585R	3/8"-7/16"-1/2"-9/16"-5/8"-11/16" 3/4"-13/16"-7/8"-15/16"-1"

Art. 3585R

Canvas

485 x 400 mm

Inch combination wrench case
mirror polished, with 2 reversible ring ratchet wrenches 4-in-1

Estuche de llaves combinadas en pulgadas
pulido brillante, con 2 llaves poligonales dobles con carraca reversible 4-en-1

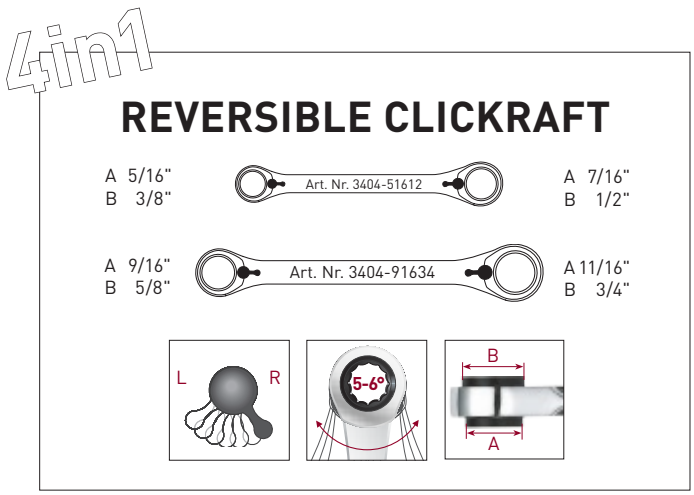
Mala de chaves de boca-luneta polegadas
polidas, com 2 chaves luneta com roquete reversível 4-em-1

inch

15 PCS

COMPLETO

402 x 173 x 48 mm



Art.	inch
4900-30K	1/4"-5/16"-3/8"-7/16"-1/2"-9/16"-5/8" 11/16"-3/4"-13/16"-7/8"-15/16"-1"

Double open end wrench
mirror polished

Llave fija
pulido brillante

Chave de bocas
polida

Art.	⬡ mm	L mm
3560	6 x 7	125
3561	8 x 9	137
3562	10 x 11	149
3551	10 x 13	162
3563	12 x 13	162
3564	14 x 15	188
3565	16 x 17	203
3552	17 x 19	227
3566	18 x 19	227
3567	21 x 22	252
3568	24 x 27	280
3569	30 x 32	310
3579	36 x 41	350
3583	46 x 50	440
3586	55 x 60	505

Double open end wrench set
mirror polished

Juego de llaves fijas
pulido brillante

Jogo de chaves de bocas
polidas

8 PCS

Art.	⬡ mm
3570	6x7-8x9-10x11-12x13-14x15 16x-17-18x19-21x22
3570R	6x7-8x9-10x11-12x13-14x15 16x-17-18x19-21x22

Art. 3570

Art. 3570R

Canvas

330 x 310 mm

Adjustable angle wrench
with scale

Llave ajustable
con escala

Chave crescente
com escala

Art.	○ mm	L mm / inch
2404	**0 - 14**	100 / 4"
2406	**0 - 20**	150 / 6"
2408	**0 - 25**	200 / 8"
2410	**0 - 30**	250 / 10"
2412	**0 - 35**	300 / 12"
2415	**0 - 45**	375 / 15"
2418	**0 - 55**	450 / 18"

DIN 3117 / ISO 6787

L

Adjustable angle wrench
with specially wide adjustable jaws, slim head with ground jaws and scale in millimeter/inch. Precise and smooth-running guide rail. Parkerized finish.

Llave ajustable
con apertura extra grande, cabeza fina con escala en mm/pulgadas. Precisión y flexibilidad en la separación de las mordazas. Acabado parquerizado.

Chave crescente
Com mandibulas especialmente longas, cabeça fina com mandibulas e escala em milimetros/polegada. Carril guia preciso e suave. Acabamento parkerizado.

CrV

HIGHTECH

L

Art.	○ mm	L mm / inch
47122	**0 - 27**	150 / 6"
47123	**0 - 34**	200 / 8"
47124	**0 - 36**	250 / 10"
47125	**0 - 45**	300 / 12"
47120	47122 + 47123 + 47124	

3 PCS

Art. 47120

Canvas

One for many – the Duo Quick universal wrench

with quick adjustment. Release the jaw with one easy pull on the knob. Push the jaw to the screw with the thumb – the jaw is firmly and accurate fixed to the millimeter/inch and shows the screw size on the metric and the inch scale. The Duo Quick wrench replaces every conventional metric or inch wrench up to 24 mm / 1 inch.

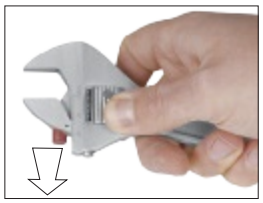
Uno para muchos – la llave universal Duo Quick

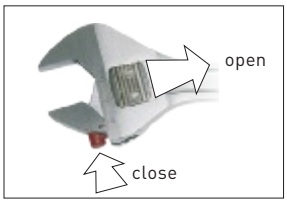
con ajuste rápido. Libera las bocas simplemente al tirar del botón. Empuje con el dedo pulgar la boca hasta la fijación firme del tornillo, indica la medida del tornillo en escala métrica/pulgada.
La llave Duo Quick reemplaza cualquier llave convencional métrica o en pulgada, hasta 24 mm / 1".

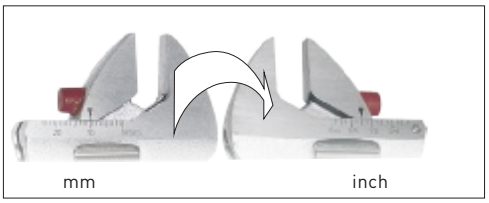
Uma para muitas – A chave crescente Duo Quick

com ajuste rápido. Liberte a maxila com um simples carregar de botão. Acerte a maxila com o parafuso – a maxila está firme e certa na escala de milimetros/polegadas, indicando assim a medida do parafuso na escala. A chave Duo Quick substitui qualquer chave crescente métrica ou polegadas até 24 mm / 1 polegada.

Art.	○ mm / inch	L mm / inch
3582	**0 - 26 / 0 - 1"**	200 / 8"







Adjustable ratchet angle wrench

for the fast tightening and loosening of 4-point and 6-point screws/ nuts without disengaging the wrench while working. Ratcheting on/off switch to select movable or fixed wrench head. Ergonomic 2-component handle.

Llave ajustable con carraca

para apretar o aflojar los tornillos de 4-6 puntos sin retirar la llave mientras se trabaja. Provisto de un sistema revolucionario para seleccionar cabeza de la llave fija o móvil. Mango ergonómico bimaterial.

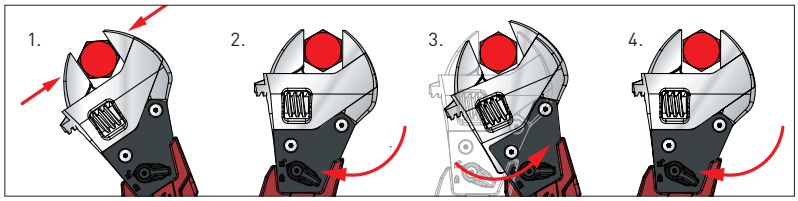
Chave crescente com roquete

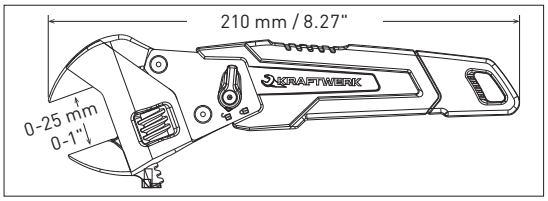
para apertar e desapertar parafusos com 4 e 6 lados sem retirar a chave. Com um sistema revolucionário para soltar a mandíbula. Punho ergonómico em bi-matéria.

CrMo

ERGOKRAFT

Art.	○ mm / inch	L mm / inch
3577	**0 - 25 / 0 - 1"**	210 / 8.27"





Double offset ring wrench
mirror polished

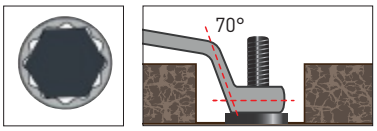
Llave estrella dos bocas
pulido brillante

Chave de luneta
polida

Art.	⬡ mm	L mm
3480	**6 x 7**	165
3481	**8 x 9**	180
3482	**10 x 11**	199
3483	**12 x 13**	218
3484	**14 x 15**	238
3485	**16 x 17**	262
3486	**18 x 19**	287
3487	**20 x 22**	317
3488	**21 x 23**	329
3489	**24 x 27**	346
3491	**30 x 32**	369
3492	**36 x 41**	460
3493	**46 x 50**	520
3494	**55 x 60**	620

CrV

DIN 838 / ISO 1085, 3318, 10104



Double offset ring wrench set
mirror polished

Juego de llaves estrella dos bocas
pulido brillante

Jogo de chaves luneta
polidas

Art.	⬡ mm
3497	**6x7-8x9-10x11-12x13-14x15 16x17-18x19-20x22**
3497R	**6x7-8x9-10x11-12x13-14x15 16x17-18x19-20x22**

8 PCS

Art. 3497

Art. 3497R

Canvas

450 x 390 mm

Double offset ring wrench set
mirror polished

Juego de llaves estrella dos bocas
pulido brillante

Jogo de chaves luneta
polidas

4 PCS

Art. 3498

Art. 3498R

Canvas

460 x 325 mm

Art.	○ mm
3498	21x23 - 24x27 - 25x28 - 30x32
3498R	21x23 - 24x27 - 25x28 - 30x32

Double offset ring wrench case
mirror polished

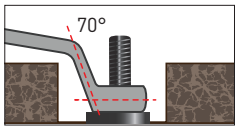
Estuche de llaves estrella dos bocas
pulido brillante

Mala de chaves luneta
polidas

11 PCS

COMPLETO

421 x 200 x 68 mm



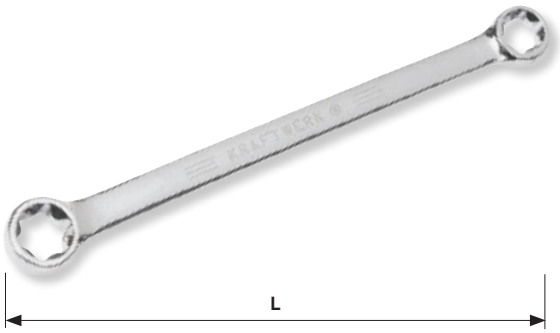
Art.	○ mm
4900-15K	6x7-8x9-10x11-12x13-14x15-16x17 18x19-20x22-21x23-24x27-30x32

External TX double ring wrench
flat, mirror polished

Llave de estrella doble TX exterior
recta, pulido brillante

Chave de luneta TX exterior
direita, polida

Art.	E	L mm
3546	E6 x E8	112
3547	E10 x E12	140
3548	E14 x E18	180
3549	E20 x E24	223



External TX double ring wrench set
flat, mirror polished

Juego de llaves de estrella doble TX exterior
rectas, pulido brillante

Jogo de chaves de luneta TX exterior
direitas, polidas

4 PCS

Art.	⭘ E
3545	E6xE8 - E10xE12 - E14xE18 - E20xE24

Flare nut wrench
mirror polished

Llave para racores
pulido brillante

Chave de luneta aberta
polida

Art.	○ mm	○ inch	L mm
3580-00	9 x 11		173
3580-01	10 x 12		175
3580-02	13 x 14		208
3580-03	15 x 17		245
3580-04		3/8" x 7/16"	173
3580-05		1/2" x 9/16"	208
3580-06		5/8" x 11/16"	250

Flare nut wrench set
mirror polished

Juego de llaves para racores
pulido brillante

Jogo de chaves de luneta aberta
polidas

7 PCS

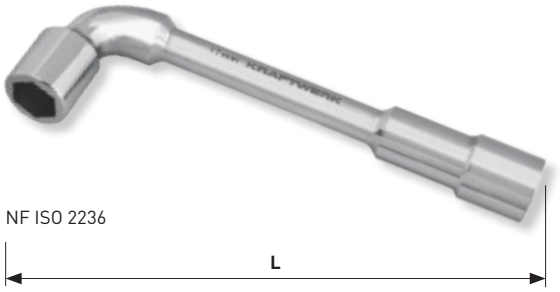
Art.	○ mm / inch
3580	9x11 - 10x12 - 13x14 - 15x17 3/8"x7/16" - 1/2"x9/16" - 5/8"x11/16"

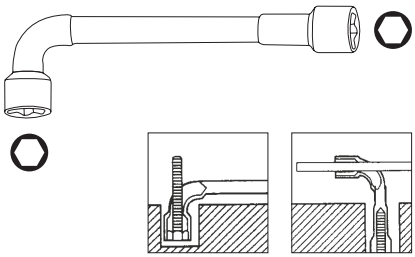
Elbow milled angle socket wrench 6 x 6 point
mirror polished

Llave de pipa abierta 6 x 6
pulido brillante

Chave de cachimbo aberta 6 x 6
polida

Art.	⬡ mm	L ± mm
2597-06	**6**	102 ± 3
2597-07	**7**	106 ± 3
2597-08	**8**	114 ± 3
2597-09	**9**	122 ± 3
2597-10	**10**	129 ± 3
2597-11	**11**	136 ± 3
2597-12	**12**	144 ± 4
2597-13	**13**	152 ± 4
2597-14	**14**	160 ± 4
2597-15	**15**	169 ± 4
2597-16	**16**	178 ± 4
2597-17	**17**	187 ± 4
2597-18	**18**	195 ± 4
2597-19	**19**	204 ± 4
2597-20	**20**	212 ± 4
2597-21	**21**	221 ± 5
2597-22	**22**	230 ± 5
2597-23	**23**	240 ± 5
2597-24	**24**	250 ± 5
2597-25	**25**	260 ± 5
2597-26	**26**	270 ± 5
2597-27	**27**	280 ± 5
2597-28	**28**	290 ± 5
2597-29	**29**	300 ± 5
2597-30	**30**	310 ± 5
2597-32	**32**	330 ± 5



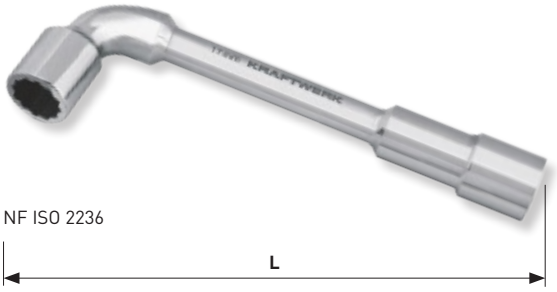


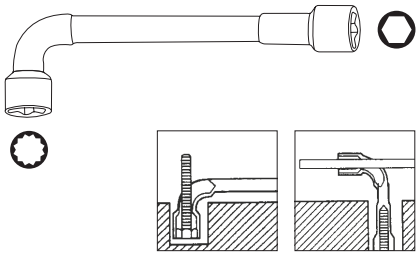
Elbow milled angle socket wrench 12 x 6 point
mirror polished

Llave de pipa abierta 12 x 6
pulido brillante

Chave de cachimbo aberta 12 x 6
polida

Art.	⬡ mm	L ± mm
2598-06	**6**	102 ± 3
2598-07	**7**	106 ± 3
2598-08	**8**	114 ± 3
2598-09	**9**	122 ± 3
2598-10	**10**	129 ± 3
2598-11	**11**	136 ± 3
2598-12	**12**	144 ± 4
2598-13	**13**	152 ± 4
2598-14	**14**	160 ± 4
2598-15	**15**	169 ± 4
2598-16	**16**	178 ± 4
2598-17	**17**	187 ± 4
2598-18	**18**	195 ± 4
2598-19	**19**	204 ± 4
2598-20	**20**	212 ± 4
2598-21	**21**	221 ± 5
2598-22	**22**	230 ± 5
2598-23	**23**	240 ± 5
2598-24	**24**	250 ± 5
2598-25	**25**	260 ± 5
2598-26	**26**	270 ± 5
2598-27	**27**	280 ± 5
2598-28	**28**	290 ± 5
2598-29	**29**	300 ± 5
2598-30	**30**	310 ± 5
2598-32	**32**	330 ± 5
2598-34	**34**	350 ± 5

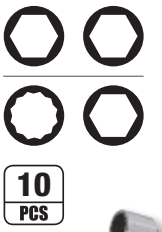




Elbow milled angle socket wrench set
mirror polished

Juego de llaves de pipa abiertas
pulido brillante

Jogo de chaves de cachimbo abertas
polidas

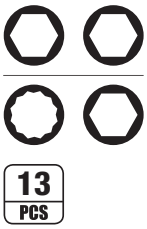


Art.			mm
2597-99	○	○	8-10-11-12-13-14-16-17-18-19
2598-99	○	○	8-10-11-12-13-14-16-17-18-19

Elbow milled open socket wrench case
mirror polished

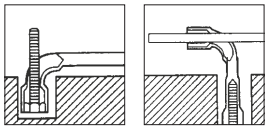
Estuche de llaves de pipa abiertas
pulido brillante

Mala de chaves de cachimbo abertas
polidas



COMPLETO

421 x 200 x 68 mm



Art.			mm
4900-48K	○	○	8-9-10-11-12-13-14-15 16-17-18-19-22
4900-18K	○	○	8-9-10-11-12-13-14-15 16-17-18-19-22

Double flexible socket wrench
mirror polished

Llave de vaso doble articulada
pulido brillante

Chave de caixa articulada
polida

Art.	○ mm	L mm
2590-0809	8 x 9	176
2590-1011	10 x 11	200
2590-1213	12 x 13	216
2590-1415	14 x 15	240
2590-1617	16 x 17	255
2590-1819	18 x 19	270

Double flexible wrench for sockets
mirror polished

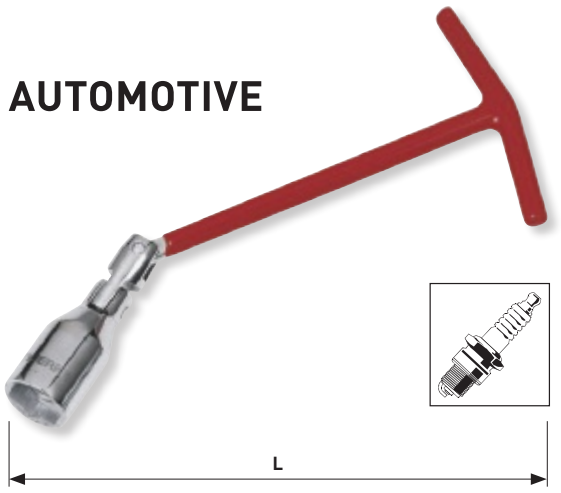
Llave doble articulada para llaves de vaso
pulido brillante

Chave dupla articulada para chaves de caixa
polida

Art.	■	L mm
2590-3814	**1/4" x 3/8"**	255

Universal joint spark plug wrench
Llave de bujía articulada
Chave de velas articulada

Art.	○ mm	L mm
2591-16	**16**	240
2591-21	**21**	245

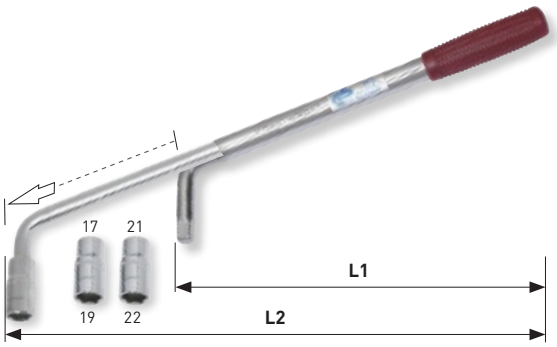


L-type wheel wrench with double socket
extensible

Llave ruedas en L con llave de vaso doble
extensible

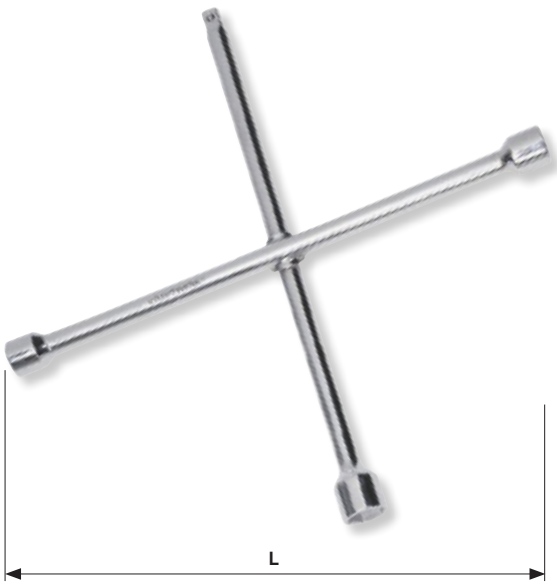
Chave de rodas tipo L com chave dupla
extensível

Art.	○ mm	L 1 mm	L 2 mm
2585-1719	**17 x 19**	365	525
2585-1721	**21 x 22**	365	525



Cross rim wrench
Llave ruedas cruz
Chave de rodas em cruz

Art.	○ mm	■	L mm
2585-12	**17-19-22**	**1/2"**	375
2585-34	**24-27-32**	**3/4"**	625



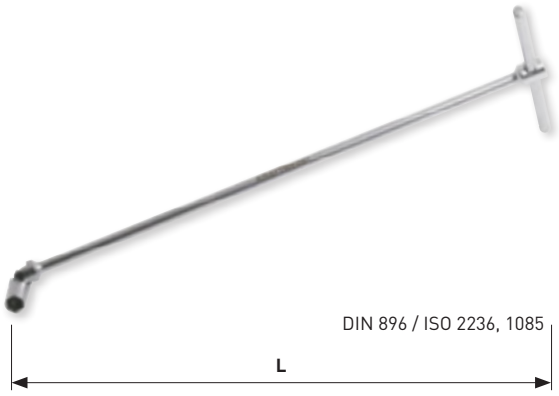
T-type universal socket
extra long

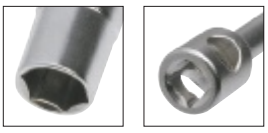
Llave de vaso en T muletilla
extra larga

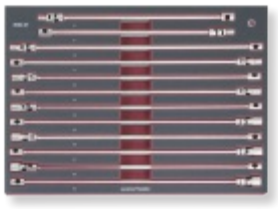
Chave de caixa cabo em "T"
extra longa

XXL

Art.	⬡ mm	L mm
2592-08	8	390
2592-09	9	390
2592-10	10	495
2592-11	11	495
2592-12	12	495
2592-13	13	495
2592-14	14	495
2592-15	15	495
2592-16	16	495
2592-17	17	495
2592-18	18	495
2592-19	19	495







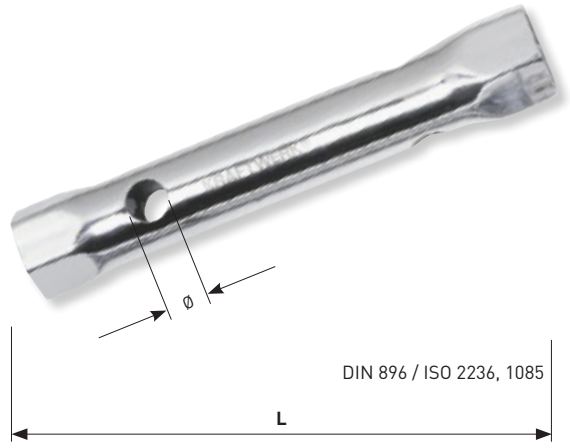
Art. 4902-07
95

Double end tubular socket wrench
light serie

Llave de tubo de dos bocas
serie ligera

Chave de tubos direita
série ligeira

Art.	⬡ mm	Ø mm	L mm
2589-0607	6 x 7	5	108
2589-0809	8 x 9	5	110
2589-1011	10 x 11	5	122
2589-1213	12 x 13	5	142
2589-1415	14 x 15	8	143
2589-1617	16 x 17	10	146
2589-1819	18 x 19	10	158
2589-2022	20 x 22	10	175
2589-2123	21 x 23	12	175
2589-2427	24 x 27	12	185
2589-2528	25 x 28	12	190
2589-3032	30 x 32	12	205



Double end tubular socket wrench set
light serie

Juego de llaves de tubo de dos bocas
serie ligera

Jogo de chaves de tubos direita
série ligeira

9 PCS

Art.	mm	Ø mm
2589-01	**6x7-8x9-10x11-12x13 14x15-16x17-18x19-20x22**	5-8-10

Canvas

325 x 240 mm

Double end tubular socket wrench set
light serie

Juego de llaves de tubo de dos bocas
serie ligera

Jogo de chaves de tubos direita
série ligeira

6 PCS

Art.	mm	Ø mm
2589-02	**21x23 - 24x27 - 25x28 - 30x32**	12+14

Canvas

370 x 345 mm

Stepped tommy bar
for double end tubular socket wrenches

Pasador
para llaves de tubo de dos bocas

Barra T escalonada
para chaves de tubos direita

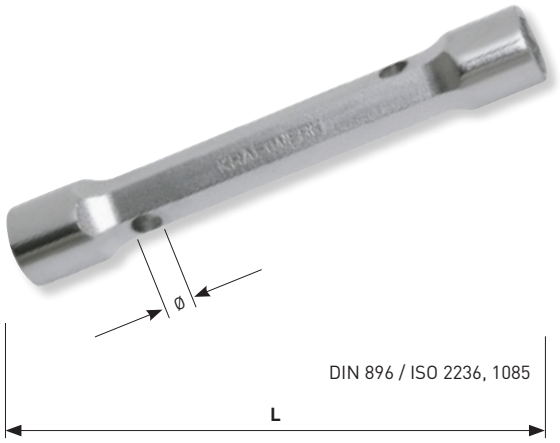
Art.	Ø mm	L mm
2599-3457	**3.5 - 4.5 - 5.5 - 7.5**	165
2589-5810	**5 - 8 - 10**	190
2599-1012	**10 - 12**	210

Double end tubular socket wrench
heavy duty serie, made by CNC-machining

Llave de tubo de dos bocas
serie fuerte, fabricada con precisión CNC

Chave de tubos direita
série maciça, fabricada com precisão CNC

Art.	⬡ mm	Ø mm	L mm
2599-0607	**6 x 7**	3.5	105
2599-0809	**8 x 9**	3.5	110
2599-1011	**10 x 11**	4.5	120
2599-1213	**12 x 13**	5.5	138
2599-1415	**14 x 15**	5.5	145
2599-1617	**16 x 17**	8	152
2599-1819	**18 x 19**	8	162
2599-2022	**20 x 22**	10	175
2599-2123	**21 x 23**	10	185
2599-2427	**24 x 27**	12	195
2599-2528	**25 x 28**	12	205
2599-3032	**30 x 32**	12	210



Double end tubular socket wrench set
heavy duty serie, made by CNC-machining

Juego de llaves de tubo de dos bocas
serie fuerte, fabricada con precisión CNC

Jogo de chaves de tubos direita
série maciça, fabricada com precisão CNC

Art.	⬡ mm	Ø mm
2599-01	**6x7-8x9-10x11-12x13 14x15-16x17-18x19-20x22**	5-8-10

9 PCS

Canvas

325 x 240 mm

Double end tubular socket wrench set
heavy duty serie, made by CNC-machining

Juego de llaves de tubo de dos bocas
serie fuerte, fabricada con precisión CNC

Jogo de chaves de tubos direita
série maciça, fabricada com precisão CNC

6 PCS

Art.	⬡ mm	Ø mm
2599-02	**21x23 - 24x27 - 25x28 - 30x32**	10+12

Canvas

370 x 345 mm

Ring ratchet wrench set for tubes
Juego de llaves poligonales con carraca para racores
Jogo de chaves luneta com roquete para racores

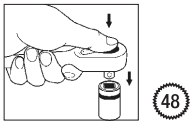
CrMo 8 PCS

Art.
2586

Canvas

Reversible ratchet head
Cabeza carraca reversible
Cabeça de roquete reservível

Art.	■
3584-U14	**1/4"**
3584-U38	**3/8"**

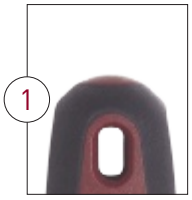


Your notes / *Sus notas* / Suas notas

CHAPTER
CAPÍTULO
CAPÍTULO

4

ergonomic **powerful**
*ergonómico **fuerte***
ergonômico **forte**



Round, smooth handle-head for frictionless gliding in the hand.

Extremo del mango redondeado y liso que evita el roce con la palma de la mano.

Extremidade do cabo arredondado e polido que evita a fricção com a palma da mão.

Large oval hole for comfortable hanging-up at a tool wall.

Orificio ovalado para colgar.

O furo ovalizado permite deixar a chave de fenda pendurada.

Ergonomical handle of two components material.

Mango ergonómico bimaterial.

Cabo ergonómico composto por dois materiais.

Finger-recessed surface and sliding protected shape.

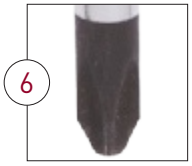
Endidura para dedos, forma antideslizante.

Concavidade para dedos e forma anti-deslizante.

S2-steel for professional continous use.

Acero S2 para uso profesional de larga duración.

Aço S2 para uso continuo profissional.



Precise tip in accordance with DIN/ISO-specifications.

Punta precisa en conformidad con las normas DIN/ISO.

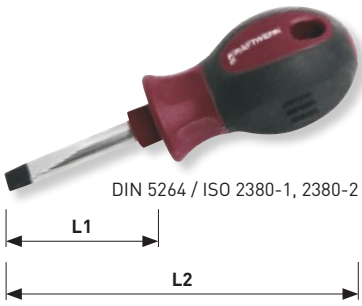
Ponta de precisão em conformidade com as normas DIN/ISO.

Screwdriver for slotted screws
Destornillador para tornillos de ranura
Chave de fenda

Art.	mm	mm	L1 mm	L2 mm
4110-1	**0.6**	**3**	75	150
4110-2	**0.8**	**4**	100	180
4110-3	**1.0**	**5**	100	205
4110-4	**1.1**	**6**	150	255
4110-5	**1.2**	**8**	150	265
4110-6	**1.6**	**10**	200	315

Stubby screwdriver for slotted screws
Destornillador extracorto para tornillos de ranura
Coto chave de fenda

Art.	mm	mm	L1 mm	L2 mm
4112-2	**1.1**	**6**	38	93

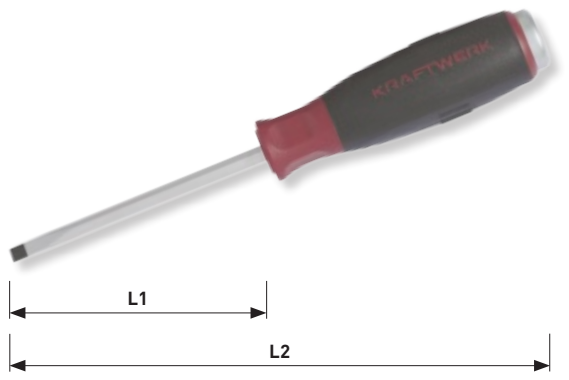


Impact screwdriver
for slotted screws. Go-through blade and striking cap on the handle. Special solid, impact-resistant black-point tip, hexagon blade and multi-components power form handle for highest torque and best ergonomy.

Destornillador de golpeo
para tornillos de ranura. Hoja integrada en el mango. Punto de golpe sólido y resistente, hoja hexagonal y mango multicomponentes para mayor fuerza y ergonomía.

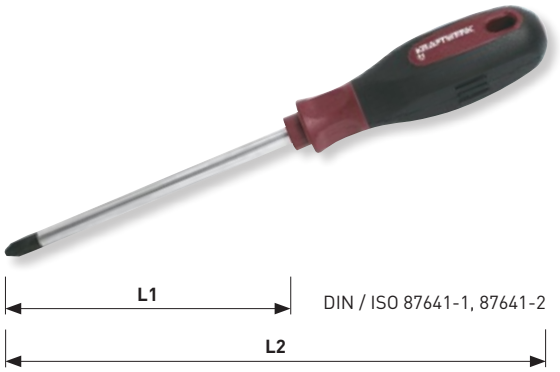
Chave de fenda de impacto
Lâmina completa com batente no cabo para impacto. Sólido, resistencia ao impacto com ponta negra. Lâmina hexagonal e multicomponentes no cabo para um torque maior e melhor ergonomia.

Art.	mm	mm	L1 mm	L2 mm
4140-3	**1.0**	**5.5**	100	209
4140-4	**1.2**	**6.5**	125	233
4140-5	**1.4**	**8.0**	150	268
4140-6	**1.5**	**10.0**	175	295



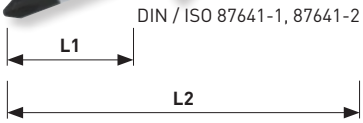
Screwdriver for Phillips screws
Destornillador para tornillos Phillips
Chave Phillips

Art.	✚	L1 mm	L2 mm
4115-0	**PH 0**	75	150
4115-1	**PH 1**	75	178
4115-2	**PH 2**	100	205
4115-3	**PH 3**	150	265



Stubby screwdriver for Phillips screws
Destornillador extracorto para tornillos Phillips
Coto chave Phillips

Art.	✚	L1 mm	L2 mm
4117-2	**PH 2**	38	93

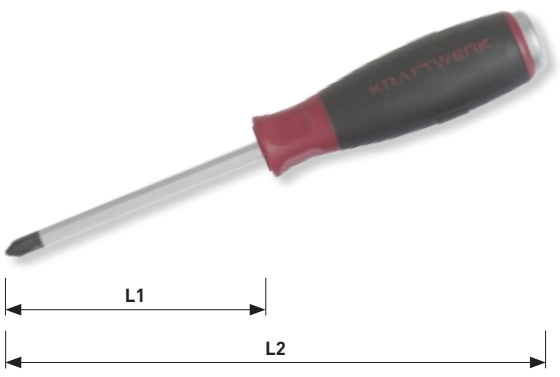


Impact screwdriver
for Phillips screws. Go-through blade and striking cap on the handle. Special solid, impact-resistant black-point tip, hexagon blade and multi-components power form handle for highest torque and best ergonomy.

Destornillador de golpeo
para tornillos Phillips. Hoja integrada en el mango. Punto de golpe sólido y resistente, hoja hexagonal y mango multicomponentes para mayor fuerza y ergonomía.

Chave Phillips de impacto
Lâmina completa com batente no cabo para impacto. Sólido, resistencia ao impacto com ponta negra. Lâmina hexagonal e multi-componentes no cabo para um torque maior e melhor ergonomia.

Art.	✚	L1 mm	L2 mm
4145-1	**PH 1**	75	185
4145-2	**PH 2**	100	209



Screwdriver for Pozidriv screws
Destornillador para tornillos Pozidriv
Chave Pozidriv

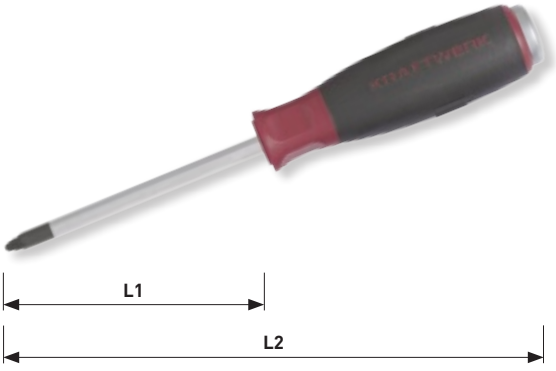
Art.		L1 mm	L2 mm
4120-0	**PZ 0**	75	150
4120-1	**PZ 1**	75	178
4120-2	**PZ 2**	100	205
4120-3	**PZ 3**	150	265

Impact screwdriver
for Pozidriv screws. Go-through blade and striking cap on the handle. Special solid, impact-resistant black-point tip, hexagon blade and multi-components power form handle for highest torque and best ergonomy.

Destornillador de golpeo
para tornillos Pozidriv. Hoja integrada en el mango. Punto de golpe sólido y resistente, hoja hexagonal y mango multicomponentes para mayor fuerza y ergonomía.

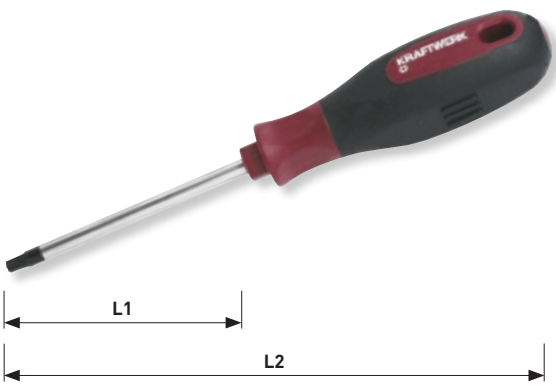
Chave Pozidriv de impacto
Lâmina completa com batente no cabo para impacto. Sólido, resistencia ao impacto com ponta negra. Lâmina hexagonal e multi-componentes no cabo para um torque maior e melhor ergonomia.

Art.		L1 mm	L2 mm
4150-1	**PZ 1**	75	185
4150-2	**PZ 2**	100	209



Screwdriver for TX screws
Destornillador para tornillos TX
Chave TX

Art.		mm	L1 mm	L2 mm
4125-08	**T8**	2.3	75	153
4125-10	**T10**	2.7	100	205
4125-15	**T15**	3.3	100	205
4125-20	**T20**	3.8	100	205
4125-25	**T25**	4.4	100	205
4125-27	**T27**	5.0	100	205
4125-30	**T30**	5.5	100	205
4125-40	**T40**	6.6	100	205



Screwdriver for TX screws
with bore hole at the tip, for normal TX screws and tamperproof TX screws

Destornillador para tornillos TX
con punta perforada, para tornillos con y sin punta de seguridad

Chave TX
com furo, para parafusos normais e de segurança

S2 quality

Art.		mm	L1 mm	L2 mm
4126-08	**T8**	2.3	75	153
4126-10	**T10**	2.7	100	205
4126-15	**T15**	3.3	100	205
4126-20	**T20**	3.8	100	205
4126-25	**T25**	4.4	100	205
4126-27	**T27**	5.0	100	205
4126-30	**T30**	5.5	100	205
4126-40	**T40**	6.6	100	205

Screwdriver set
for slotted and Phillips screws

Juego de destornilladores
para tornillos de ranura y Phillips

Jogo de chaves
de parafuso fenda e Phillips

Art. 4110-1 0.6 x 3 mm
Art. 4110-2 0.8 x 4 mm
Art. 4110-3 1.0 x 5 mm

Art. 4115-1 PH 1
Art. 4115-2 PH 2

S2 quality 5 PCS

Art.
4162

Screwdriver set
for slotted and Pozidriv screws

Juego de destornilladores
para tornillos de ranura y Pozidriv

Jogo de chaves
de parafuso fenda e Pozidriv

Art. 4110-1	0.6 x 3 mm
Art. 4110-2	0.8 x 4 mm
Art. 4110-3	1.0 x 5 mm

Art. 4120-1	PZ 1
Art. 4120-2	PZ 2

Art.
4163

Screwdriver set
for slotted and Phillips screws

Juego de destornilladores
para tornillos de ranura y Phillips

Jogo de chaves
de parafuso fenda e Phillips

Art. 4110-1	0.6 x 3 mm
Art. 4110-2	0.8 x 4 mm
Art. 4110-3	1.0 x 5 mm
Art. 4110-4	1.1 x 6 mm
Art. 4110-5	1.2 x 8 mm

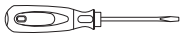
Art. 4115-1	PH 1
Art. 4115-2	PH 2

Art.
4160

Screwdriver set
for slotted and Pozidriv screws

Juego de destornilladores
para tornillos de ranura y Pozidriv

Jogo de chaves
de parafuso fenda e Pozidriv



Art. 4110-1	0.6 x 3 mm
Art. 4110-2	0.8 x 4 mm
Art. 4110-3	1.0 x 5 mm
Art. 4110-4	1.1 x 6 mm
Art. 4110-5	1.2 x 8 mm

Art. 4120-1	PZ 1
Art. 4120-2	PZ 2

Art.
4161

Screwdriver set
for TX screws

Juego de destornilladores
para tornillos TX

Jogo de chaves
de parafuso TX

Art. 4125-08	T8
Art. 4125-10	T10
Art. 4125-15	T15
Art. 4125-20	T20
Art. 4125-25	T25
Art. 4125-27	T27
Art. 4125-30	T30
Art. 4125-40	T40

Art.
4165

Screwdriver set
with bore hole at the tip, for normal TX screws and tamperproof TX screws

Juego de destornilladores
con punta perforada, para tornillos TX con y sin punta de seguridad

Jogo de chaves de parafuso
com furo, para parafusos TX e de segurança

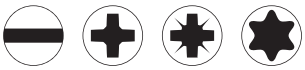
Art. 4126-08	T8
Art. 4126-10	T10
Art. 4126-15	T15
Art. 4126-20	T20
Art. 4126-25	T25
Art. 4126-27	T27
Art. 4126-30	T30
Art. 4126-40	T40

Art.
4166

Universal screwdriver-/bit case
for slotted, Phillips, Pozidriv and TX screws

Estuche de destornilladores/puntas
para tornillos de ranura, Phillips, Pozidriv y TX

Mala de chaves de parafuso e bits
para parafusos de fenda, Phillips, Pozidriv e TX



Art. 4110-1	0.6 x 3 mm
Art. 4110-2	0.8 x 4 mm
Art. 4110-3	1.0 x 5 mm
Art. 4110-4	1.1 x 6 mm
Art. 4110-5	1.2 x 8 mm
Art. 4110-6	1.6 x 10 mm
Art. 4112-2	1.1 x 6 mm
Art. 4115-0	PH 0
Art. 4115-1	PH 1
Art. 4115-2	PH 2
Art. 4115-3	PH 3
Art. 4117-2	PH 2
Art. 4120-0	PZ 0
Art. 4120-1	PZ 1
Art. 4120-2	PZ 2
Art. 4120-3	PZ 3
Art. 4128	1/4"
	T10-T15-T20-T25-T27-T30-T40

380 x 250 x 72 mm

Art.
4168

Screwdriver case
for slotted and Phillips screws

Estuche de destornilladores
para tornillos de ranura y Phillips

Mala de chaves
de parafuso fenda e Phillips

Art. 4110-1	0.6 x 3 mm
Art. 4110-2	0.8 x 4 mm
Art. 4110-3	1.0 x 5 mm
Art. 4110-4	1.1 x 6 mm
Art. 4110-5	1.2 x 8 mm
Art. 4112-2	1.1 x 6 mm
Art. 4115-1	PH 1
Art. 4115-2	PH 2
Art. 4117-2	PH 2
Art. 2138	100-250V
Art. 2139	12V

421 x 200 x 68 mm

Art.
4900-04K

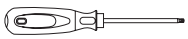
Screwdriver case
for TX screws and little slotted and Phillips screws

Estuche de destornilladores
para tornillos TX y para tornillos pequeños de ranura y Phillips

Mala de chaves
de parafuso TX e para parafusos pequenos fenda e Phillips

COMPLETO

S2 quality · 14 PCS



Art. 4125-08	T8
Art. 4125-10	T10
Art. 4125-15	T15
Art. 4125-20	T20
Art. 4125-25	T25
Art. 4125-27	T27
Art. 4125-30	T30
Art. 4125-40	T40

Art. 3177-20	0.45 x 2.0 mm
Art. 3177-24	0.5 x 2.4 mm
Art. 3177-30	0.6 x 3.0 mm
Art. 3177-35	0.65 x 3.5 mm

Art. 3177-0	PH 0
Art. 3177-1	PH 1

421 x 200 x 68 mm

Art.
4900-05K

Impact screwdriver case
for slotted, Phillips and Pozidriv screws
- go-through blade and striking cap on the handle
- special solid, impact-resistant black-point tip
- hexagon blade
- Multi-components power form handle for highest torque and best ergonomy

Bandeja de destornilladores de golpeo
para tornillos de ranura, Phillips y Pozidriv
- *hoja integrada en el mango*
- *punto de golpe sólido y resistente*
- *hoja hexagonal*
- *mango multicomponentes para mayor fuerza y ergonomía*

Mala de chaves de parafusos de impacto
para parafuso fenda, Phillips e Pozidriv
- lâmina completa com batente no cabo para impacto
- Sólido, resistente ao impacto com ponta negra
- lâmina hexagonal
- multi-componentes no cabo para um torque maior e melhor ergonomia

COMPLETO

S2 quality · 8 PCS

402 x 173 x 48 mm

Art. 4140-3	5.5	× 100 mm	5.5 mm
Art. 4140-4	6.5	× 125 mm	6.5 mm
Art. 4140-5	8.0	× 150 mm	8.0 mm
Art. 4140-6	10.0	× 175 mm	10.0 mm

Art. 4145-1	PH1	× 75 mm	5.0 mm
Art. 4145-2	PH2	× 100 mm	6.0 mm

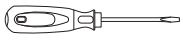
Art. 4150-1	PZ1	× 75 mm	5.0 mm
Art. 4150-2	PZ2	× 100 mm	6.0 mm

Art.
4900-54K

Screwdriver set
of **stainless** steel, for slotted, Phillips and Pozidriv screws

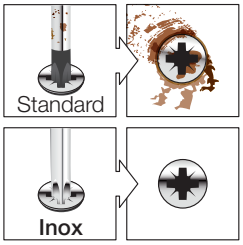
Juego de destornilladores
*en acero **inoxidable,** para tornillos de ranura, Phillips y Pozidriv*

Jogo de chaves de parafuso
em aço **inoxidável,** para parafuso fenda, Phillips e Pozidriv


0.6 x 3 mm
1.0 x 5 mm
1.1 x 6 mm
1.2 x 8 mm

PH 1-2

PZ 1-2



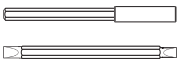
Art.
4170

ERGOKRAFT

Reversible ratchet blade screwdriver set
with 8 double end blades (= 16 screwdrivers) and blade with bit-adapter. Variable blade-length setting 50 - 150 mm.

Juego de destornilladores reversibles con carraca
con 8 hojas reversibles (=16 destornilladores) y hoja adaptador para puntas. Largo variable de la hoja: 50 a 150 mm.

Jogo de chaves de parafusos com roquete reversível
com 8 lâminas reversíveis (= 16 chaves de fenda) e lâmina com adaptador para bits. Comprimento variável de lâmina 50-150 mm.


1/4" 175 mm

2 4-6 mm

2 PH 1-2

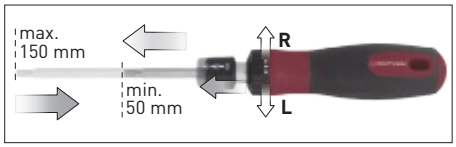
2 PZ 1-2

6 T10-T15-T20-T25-T30-T40

4 3-4-5-6 mm

Art.	L mm
4135	175

205 × 115 × 50 mm



Screwdriver-/bit case
for slotted and Phillips screws and many little screws

Juego de destornilladores/puntas
para tornillos de ranura y Phillips y muchos pequeños tornillos

Jogo de chaves de parafuso e bits
para parafusos de fenda e Phillips e muitos parafusos pequenos

4 0.6 × 3 - 0.8 × 4 - 1.0 × 5 -1.1 × 6 mm

2 PH 1-2

4 mm

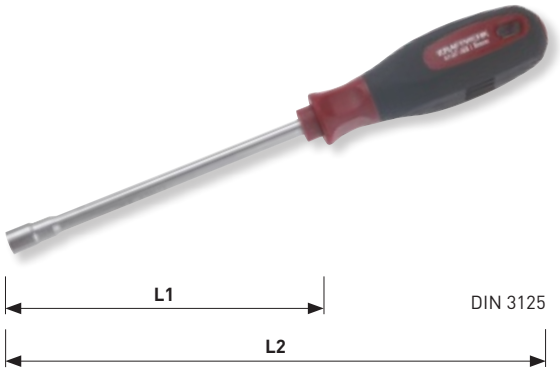
Art.
4164

Hexagon nut spinner
Destornillador stecker
Chave de caixa sextavada com punho

CrV

ERGOKRAFT

Art.	mm	L1 mm	L2 mm
4127-055	5.5	150	255
4127-06	6	150	255
4127-07	7	150	255
4127-08	8	150	265
4127-10	10	150	265
4127-11	11	150	265
4127-12	12	150	265
4127-13	13	150	265



Hexagon nut spinner case
Estuche de destornilladores stecker
Mala de chaves de caixa sextavada com punho

COMPLETO

CrV 8 PCS

421 x 200 x 68 mm

Art. 4127-055	5.5 mm
Art. 4127-06	6 mm
Art. 4127-07	7 mm
Art. 4127-08	8 mm
Art. 4127-10	10 mm
Art. 4127-11	11 mm
Art. 4127-12	12 mm
Art. 4127-13	13 mm

Art.
4900-31K

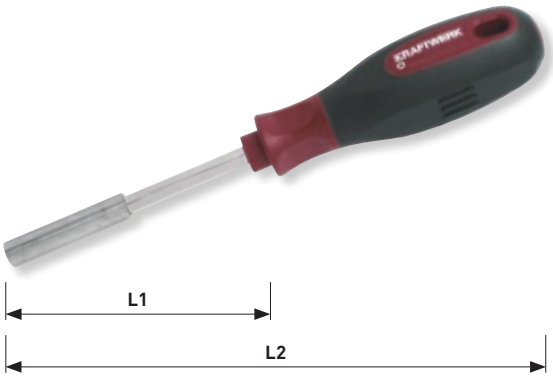
Bit-driver
magnetic

Destornillador portapuntas
magnético

Chave de parafuso porta-bits
magnética

ERGOKRAFT

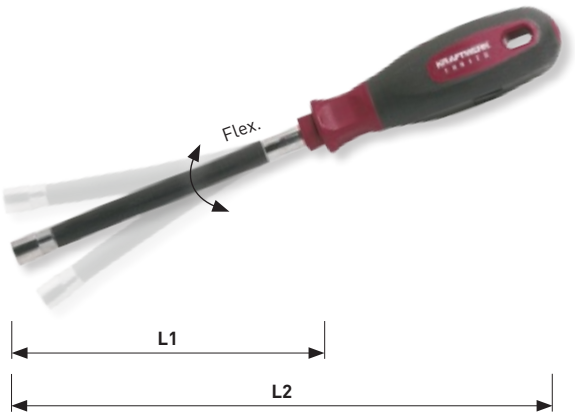
Art.	⬡	L1 mm	L2 mm
4128	1/4"	100	205
4130	5/16"	100	205



Flexible hexagon nut spinner
Llave de vaso con mango destornillador flexible
Chave de caixa sextavada flexível com punho

ERGOKRAFT

Art.	⬡ mm	L1 mm	L2 mm
109060	6	158	270
109070	7	158	270
109080	8	158	270
109090	9	176	292
109100	10	176	292
109110	11	176	292

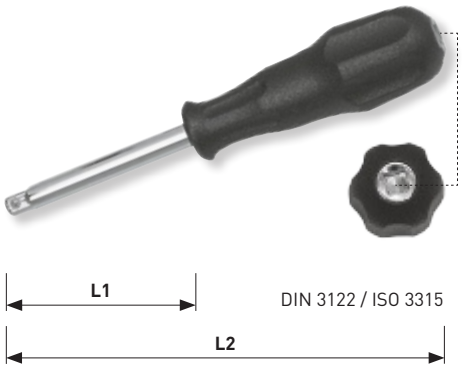


Spinner handle
with 1/4" square drive in end of handle

Mango atornillador
con cuadradillo interior 1/4" en el extremo del mango

Extensão com punho
com quadrado interior 1/4" na extremidade do punho

Art.	■	L1 mm	L2 mm
109150	1/4"	70	150



DIN 3122 / ISO 3315

Bi-material spinner handle
with 1/4" square drive in end of handle

Mango atornillador bimaterial
con cuadradillo interior 1/4" en el extremo del mango

Extensão com punho bimaterial
com quadrado interior 1/4" na extremidade do punho

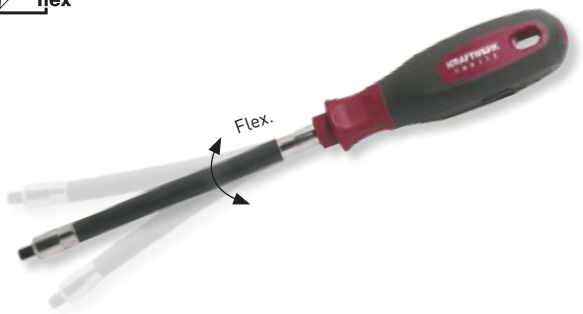
ERGOKRAFT

DIN 3122 / ISO 3315

Art.	■	L1 mm	L2 mm
109151	1/4"	51	153

Bi-material flexible spinner handle
Mango atornillador flexible bimaterial
Chave de punho flexível bimaterial

ERGOKRAFT



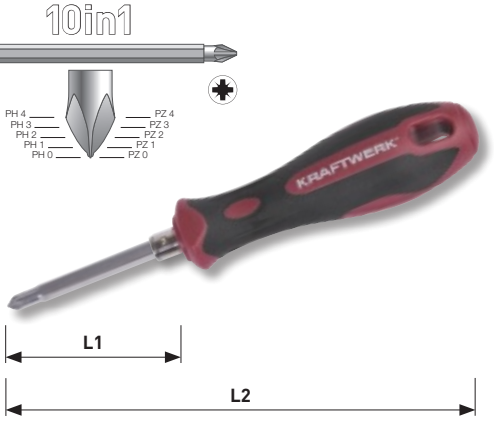
Art.	■	L1 mm	L2 mm
109175	1/4"	158	270

10 in 1 universal cross recess screwdriver
for PH + PZ Nos 0-1-2-3-4 with double-sided blade for Phillips screws on one side and Pozidriv screws on the other side.

Destornillador universal cruciforme 10 en 1
PH+PZ, no. 0-1-2-3-4, varilla extraíble para tornillos PH en una parte y PZ en la otra.

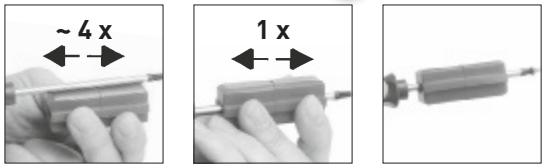
10 em 1 chave de cruz universal
para PH + PZ Nrº 0-1-2-3-4 com lâmina dupla de um lado Philips e do outro lado Pozidriv.

ERGOKRAFT



Art.	✚ ✚	L1 mm	L2 mm
4132	PH 0-1-2-3-4 PZ 0-1-2-3-4	103	215

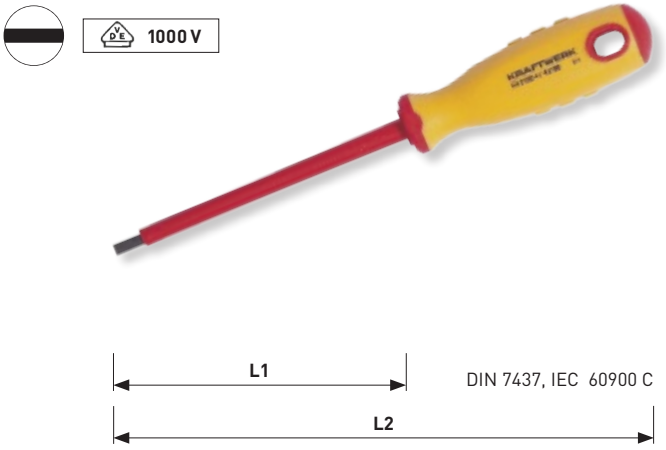
Magnetic converter for screwdrivers
Magnetizador para destornilladores
Magnetizador para chaves de parafusos



U - U + U ++

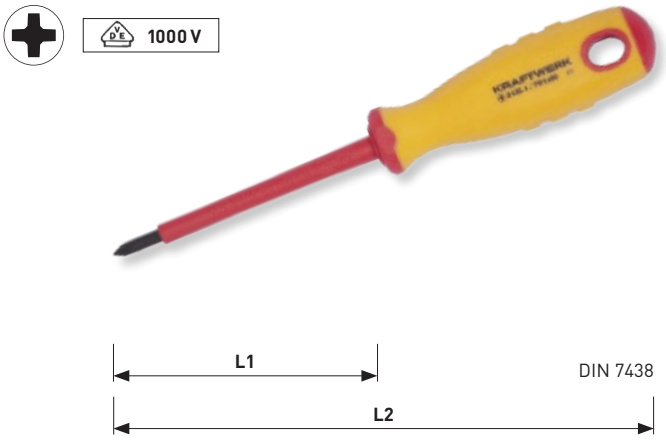
Art.
2187

Electrician-screwdriver for slotted screws
Destornillador aislado para electricista para tornillos de ranura
Chave de fenda isolada para electricista



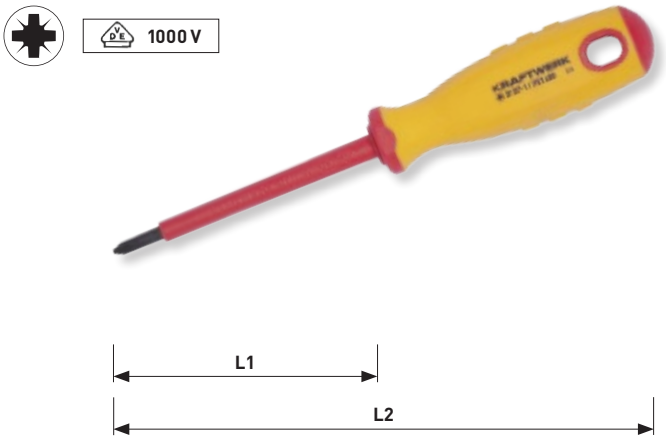
Art.	mm	mm	L1 mm	L2 mm
3132-1	**0.4**	**2.5**	75	155
3132-2	**0.8**	**3.0**	100	180
3132-3	**1.0**	**3.5**	100	180
3132-4	**1.2**	**4.0**	100	180

Electrician-screwdriver for Phillips screws
Destornillador aislado para electricista para tornillos Phillips
Chave isolada Phillips para electricista



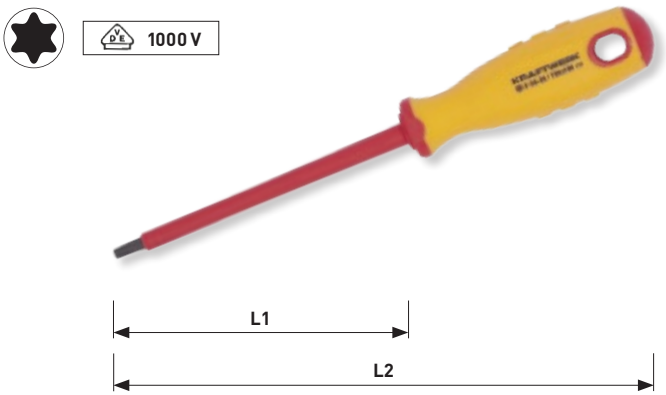
Art.		L1 mm	L2 mm
3135-0	**PH 0**	60	140
3135-1	**PH 1**	80	160
3135-2	**PH 2**	100	205

Electrician-screwdriver for Pozidriv screws
Destornillador aislado para electricista para tornillos Pozidriv
Chave isolada Pozidriv para electricista



Art.		L1 mm	L2 mm
3137-0	**PZ 0**	60	140
3137-1	**PZ 1**	80	160
3137-2	**PZ 2**	100	205

Electrician-screwdriver for TX screws
Destornillador aislado para electricista para tornillos TX
Chave isolada TX para electricista

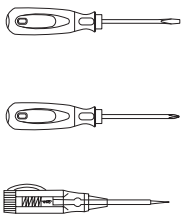


Art.		mm	L1 mm	L2 mm
3133-15	**T15**	3.3	100	180
3133-20	**T20**	3.8	100	180

Electrician-screwdriver-set
for slotted and Phillips screws

Juego de destornilladores aislados para electricista
para tornillos de ranura y Phillips

Jogo de chaves de parafuso
fenda e Phillips isoladas para electricista

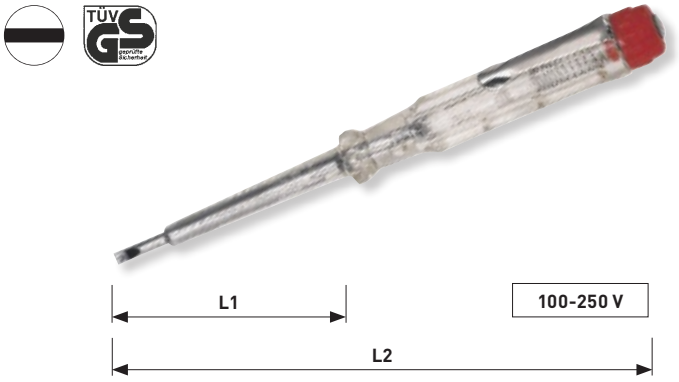


Art. 3132-1	2.5 x 75 mm
Art. 3132-4	4.0 x 100 mm
Art. 3132-5	5.5 x 125 mm
Art. 3132-6	6.5 x 150 mm
Art. 3135-0	PH 0 x 60 mm
Art. 3135-1	PH 1 x 80 mm
Art. 3135-2	PH 2 x 100 mm
Art. 2138	100-250 V

Art.
3157

Voltage tester 100-250 V
Detector voltaje 100-250 V
Chave busca-polos 100-250 V

Art.	mm	L1 mm	L2 mm
2138	3	60	140



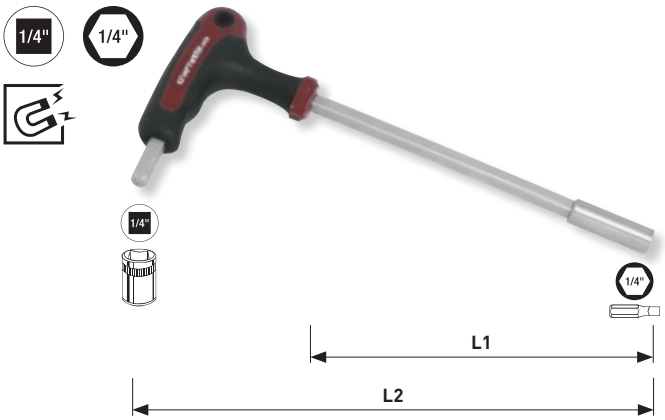
Voltage tester 12 V
Detector voltaje 12 V
Chave busca-polos 12 V

Art.
2139

T-handle bit-driver
magnetic

Destornillador portapuntas con mango T
magnético

Chave T de parafuso com porta-bits
magnética



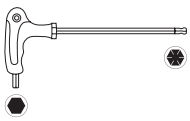
Art.	L1 mm	L2 mm
3634	150	210

Ballpoint hexagon T-handle screwdriver
Destornillador hexagonal acodado con cabeza esférica y mango T
Chave em "T" sextavada interior com ponta esférica

Art.	mm	L1 mm	L2 mm
3636-2	2	100	145
3636-2.5	2.5	100	145
3636-3	3	100	140
3636-4	4	150	195
3636-5	5	150	210
3636-6	6	150	210
3636-7	7	150	210
3636-8	8	200	260
3636-10	10	200	280
3636-12	12	200	280

Ballpoint hexagon T-handle screwdriver case
Estuche de destornilladores hexagonales acodados con cabeza esférica y mango T
Mala de chaves em "T" sextavadas interior com ponta esférica

COMPLETO



Art. 3636-3 3 mm
Art. 3636-4 4 mm
Art. 3636-5 5 mm
Art. 3636-6 6 mm
Art. 3636-7 7 mm
Art. 3636-8 8 mm
Art. 3636-10 10 mm

Art.
4900-25K

TX T-handle screwdriver

with bore hole at the short tip, for normal TX screws and tamperproof TX screws

Destornillador TX con mango T

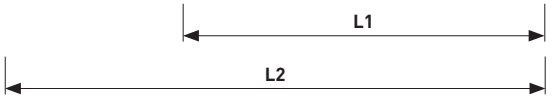
con punta corta perforada, para tornillos con y sin punta de seguridad

Chave em "T" TX

com furo na ponta curta, para parafusos com e sem ponta de segurança

S2 quality

Art.		mm	L1 mm	L2 mm
3637-10	**T10**	2.7	100	145
3637-15	**T15**	3.3	100	145
3637-20	**T20**	3.8	100	145
3637-25	**T25**	4.4	150	210
3637-27	**T27**	5.0	150	210
3637-30	**T30**	5.5	150	210
3637-40	**T40**	6.6	200	260
3637-45	**T45**	7.82	200	260
3637-50	**T50**	8.83	200	280
3637-55	**T55**	11.22	200	280



TX T-handle screwdriver case

with bore hole at the short tip, for normal TX screws and tamperproof TX screws

Estuche de destornilladores TX con mango T

con punta corta perforada, para tornillos con y sin punta de seguridad

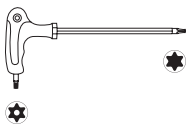
Mala de chaves em "T" TX

com furo em ponta curta, para parafusos com e sem ponta de segurança

S2 quality — 7 PCS

COMPLETO

421 x 200 x 68 mm

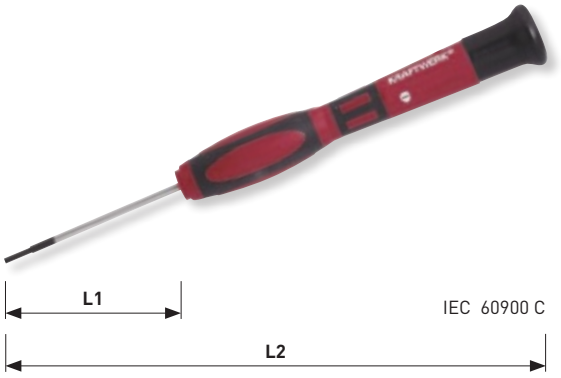


Art. 3637-10 T10
Art. 3637-15 T15
Art. 3637-20 T20
Art. 3637-25 T25
Art. 3637-27 T27
Art. 3637-30 T30
Art. 3637-40 T40

Art.
4900-26K

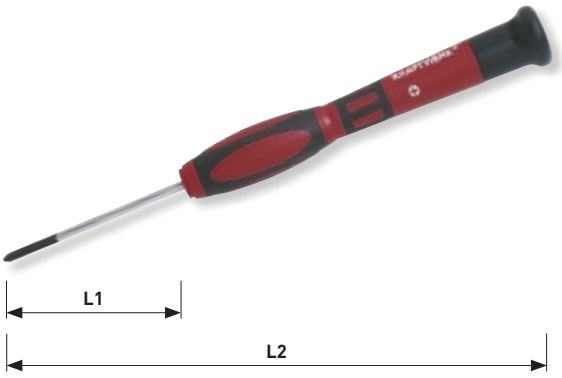
Precision screwdriver for slotted screws
Destornillador de precisión para tornillos de ranura
Chave de precisão fenda

Art.	mm	mm	L1 mm	L2 mm
3177-15	**0.4**	**1.5**	50	150
3177-20	**0.45**	**2.0**	50	150
3177-24	**0.5**	**2.4**	50	150
3177-30	**0.6**	**3.0**	50	150
3177-35	**0.65**	**3.5**	50	150
3177-40	**0.8**	**4.0**	50	150



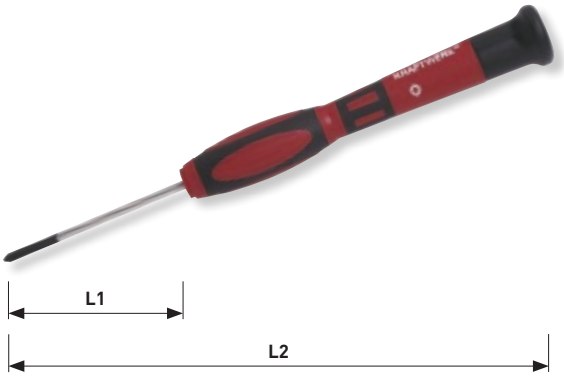
Precision screwdriver for Phillips screws
Destornillador de precisión para tornillos Phillips
Chave de precisão Phillips

Art.		L1 mm	L2 mm
3177-00	**PH 00**	50	150
3177-0	**PH 0**	50	150
3177-1	**PH 1**	50	150



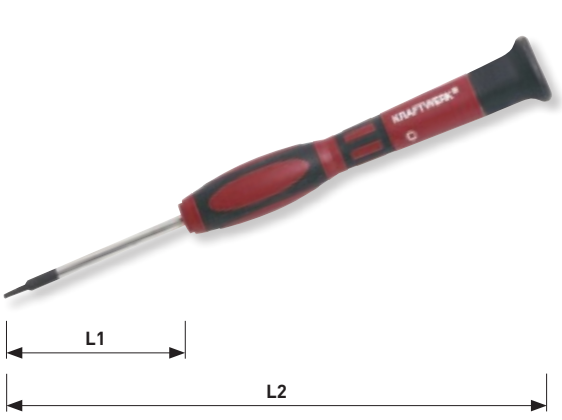
Precision screwdriver for Pozidriv screws
Destornillador de precisión para tornillos Pozidriv
Chave de precisão Pozidriv

Art.		L1 mm	L2 mm
3178-0	**PZ 0**	50	150
3178-1	**PZ 1**	50	150



Precision screwdriver for TX screws
Destornillador de precisión para tornillos TX
Chave de precisão TX

Art.		mm	L1 mm	L2 mm
3178-05	**T5**	1.42	50	150
3178-06	**T6**	1.7	50	150
3178-07	**T7**	1.99	50	150
3178-08	**T8**	2.3	50	150

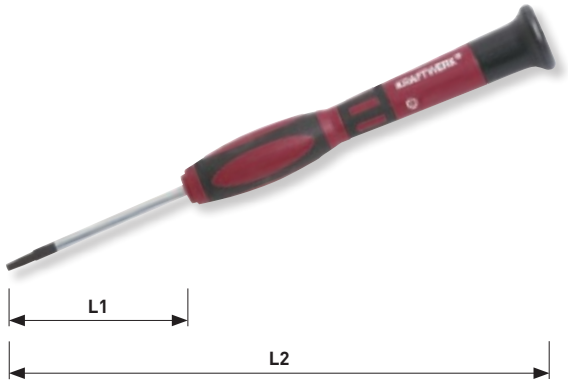


Precision screwdriver for TX screws
with bore hole at the short tip, for normal TX screws and tamperproof TX screws

Destornillador de precisión para tornillos TX
con punta perforada, para tornillos con y sin punta de seguridad

Chave de precisão TX
com furo na ponta, para parafusos com e sem ponta de segurança

Art.		mm	L1 mm	L2 mm
3178-09	T9	2.5	50	150
3178-10	T10	2.7	50	150
3178-15	T15	3.3	50	150
3178-20	T20	3.8	50	150



Precision screwdriver set
for slotted and Phillips screws

Juego de destornilladores de precisión
para tornillos de ranura y Phillips

Jogo de chaves de precisão
de parafuso fenda e Phillips

8 PCS

- Art. 3177-20 0.45 x 2.0 mm
- Art. 3177-24 0.50 x 2.4 mm
- Art. 3177-30 0.60 x 3.0 mm
- Art. 3177-35 0.65 x 3.5 mm
- Art. 3177-40 0.80 x 4.0 mm
- Art. 3177-00 PH 00
- Art. 3177-0 PH 0
- Art. 3177-1 PH 1

Art.
3177

Precision screwdriver set
for TX screws

Juego de destornilladores de precisión
para tornillos TX

Jogo de chaves de precisão
de parafuso TX

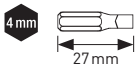
8 PCS

- Art. 3178-05 T 5
- Art. 3178-06 T 6
- Art. 3178-07 T 7
- Art. 3178-08 T 8
- Art. 3179-09 T 9
- Art. 3179-10 T 10
- Art. 3179-15 T 15
- Art. 3179-20 T 20

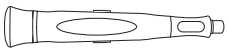
Art.
3178

Universal precision bit-driver set
Juego universal de puntas y portapuntas de precisión
Jogo universal de bits de precisão

4 mm



5	1.5-2-2.5-3-4 mm
3	PH000-PH00-PH0
2	PZ00-PZ0
4	T4-T5-T6-T7
3	T8-T9-T10-T15
3	1.5-2-2.5 mm
1	4.0 x 95 mm



CrV 22 PCS

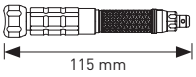
105 x 70 x 35 mm

Art.
3180

Universal precision bit-driver set
with extra long bits
Juego universal de puntas y portapuntas de precisión
con puntas extra largas
Jogo universal de bits de precisão
com bits extra longas

4 mm

5	0.8-1.0-1.5-2.0-3.0 mm
4	PH 000-00-0-1
3	T3-T4-T5
5	T6-T8-T9-T10-T15
6	0.7-0.9-1.3-1.5-2.0-2.5 mm



4 mm

CrV 24 PCS

178 x 89 x 35 mm

Art.
3181

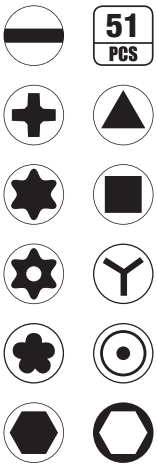
Electronics-/precision tool set
Practical and compact tool-set for all electronic works (incl. mobile phones, computer). In zipper case.
Juego de herramientas de precisión para electrónica
Gama de herramientas prácticas y compactas para todo tipo de trabajos electrónicos (incluyendo móviles, ordenadores). En estuche con cremallera.
Conjunto de precisão/electrónica
Conjunto prático e compacto de ferramenta para trabalhos de electrónica (computadores, etc.). Em caixa com fecho.

4 mm

5	1.0-1.5-2.0-2.5-3.0 mm
4	PH 000-00-0-1
3	T3-T4-T5
6	T6-T7-T8-T9-T10-T15
3	P2-P5-P6
6	0.9-1.3-1.5-2.0-2.5-3.0 mm
4	1.6-2.0-2.2-2.3 mm
2	No. 0-1
2	No. 0-1
1	0.8 mm
6	2.5-3.0-3.5-4.0-4.5-5.0 mm

4 mm

51 PCS



195 x 105 x 35 mm

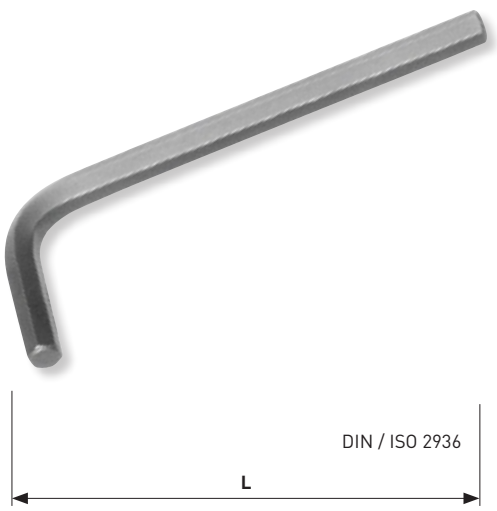
Art.
3182

Offset hexagon key wrench
mat chromed

Llave hexagonal macho acodada
cromada satinada

Chave em "L" sextavada interior
cromada mate

Art.	⬢ mm	L mm
3601-1.5	**1.5**	46.0
3601-2	**2.0**	52.0
3601-2.5	**2.5**	58.5
3601-3	**3.0**	66.0
3601-4	**4.0**	74.0
3601-5	**5.0**	84.0
3601-6	**6.0**	95.0
3601-8	**8.0**	108.0
3601-10	**10.0**	121.0



Offset hexagon key wrench set
mat chromed

Juego de llaves hexagonales macho acodadas
cromadas satinadas

Jogo de chaves em "L" sextavada interior
cromadas mate

9 PCS

DIN / ISO 2936

Art.	⬢ mm
3601	**1.5-2-2.5-3-4-5-6-8-10**

Offset hexagon key wrench set
made of **stainless** steel

Juego de llaves hexagonales macho acodadas
*en acero **inoxidable***

Jogo de chaves em "L" sextavada interior
em aço **inoxidável**

inox 9 PCS

DIN / ISO 2936

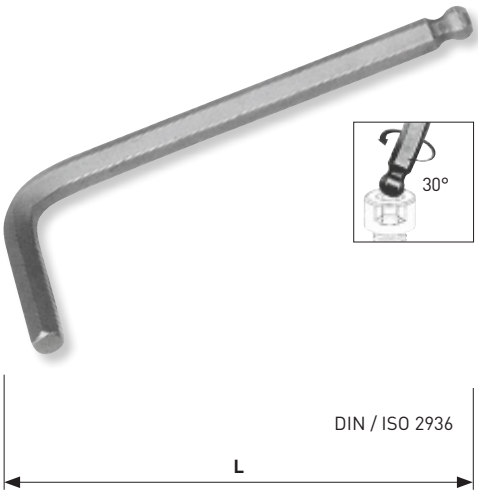
Art.	⬢ mm
3641	**1.5-2-2.5-3-4-5-6-8-10**

Offset ballpoint hexagon key wrench
long, polished and mat chromed

Llave hexagonal macho acodada con bola
larga, *pulida y cromada satinado mate*

Chave em "L" sextavada interior com ponta esférica
longa, polida e cromada mate

S2 quality



Art.	mm	L mm
3602-1.5	**1.5**	63.5
3602-2	**2.0**	77.0
3602-2.5	**2.5**	87.5
3602-3	**3.0**	93.0
3602-4	**4.0**	104.0
3602-5	**5.0**	120.0
3602-6	**6.0**	141.0
3602-7	**7.0**	147.0
3602-8	**8.0**	158.0
3602-10	**10.0**	180.0

Offset ballpoint hexagon key wrench set
long, polished and mat chromed

Juego de llaves hexagonales macho acodadas con bola
largas, *pulidas y cromadas satinado mate*

Jogo de chaves em "L" sextavada interior com ponta esférica
longas, polidas e cromadas mate

S2 quality 10 PCS

DIN / ISO 2936

Art.	mm
3602	**1.5-2-2.5-3-4-5-6-7-8-10**

Offset ballpoint hexagon key wrench set
long, made of **stainless** steel

Juego de llaves hexagonales macho acodadas con bola
largas, *en acero* ***inoxidable***

Jogo de chaves em "L" sextavada interior com ponta esférica
longas, em aço ***inoxidável***

inox 9 PCS

DIN / ISO 2936

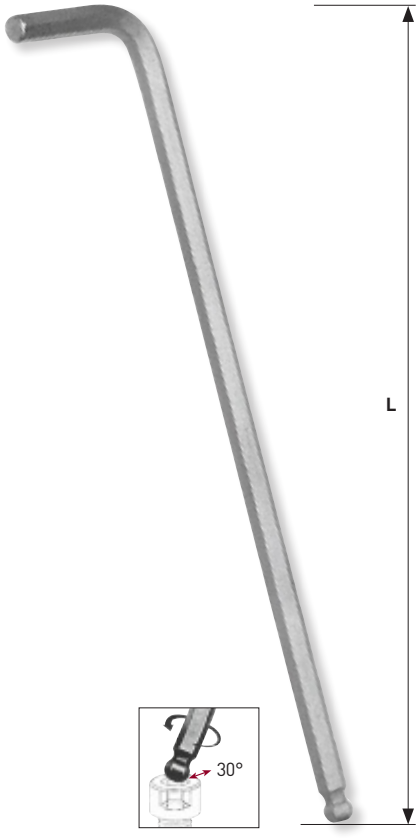
Art.	mm
3642	**1.5-2-2.5-3-4-5-6-8-10**

Offset ballpoint hexagon key wrench
extra long, polished and mat chromed

Llave hexagonal macho acodada con bola
extra larga, *pulida y cromada satinado mate*

Chave em "L" sextavada interior com ponta esférica
extra longa, polida e cromada mate

CrV XXL



DIN / ISO 2936

Art.	mm	L mm
3604-1.5	**1.5**	91.5
3604-2	**2.0**	102.0
3604-2.5	**2.5**	114.5
3604-3	**3.0**	129.0
3604-4	**4.0**	144.0
3604-5	**5.0**	165.0
3604-6	**6.0**	186.0
3604-7	**7.0**	197.0
3604-8	**8.0**	208.0
3604-10	**10.0**	234.0
3606-12	**12.0**	260.0
3606-14	**14.0**	294.0
3606-17	**17.0**	337.0
3606-19	**19.0**	360.0

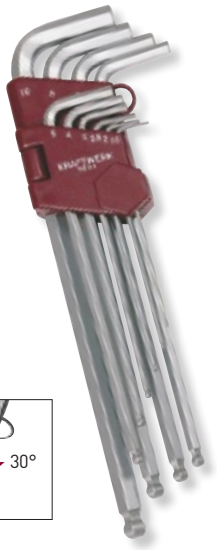
Offset ballpoint hexagon key wrench set
extra long, polished and mat chromed

Juego de llaves hexagonales macho acodadas con bola
extra largas, *pulidas y cromadas satinado mate*

Jogo de chaves em "L" sextavada interior com ponta esférica
extra longas, polidas e cromadas mate

S2 quality · XXL · 10 PCS

DIN / ISO 2936



Art.	mm
3604	1.5-2-2.5-3-4-5-6-7-8-10

Offset ballpoint hexagon key wrench case
extra long, mat chromed

Estuche de llaves hexagonales macho acodadas con bola
extra largas, *cromadas satinado mate*

Mala de chaves em "L" sextavada interior com ponta esférica
extra longas, cromadas mate

CrV · XXL · 10 PCS

DIN / ISO 2936

360 x 185 x 52 mm

Art.	mm
3606	3-4-5-6-7-8-10-12-14-17

Inch offset ballpoint hexagon key wrench
extra long, polished and mat chromed

Llave hexagonal macho acodada con bola pulgada
extra larga, *pulida y cromada satinado mate*

Chave em "L" sextavada interior com ponta esférica polegada
extra longa, polida e cromada mate

inch · S2 quality · XXL

Art.	inch	L mm
3603-1/16	1/16"	92
3603-5/64	5/64"	100
3603-3/32	3/32"	114
3603-1/8	1/8"	130
3603-5/32	5/32"	142
3603-3/16	3/16"	165
3603-1/4	1/4"	185
3603-5/16	5/16"	208
3603-3/8	3/8"	235

Inch offset ballpoint hexagon key wrench set
extra long, polished and mat chromed

Juego de llaves hexagonales macho acodadas con bola pulgadas
extra largas, *pulidas y cromadas satinado mate*

Jogo de chaves em "L" sextavada interior com ponta esférica polegadas
extra longas, polidas e cromadas mate

Art.	inch
3603	1/16"-5/64"-3/32"-1/8"-5/32" 3/16"-1/4"-5/16"-3/8"

Offset key wrench for TX screws
mat chromed

Llave macho acodada para tornillos TX
cromada satinado mate

Chave em "L" TX
cromada mate

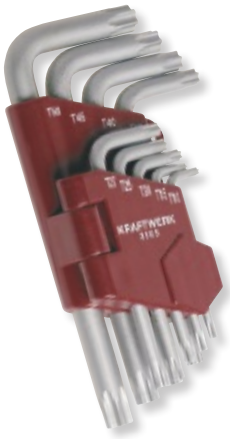
Art.		mm	L mm
3605-10	T10	2.7	50
3605-15	T15	3.3	55
3605-20	T20	3.8	60
3605-25	T25	4.4	68
3605-27	T27	5.0	75
3605-30	T30	5.5	85
3605-40	T40	6.6	95
3605-45	T45	7.82	110
3605-50	T50	8.83	120

Offset key wrench set for TX screws
mat chromed

Juego de llaves macho acodadas para tornillos TX
cromadas satinado mate

Jogo de chaves em "L" TX
cromadas mate

Art.	
3605	T10-T15-T20-T25-T27 T30-T40-T45-T50



Offset key wrench for TX screws
extra long, polished and mat chromed

Llave macho acodada para tornillos TX
extra larga, *pulida y cromada satinado mate*

Chave em "L" TX
extra longa, polida e cromada mate

Art.		mm	L mm
3607-10	**T10**	2.7	93
3607-15	**T15**	3.3	104
3607-20	**T20**	3.8	116
3607-25	**T25**	4.4	131
3607-27	**T27**	5.0	145
3607-30	**T30**	5.5	166
3607-40	**T40**	6.6	187
3607-45	**T45**	7.82	209
3607-50	**T50**	8.83	235

Offset key wrench set for TX screws
extra long, polished and mat chromed

Juego de llaves macho acodadas para tornillos TX
extra largas, *pulidas y cromadas satinado mate*

Jogo de chaves em "L" TX
extra longas, polidas e cromadas mate

Art.	
3607	**T10-T15-T20-T25-T27 T30-T40-T45-T50**

Offset ballpoint key wrench for TX screws
long, polished and mat chromed

Llave macho acodada con bola para tornillos TX
larga, *pulida y cromada satinado mate*

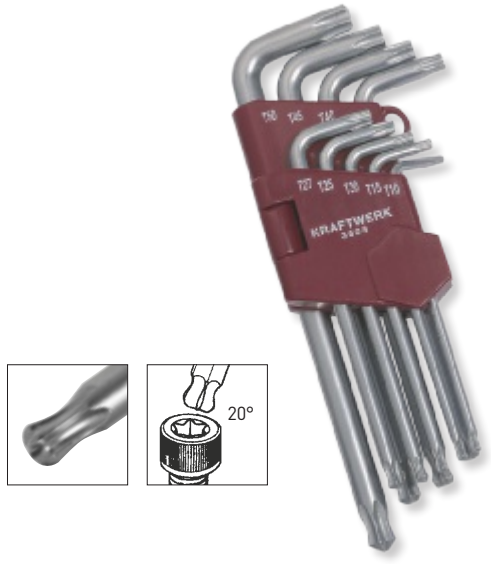
Chave em "L" TX com ponta esférica
longa, polida e cromada mate

Art.		mm	L mm
3608-10	**T10**	2.7	87
3608-15	**T15**	3.3	92
3608-20	**T20**	3.8	96
3608-25	**T25**	4.4	102
3608-27	**T27**	5.0	110
3608-30	**T30**	5.5	118
3608-40	**T40**	6.6	130
3608-45	**T45**	7.82	137
3608-50	**T50**	8.83	160

Offset ballpoint key wrench set for TX screws
long, polished and mat chromed

Juego de llaves macho acodadas con bola para tornillos TX
largas, *pulidas y cromadas satinado mate*

Jogo de chaves em "L" TX com ponta esférica
longas, polidas e cromadas mate



Art.	
3608	**T10-T15-T20-T25-T27 T30-T40-T45-T50**

Offset key wrench for TX screws

with bore hole at the tip, for normal TX screws and tamperproof TX screws **extra long,** polished and mat chromed

Llave macho acodada para tornillos TX

con punta perforada, para tornillos TX con y sin punta de seguridad ***extra larga,*** *pulida y cromada satinado mate*

Chave em "L" TX

com furo na ponta, para parafusos com e sem ponta de segurança **extra longa,** polida e cromada mate

Art.		mm	L mm
3609-10	**T10**	2.7	93
3609-15	**T15**	3.3	104
3609-20	**T20**	3.8	116
3609-25	**T25**	4.4	131
3609-27	**T27**	5.0	145
3609-30	**T30**	5.5	166
3609-40	**T40**	6.6	187
3609-45	**T45**	7.82	209
3609-50	**T50**	8.83	235

Offset key wrench set for TX screws

with bore hole at the tip, for normal TX screws and tamperproof TX screws **extra long,** polished and mat chromed

Juego de llaves macho acodadas para tornillos TX

con punta perforada, para tornillos TX con y sin punta de seguridad ***extra largas,*** *pulidas y cromadas satinado mate*

Jogo de chaves em "L" TX

com furo na ponta, para parafusos com e sem ponta de segurança **extra longas,** polidas e cromadas mate

Art.	
3609	**T10-T15-T20-T25-T27 T30-T40-T45-T50**

Offset key wrench set for TX screws

with bore hole at the tip, for normal TX screws and tamperproof TX screws **extra short,** polished and mat chromed

Juego de llaves macho acodadas para tornillos TX

con punta perforada, para tornillos TX con y sin punta de seguridad ***extra cortas,*** *pulidas y cromadas satinado mate*

Jogo de chaves em "L" TX

com furo na ponta, para parafusos com e sem ponta de segurança **extra curtas,** polidas e cromadas mate

Art.	
3609S	**T10-T15-T20-T25-T27-T30-T40**

Offset key wrench set for TX screws
with bore hole at the tip, for normal TX screws and tamperproof TX screws **long,** made of **stainless** steel

Juego de llaves macho acodadas para tornillos TX
con punta perforada, para tornillos TX con y sin punta de seguridad ***largas,*** *en acero* ***inoxidable***

Jogo de chaves em "L" TX
com furo na ponta, para parafusos com e sem ponta de segurança **longas,** em aço **inoxidável**

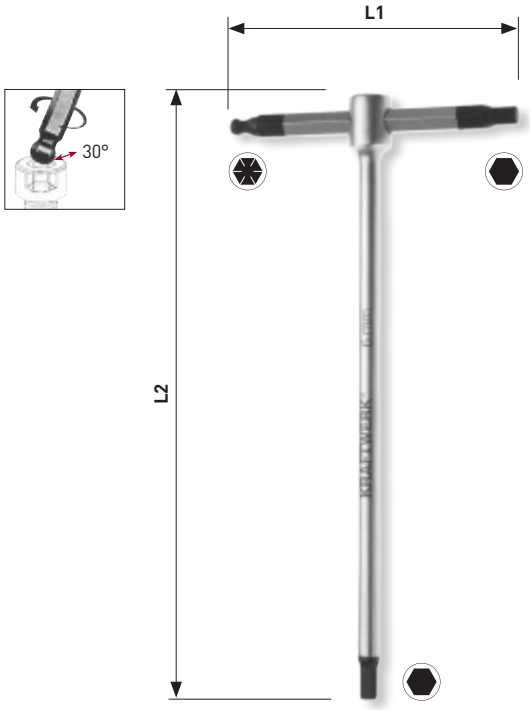
inox 9 PCS

Art.	
3645	T10-T15-T20-T25-T27-T30-T40-T45-T50

Hexagon T-handle wrench
2 hexagon male ends and 1 ballpoint hexagon male end

Llave en T hexagonal
con 2 extremidades macho hexagonales y 1 extremidad con bola

Chave sextavada interior cabo em "T"
2 pontas macho hexagonal, 1 ponta esférica



Art.	mm	L 1 mm	L 2 mm
2593-02	2.0	65	126
2593-025	2.5	65	126
2593-03	3.0	65	126
2593-04	4.0	90	180
2593-05	5.0	90	180
2593-06	6.0	105	210
2593-07	7.0	105	210
2593-08	8.0	125	250
2593-10	10.0	145	300

Double joint hexagonal key set
Juego de llaves macho doble articuladas
Jogo de chaves sextavados interior dupla articulação

CrV 6 PCS

Art.	⬣
3625	3-4-5-6-8-10 mm

Double joint TX key set
Juego de llaves TX doble articuladas
Jogo de chaves TX dupla articulação

CrV 7 PCS

Art.	✸
3626	T20-T25-T27-T30-T40-T45-T50

Double joint XZN spline key set
Juego de llaves XZN doble articuladas
Jogo de chaves XZN dupla articulação

CrV 5 PCS

Art.	✹
3627	M4-M5-M6-M8-M10

Hexagon T-handle wrench case
2 hexagon male ends and 1 ballpoint hexagon male end

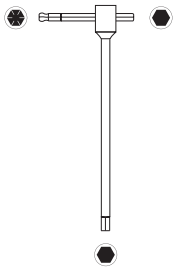
Estuche de llaves en T hexagonal
con 2 extremidades macho hexagonales y 1 extremidad con bola

Mala de chaves sextavada interior cabo em "T"
2 pontas macho hexagonal, 1 ponta esférica

COMPLETO

9 PCS

421 x 200 x 68 mm



Art. 2593-02	2.0 mm
Art. 2593-025	2.5 mm
Art. 2593-03	3.0 mm
Art. 2593-04	4.0 mm
Art. 2593-05	5.0 mm
Art. 2593-06	6.0 mm
Art. 2593-07	7.0 mm
Art. 2593-08	8.0 mm
Art. 2593-10	10.0 mm

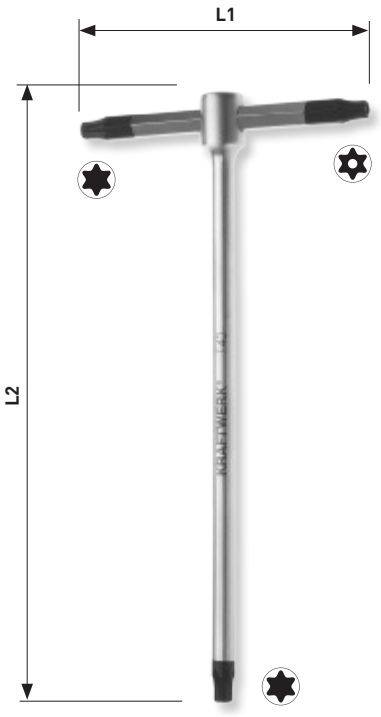
Art.
4900-35K

T-handle wrench for TX screws
2 TX male ends and 1 tamper TX male end

Llave en T para tornillos TX
con 2 extremidades macho TX y 1 extremidad TX de seguridad

Chave TX cabo em "T"
2 pontas macho TX, 1 ponta TX com furo

Art.	mm	mm	L 1 mm	L 2 mm
2594-10	**T10**	2.7	65	125
2594-15	**T15**	3.2	65	125
2594-20	**T20**	3.8	65	125
2594-25	**T25**	4.4	90	180
2594-27	**T27**	4.9	90	180
2594-30	**T30**	5.5	90	180
2594-40	**T40**	6.6	105	210
2594-45	**T45**	7.82	105	210
2594-50	**T50**	8.83	105	215



T-handle wrench case for TX screws
2 TX male ends and 1 tamper TX male end

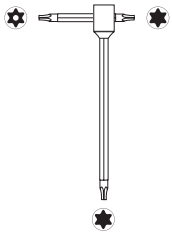
Estuche de llaves en T para tornillos TX
con 2 extremidades macho TX y 1 extremidad TX de seguridad

Mala de chaves TX cabo em "T"
2 pontas macho TX, 1 ponta TX com furo

COMPLETO

9 PCS

421 x 200 x 68 mm



Art. 2594-10	T10
Art. 2594-15	T15
Art. 2594-20	T20
Art. 2594-25	T25
Art. 2594-27	T27
Art. 2594-30	T30
Art. 2594-40	T40
Art. 2594-45	T45
Art. 2594-50	T50

Art.
4900-36K

Foldable hexagon key wrench set
with ergonomic holder

Juego llaves hexagonal macho
en navaja ergonómica

Jogo desdobrável chaves sextavada
interior em suporte ergonómico

8 PCS

115 x 40 x 40 mm

Art.	mm
3623	1.5-2-2.5-3-4-5-6-8

Foldable TX key wrench set
with ergonomic holder

Juego llaves macho para tornillos TX
en navaja ergonómica

Jogo desdobrável chaves TX
em suporte ergonómico

8 PCS

115 x 40 x 40 mm

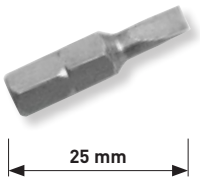
Art.	
3624	T9-T10-T15-T20-T25-T27-T30-T40

5 PCS 5 pcs./*pzs.*/pcs.
10 PCS 10 pcs./*pzs.*/pcs.
25 PCS 25 pcs./*pzs.*/pcs.
50 PCS 50 pcs./*pzs.*/pcs.

Bit for slotted screws
Punta para tornillos de ranura
Bit de fenda

1/4" C6.3 DIN 3126 ISO 1173 — DIN 3127 ISO 2351 — S2 quality

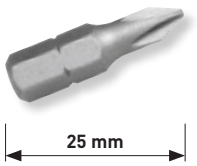
5 PCS	mm	mm
2721-5	0.5	4.0
2722-5	0.6	4.5
2723-5	0.8	5.5
2724-5	1.0	6.0
2725-5	1.2	6.5
2726-5	1.6	8.0



Bit for Phillips screws
Punta para tornillos Phillips
Bit Phillips

1/4" C6.3 DIN 3126 ISO 1173 — DIN 3128 ISO 8764 — S2 quality

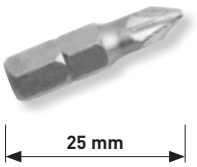
5 PCS	10 PCS	50 PCS	
2705-5			PH 0
2701-5	2701-10	2701-50	PH 1
2702-5	2702-10	2702-50	PH 2
2703-5	2703-10		PH 3
2704-5			PH 4



Bit for Pozidriv screws
Punta para tornillos Pozidriv
Bit Pozidriv

1/4" C6.3 DIN 3126 ISO 1173 — DIN 3128 ISO 8764 — S2 quality

5 PCS	10 PCS	50 PCS	
2711-5	2711-10	2711-50	PZ 1
2712-5	2712-10	2712-50	PZ 2
2713-5	2713-10	2713-50	PZ 3
2714-5			PZ 4

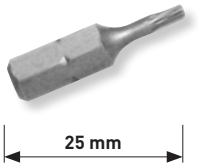


Bit for TX screws
Punta para tornillos TX
Bit TX

1/4" C6.3
DIN 3126
ISO 1173

S2 quality

5 PCS	10 PCS	50 PCS		mm
2730-5			**T8**	2.3
2731-5	**2731-10**		**T10**	2.7
2732-5	**2732-10**	**2732-50**	**T15**	3.3
2733-5	**2733-10**	**2733-50**	**T20**	3.8
2734-5	**2734-10**	**2734-50**	**T25**	4.4
2737-5	**2737-10**		**T27**	5.0
2735-5	**2735-10**	**2735-50**	**T30**	5.5
2736-5	**2736-10**	**2736-50**	**T40**	6.6
2738-5			**T45**	7.82
2739-5			**T50**	8.83



Bit for TX screws
with bore hole at the tip, for normal TX screws and tamperproof TX screws
Punta para tornillos TX
con punta perforada, para tornillos con y sin punta de seguridad
Bit TX
com furo, para parafusos TX com e sem ponta de segurança

1/4" C6.3
DIN 3126
ISO 1173

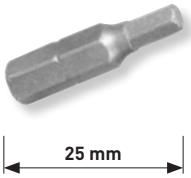
S2 quality

5 PCS		mm
2749-5	**T8**	2.3
2751-5	**T10**	2.7
2752-5	**T15**	3.3
2753-5	**T20**	3.8
2754-5	**T25**	4.4
2755-5	**T27**	5.0
2756-5	**T30**	5.5
2757-5	**T40**	6.6

Bit for hexagon socket screws
Punta para tornillos allen
Bit sextavado interior

1/4" C6.3 DIN 3126 ISO 1173 | DIN 7426 ISO 3109 | S2 quality

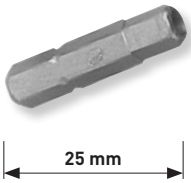
5 PCS	10 PCS	mm
2741-5	2741-10	3.0
2742-5	2742-10	4.0
2743-5	2743-10	5.0
2744-5	2744-10	6.0
2745-5		7.0
2746-5		8.0



Bit for hexagon socket screws
with bore hole at the tip, for normal screws and tamperproof screws
Punta para tornillos allen
con punta perforada, para tornillos con y sin punta de seguridad
Bit sextavado interior
com furo, para parafusos com e sem ponta de segurança

1/4" C6.3 DIN 3126 ISO 1173 | S2 quality

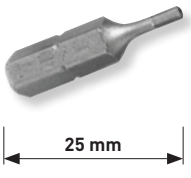
5 PCS	mm
2676-5	2.0
2677-5	2.5
2678-5	3.0
2679-5	4.0
2680-5	5.0
2681-5	6.0



Bit for inch hexagon socket screws
with bore hole at the tip, for normal screws and tamperproof screws
Punta para tornillos allen en pulgadas
con punta perforada, para tornillos con y sin punta de seguridad
Bit sextavado interior polegado
com furo em ponta, para parafusos com e sem ponta de segurança

1/4" C6.3 DIN 3126 ISO 1173 | S2 quality | inch

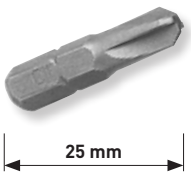
5 PCS	inch
2683-5	5/32"
2684-5	9/64"
2685-5	1/8"
2686-5	7/64"
2687-5	3/32"
2688-5	5/64"



Bit for Torq screws
Punta para tornillos Torq
Bit Torq

1/4" C6.3 DIN 3126 ISO 1173 · TORQ-SET · S2 quality

5 PCS	
2661-5	No. 6
2662-5	No. 8
2663-5	No. 10



Bit for Tri-Wing screws
Punta para tornillos Tri-Wing
Bit Tri-Wing

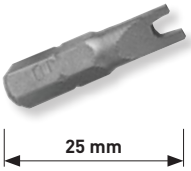
1/4" C6.3 DIN 3126 ISO 1173 · TRI-WING · S2 quality

5 PCS	
2671-5	No. 1
2672-5	No. 2
2673-5	No. 3
2674-5	No. 4

Bit for Spanner screws
Punta para tornillos Spanner
Bit Spanner

1/4" C6.3 DIN 3126 ISO 1173 · SPANNER · S2 quality

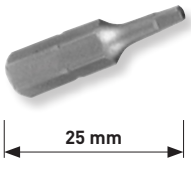
5 PCS	
2665-5	No. 4
2667-5	No. 6
2668-5	No. 8
2669-5	No. 10



Bit for Robertson square screws
Punta para tornillos Robertson
Bit Robertson

1/4" C6.3 DIN 3126 ISO 1173 · S2 quality

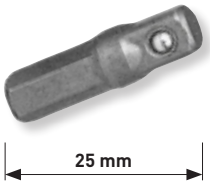
5 PCS	
2689-5	R1
2696-5	R2



Adapter bit for sockets
Punta-adaptador para vasos
Bit adaptador para chaves

1/4" C6.3 DIN 3126 ISO 1173 · 1/4"

5 PCS		
2770-5	1/4"	1/4"



Bit for slotted screws
of **stainless** steel

Punta para tornillos de ranura
*en acero **inoxidable***

Bit de fenda
em aço **inoxidável**

1/4" C6.3 DIN 3126 ISO 1173

DIN 3127 ISO 2351

inox

Art.	mm	mm
29240	0.8	4.0
29255	0.9	5.5
29265	1.2	6.5
29270	1.6	7.0

Bit for Phillips screws
of **stainless** steel

Punta para tornillos Phillips
*en acero **inoxidable***

Bit Phillips
em aço **inoxidável**

1/4" C6.3 DIN 3126 ISO 1173

DIN 3128 ISO 8764

inox

Art.	
29000	PH 0
29010	PH 1
29020	PH 2
29030	PH 3

Bit for Pozidriv screws
of **stainless** steel

Punta para tornillos Pozidriv
*en acero **inoxidable***

Bit Pozidriv
em aço **inoxidável**

1/4" C6.3 DIN 3126 ISO 1173

DIN 3128 ISO 8764

inox

Art.	
29100	PZ 0
29110	PZ 1
29120	PZ 2
29130	PZ 3

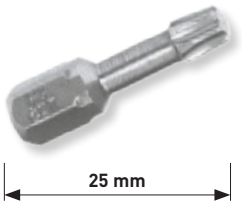
Bit for TX screws
of **stainless** steel

Punta para tornillos TX
*en acero **inoxidable***

Bit TX
em aço **inoxidável**

1/4" C6.3
DIN 3126
ISO 1173

Art.		mm
29310	**T10**	2.7
29315	**T15**	3.3
29320	**T20**	3.8
29325	**T25**	4.4
29327	**T27**	5.0
29330	**T30**	5.5
29340	**T40**	6.6



Bit for hexagon socket screws
of **stainless** steel

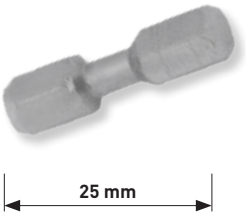
Punta para tornillos allen
*en acero **inoxidable***

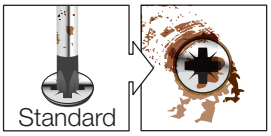
Bit sextavado interior
em aço **inoxidável**

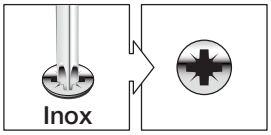
1/4" C6.3
DIN 3126
ISO 1173

DIN 7426
ISO 3109

Art.	mm
29425	2.5
29430	3.0
29440	4.0
29450	5.0
29460	6.0





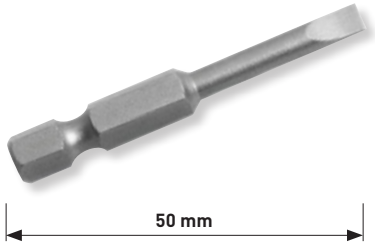


INOX-tools – to avoid external rust
Herramientas en acero inoxidabile para evitar el óxido externo
Ferramentas aço **INOX** para evitar ferrugem externa

Bit for slotted screws
Punta para tornillos de ranura
Bit de fenda

1/4" E6.3 DIN 3126 ISO 1173 | DIN 3127 ISO 2351 | S2 quality

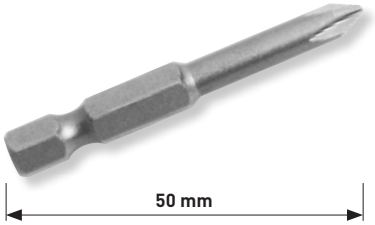
5 PCS	mm	mm
2821-5	0.5	4.0
2822-5	0.6	4.5
2823-5	0.8	5.5
2824-5	1.0	6.0
2825-5	1.2	6.5
2826-5	1.6	8.0



Bit for Phillips screws
Punta para tornillos Phillips
Bit Phillips

1/4" E6.3 DIN 3126 ISO 1173 | DIN 3128 ISO 8764 | S2 quality

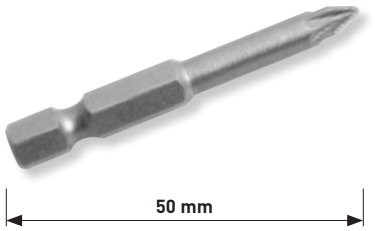
5 PCS	10 PCS	25 PCS	
2801-5	2801-10		PH 1
2802-5	2802-10	2802-25	PH 2
2803-5			PH 3
2804-5			PH 4



Bit for Pozidriv screws
Punta para tornillos Pozidriv
Bit Pozidriv

1/4" E6.3 DIN 3126 ISO 1173 | DIN 3128 ISO 8764 | S2 quality

5 PCS	10 PCS	25 PCS	
2811-5	2811-10		PZ 1
2812-5	2812-10	2812-25	PZ 2
2813-5			PZ 3
2814-5			PZ 4

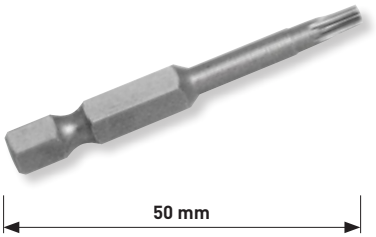


Bit for TX screws
Punta para tornillos TX
Bit TX

1/4" E6.3
DIN 3126
ISO 1173

S2 quality

5 PCS	10 PCS		mm
2831-5		T10	2.7
2832-5	2832-10	T15	3.3
2833-5	2833-10	T20	3.8
2834-5	2834-10	T25	4.4
2837-5		T27	5.0
2835-5	2835-10	T30	5.5
2836-5		T40	6.6

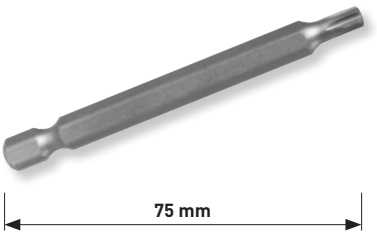


Bit for TX screws
Punta para tornillos TX
Bit TX

1/4" E6.3
DIN 3126
ISO 1173

S2 quality

10 PCS		mm
2861	T10	2.7
2862	T15	3.3
2863	T20	3.8
2864	T25	4.4
2865	T27	5.0
2866	T30	5.5
2867	T40	6.6



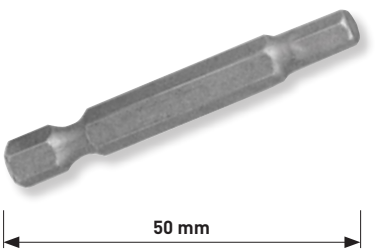
Bit for hexagon socket screws
Punta para tornillos allen
Bit sextavado interior

1/4" E6.3
DIN 3126
ISO 1173

DIN 7426
ISO 3109

S2 quality

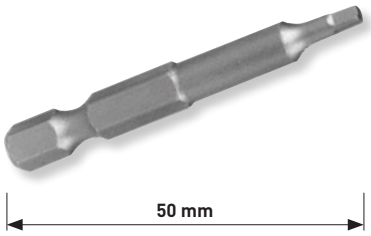
5 PCS	mm
2841-5	3
2842-5	4
2843-5	5
2844-5	6
2845-5	7
2846-5	8



Bit for Robertson square screws
Punta para tornillos Robertson
Bit Robertson

1/4" E6.3 DIN 3126 ISO 1173 | ■ | S2 quality

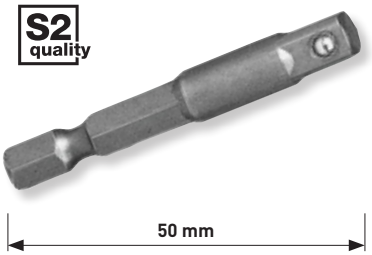
5 PCS	■
2690-5	R1
2697-5	R2



Adapter bit for sockets
Punta-adaptador para vasos
Bit adaptador para chaves

1/4" E6.3 DIN 3126 ISO 1173 | 1/4" | S2 quality

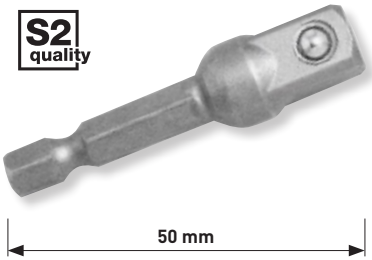
5 PCS	⬢	■
2850-5	1/4"	1/4"



Adapter bit for sockets
Punta-adaptador para vasos
Bit adaptador para chaves

1/4" E6.3 DIN 3126 ISO 1173 | 3/8" | S2 quality

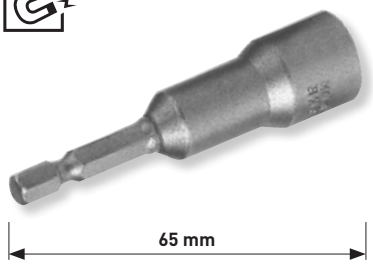
5 PCS	⬢	■
2860-5	1/4"	3/8"



Magnetic nut setter
Punta stecker magnética
Chave para porcas magnética

1/4" E6.3 DIN 3126 ISO 1173 | ⬢ | magnetic

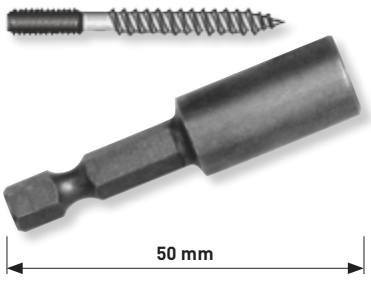
Art.	⬢ mm
3784-07	7
3784-08	8
3784-10	10
3784-13	13



Screw tight tool for setting screws
Adaptador tornillo
Chave para parafusos de rosca

1/4" E6.3 DIN 3126 ISO 1173 | S2 quality

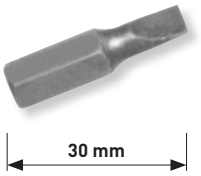
Art.	∅
3784-M6	M6
3784-M8	M8
3784-M10	M10
3784-M12	M12



Bit for slotted screws
Punta para tornillos de ranura
Bit de fenda

5/16" DIN 3126-D8 ISO 1173 — DIN 3127 ISO 2351 — S2 quality

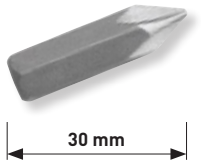
Art.	mm	mm
302055	0.8	5.5
302065	1.0	6.5
302080	1.2	8.0
302100	1.6	10.0
302120	2.0	12.0



Bit for Phillips screws
Punta para tornillos Phillips
Bit Phillips

5/16" DIN 3126-D8 ISO 1173 — DIN 3128 ISO 8764 — S2 quality

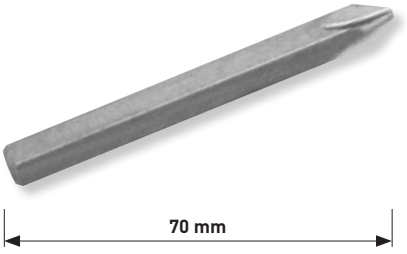
Art.	
303001	PH 1
303002	PH 2
303003	PH 3
303004	PH 4



Bit for Phillips screws
Punta para tornillos Phillips
Bit Phillips

5/16" DIN 3126-D8 ISO 1173 — DIN 3128 ISO 8764 — S2 quality

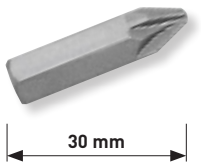
Art.	
313001	PH 1
313002	PH 2
313003	PH 3



Bit for Pozidriv screws
Punta para tornillos Pozidriv
Bit Pozidriv

5/16" DIN 3126-D8 ISO 1173 — DIN 3128 ISO 8764 — S2 quality

Art.	
304001	PZ 1
304002	PZ 2
304003	PZ 3
304004	PZ 4

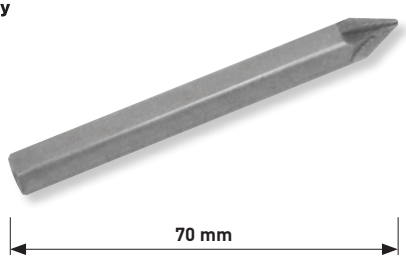


Bit for Pozidriv screws
Punta para tornillos Pozidriv
Bit Pozidriv

5/16" DIN 3126-D8 ISO 1173

DIN 3128 ISO 8764

S2 quality

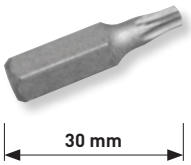


Art.	
314001	PZ 1
314002	PZ 2

Bit for TX screws
Punta para tornillos TX
Bit TX

5/16" DIN 3126-D8 ISO 1173

S2 quality

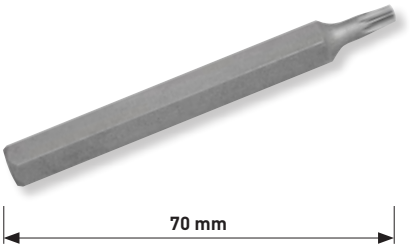


Art.		mm
305010	T10	2.7
305015	T15	3.3
305020	T20	3.8
305025	T25	4.4
305027	T27	5.0
305030	T30	5.5
305040	T40	6.6
305045	T45	7.82
305047	T47	8.1
305050	T50	8.83
305055	T55	11.22
305060	T60	13.25
305070	T70	15.51
305080	T80	17.54
305090	T90	19.92
305100	T100	22.13

Bit for TX screws
Punta para tornillos TX
Bit TX

5/16"
DIN 3126-D8
ISO 1173
S2 quality

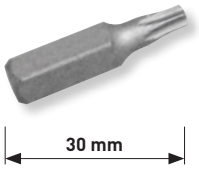
Art.		mm
315015	T15	3.3
315020	T20	3.8
315025	T25	4.4
315027	T27	5.0
315030	T30	5.5
315040	T40	6.6
315045	T45	7.82
315050	T50	8.83
315055	T55	11.22
315060	T60	13.25
315070	T70	15.51
315080	T80	17.54
315090	T90	19.92
315100	T100	22.13



Bit for TX screws
with bore hole at the tip, for normal TX screws and tamperproof TX screws
Punta para tornillos TX
con punta perforada, para tornillos con y sin punta de seguridad
Bit TX
com furo, para parafusos TX com e sem ponta de segurança

5/16"
DIN 3126-D8
ISO 1173
S2 quality

Art.		mm
305310	T10	2.7
305315	T15	3.3
305320	T20	3.8
305325	T25	4.4
305327	T27	5.0
305330	T30	5.5
305340	T40	6.6
305345	T45	7.82
305350	T50	8.83
305355	T55	11.22
305360	T60	13.25
305370	T70	15.51



Bit for TX screws

with bore hole at the tip, for normal TX screws and tamperproof TX screws

Punta para tornillos TX

con punta perforada, para tornillos con y sin punta de seguridad

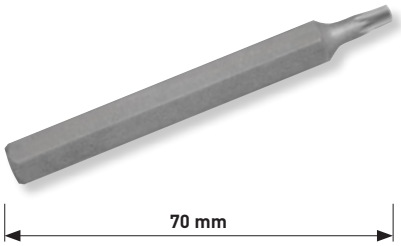
Bit TX

com furo, para parafusos TX com e sem ponta de segurança

5/16" DIN 3126-D8 ISO 1173

S2 quality

Art.		mm
315320	T20	3.8
315325	T25	4.4
315327	T27	5.0
315330	T30	5.5
315340	T40	6.6
315345	T45	7.82
315350	T50	8.83
315355	T55	11.22
315360	T60	13.25



Bit for hexagon socket screws

Punta para tornillos allen

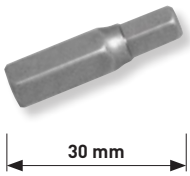
Bit sextavado interior

5/16" DIN 3126-D8 ISO 1173

DIN 7426 ISO 3109

S2 quality

Art.	mm
306003	3
306004	4
306005	5
306006	6
306007	7
306008	8
306010	10
306012	12
306014	14



Bit for hexagon socket screws

Punta para tornillos allen

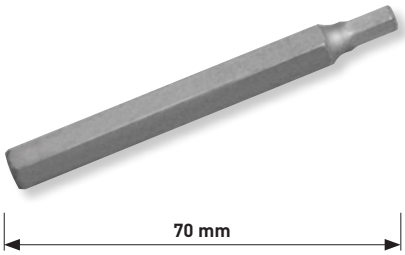
Bit sextavado interior

5/16" DIN 3126-D8 ISO 1173

DIN 7426 ISO 3109

S2 quality

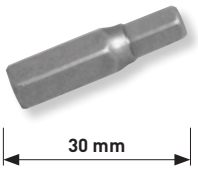
Art.	mm
316004	4
316005	5
316006	6
316007	7
316008	8
316010	10
316012	12



Bit for inch hexagon socket screws
Punta para tornillos allen en pulgadas
Bit sextavado interior polegada

5/16" DIN 3126-D8 ISO 1173 | S2 quality | inch

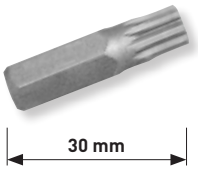
Art.	inch
306501	1/8"
306502	5/32"
306503	3/16"
306504	7/32"
306505	1/4"
306507	5/16"
306509	3/8"



Bit for XZN spline screws
Punta con perfil XZN
Bit para parafusos estriados XZN

5/16" DIN 3126-D8 ISO 1173 | S2 quality

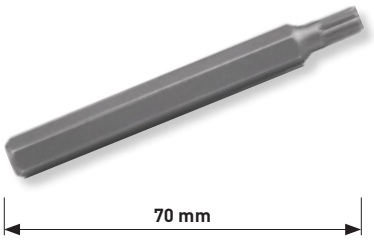
Art.	XZN
348005	M5
348006	M6
348008	M8
348010	M10
348012	M12



Bit for XZN spline screws
Punta con perfil XZN
Bit para parafusos estriados XZN

5/16" DIN 3126-D8 ISO 1173 | S2 quality

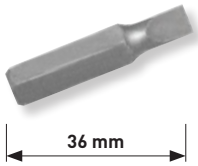
Art.	XZN
349005	M5
349006	M6
349008	M8
349010	M10
349012	M12



Impact bit for slotted screws
Punta impacto para tornillos de ranura
Bit impacto de fenda

5/16" DIN 3126-D8 ISO 1173

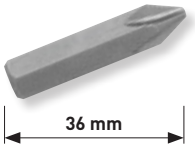
Art.	mm	mm
2035F06	1.0	6
2035F08	1.2	8
2035F10	1.6	10
2035F12	2.0	12



Impact bit for Phillips screws
Punta impacto para tornillos Phillips
Bit impacto Phillips

5/16"
DIN 3126-D8
ISO 1173

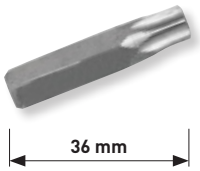
Art.	
2035PH1	PH 1
2035PH2	PH 2
2035PH3	PH 3
2035PH4	PH 4



Impact bit for TX screws
Punta impacto para tornillos TX
Bit impacto TX

5/16"
DIN 3126-D8
ISO 1173

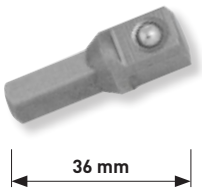
Art.	
2035T30	T30
2035T40	T40
2035T45	T45
2035T50	T50



Impact adapter bit for sockets
Punta-adaptador de impacto para vasos
Bit impacto adaptador para chave de caixa

5/16" 3/8"
DIN 3126-D8
ISO 1173

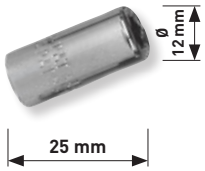
Art.		
2035B38	5/16"	3/8"



Bit-holder socket
Vaso portapuntas
Chave de caixa porta-bits

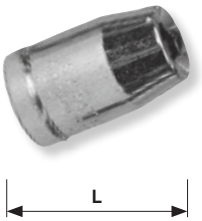
1/4" 1/4"

Art.		
2760	1/4"	1/4"



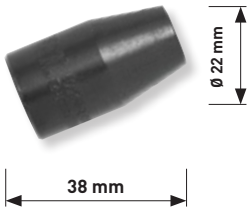
Bit-holder socket
Vaso portapuntas
Chave de caixa porta-bits

Art.			L mm
2761	3/8"	1/4"	27
211516	3/8"	5/16"	29
311516	1/2"	5/16"	38



Impact bit-holder socket
Vaso portapuntas impacto
Chave de caixa porta-bits impacto

Art.		
2035A12	1/2"	5/16"



Bit-adapter
Portapunta
Adaptador de bit

CLICKRAFT

Art.		
2694	10mm	1/4"

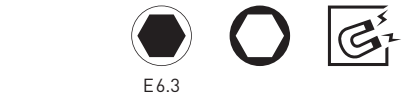
Magnetic bit-holder
Portapuntas magnético
Suporte magnético para bits

E 6.3
DIN 3126
ISO 7426

inox

Art.			L mm
2750	1/4"	1/4"	60
2750-1	1/4"	1/4"	60
2764	1/4"	1/4"	142

Adjustable magnetic fixing bit-holder
Portapuntas magnético ajustable
Suporte magnético ajustável para bits



Art.	⬢	○	L mm
3750	1/4"	1/4"	58
3760	5/16"	5/16"	75

Magnetic quick release bit-holder
Portapuntas magnético de extracción rápida
Suporte magnético de bits de encaixe rápido

Art.	⬢	○
2765	1/4"	1/4"
2765-1	1/4"	1/4"

Magnetic quick release bit-holder
with eject button

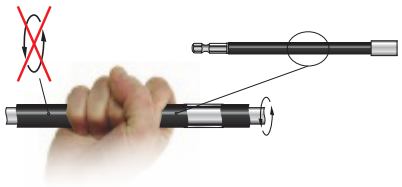
Portapuntas magnético de extracción rápida
con botón de expulsión

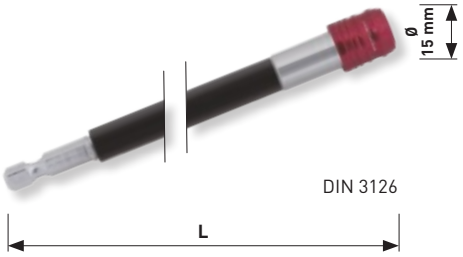
Adaptador magnético de bits de encaixe rápido
com botão de ejeção

Art.	⬢	○
3764	1/4"	1/4"
3764-1	1/4"	1/4"

Magnetic quick release bit-holder
Portapuntas magnético de extracción rápida
Suporte magnético de bits de encaixe rápido

1/4" 1/4" E6.3

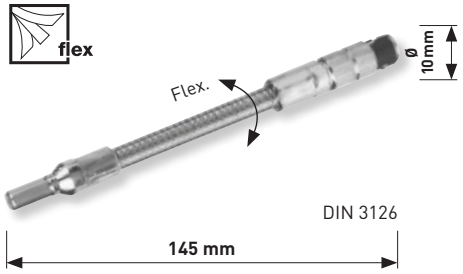




Art.	⬢	○	L mm
3766	1/4"	1/4"	150
3767	1/4"	1/4"	300
3768	1/4"	1/4"	450
3769	1/4"	1/4"	600

Flexible extension bar for bits
Alargadera flexible para puntas
Extensão flexível para bits

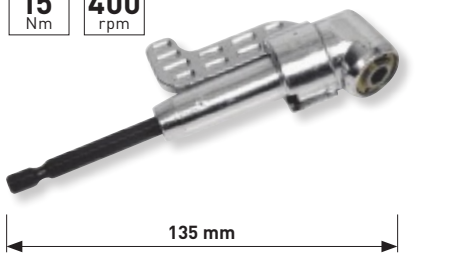
1/4" 1/4" flex



Art.	⬢	○
107140	1/4"	1/4"

Angle screw attachment
Portapuntas angular
Porta-bits de angulo

1/4" 1/4" max. 15 Nm max. 400 rpm



Art.	⬢	○
2768	1/4"	1/4"

Stubby bit ratcheting driver
Mango carraca para puntas
Punho para bits com roquete
curto

1/4"

ERGOKRAFT

Art.	○
4133B	1/4"

Torque bit-screwdriver
Atornillador dinamométrico para puntas
Chave torque para bits

1-4 Nm A +/- 4 %

Art.	⬡	Nm <–>
2039	1/4"	1–4

DIN / ISO 6789
EN 26789

Fine teeth reversible bit ratchet handle
Carraca reversible dentado fino para puntas
Roquete manual reversível de dentes finos para bits

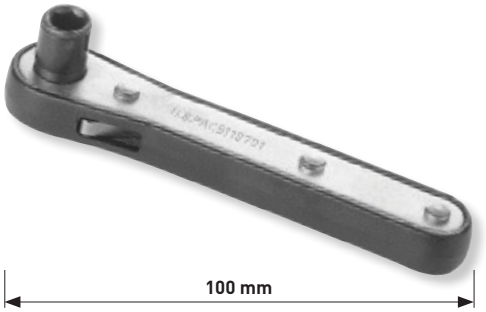
1/4" 72 XS

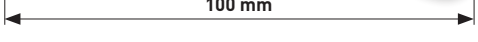
Art.	⬡
3799	1/4"

Mini reversible bit ratchet handle
Mini carraca reversible para puntas
Mini roquete manual reversível para bits

1/4" 15 XS

Art.	⬡
2700	1/4"





Fine teeth bit ratchet handle

2 reversible 15° offset heads, for direct drive of 1/4" and 5/16" bits

Carraca dentado fino para puntas

reversible de 2 lados, acodada 15º, con adaptación directa de puntas 1/4" y 5/16"

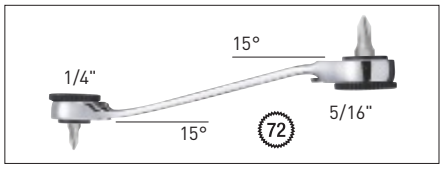
Roquete manual de dentes finos para bits

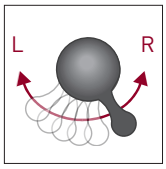
reversível dos dois lados, cabeça com 15º para adaptação directa dos bits 1/4" e 5/16"

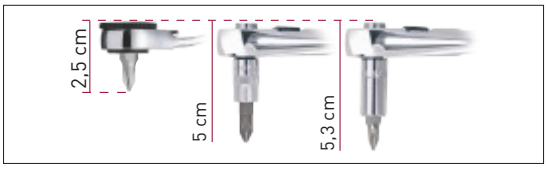
1/4" 5/16"

Art.	⬡	⬡
4070	1/4"	5/16"

130 mm







Bit set for TX screws

with bore hole at the tip, for normal TX screws and tamperproof TX screws

Set puntas para tornillos TX

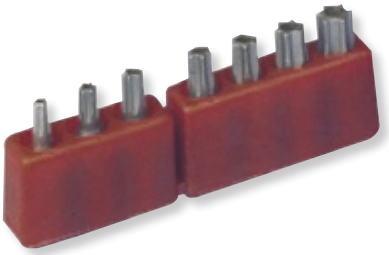
con punta perforada, para tornillos con y sin punta de seguridad

Jogo de bits TX

com furo, para parafusos TX com e sem ponta de segurança

1/4" S2 quality 7 PCS

Art.	⬢	✡	▭
2758	1/4"	T10-T15-T20-T25-T27-T30-T40	25 mm



57 x 13 x 28 mm

Round bit box

Caja redonda de puntas

Caixa redonda de bits

2 ✚ PZ 1-2
7 ✡ T10-T15-T20-T25-T27-T30-T40
⬢ 4 mm

▭ **Art. 2750**

1/4" S2 quality 11 PCS

Art.	⬢	▭
2780	1/4"	25 mm

Ø 50 x 67 mm

Universal round bit box
Caja redonda universal de puntas
Caixa redonda de bits universais

1/4" | S2 quality | 11 PCS

3 4.5-5.5-6.5 mm
3 PH 1-2-3
2 PZ 1-2
2 4-5 mm

Art. 2750

Art.	⬢	
2783	**1/4"**	25 mm

Ø 50 x 67 mm

Universal round bit box
Caja redonda universal de puntas
Caixa redonda de bits universais

1/4" | S2 quality | 19 PCS

2 4-5.5-6.5 mm
2 PH 1-2
3 PZ 1-2-3
6 T10-T15-T20-T25-T30-T40
4 3-4-5-6 mm

Art. 2750

Art.	⬢	
2786	**1/4"**	25 mm

Ø 81 x 50 mm

Universal round bit box
Caja redonda universal de puntas
Caixa redonda de bits universais

1/4" | S2 quality | 19 PCS

3 4.5-5.5-6.5 mm
2 PH 1-2
3 PZ 1-2-3
6 T10-T15-T20-T25-T30-T40
4 3-4-5-6 mm

Art.	⬢	
2790	**1/4"**	50 mm

Ø 83 x 60 mm

Aluminium bit box
with the double composition of TX and Pozidriv bits

Caja en aluminio de puntas
con composición doble de puntas TX y Pozidriv

Caixa em aluminio de bits
com composição dupla de bits TX e Pozidriv

- 3 — 4-4.5-5.5 mm
- 3 — PH 1-2-3
- 6 — **2x**PZ1 - **2x**PZ2 - **2x**PZ3
- 12 — T10 - T15 - **2x**T20 - **2x**T25 - **2x**T27- **2x**T30 - **2x**T40
- 6 — T10-T15-T20-T25-T27-T30
- 4 — 3-4-5-6 mm

1/4" 1/4"

Art. 3765

Art.	⬢	
3782-1	1/4"	25 mm

1/4" S2 quality 36 PCS

C6.3

DIN 3126
ISO 1173

105 x 78 x 34 mm

Bit box
with 6 by colour promptly distinguishing TX bits and quick release bit-holder

Caja de puntas
con 6 puntas TX de colores para una rápida distinción y portapuntas magnético de extracción rápida

Jogo de bits
com 6 bits TX de cores para fácil reconhecimento da medida e porta bits magnético de encaixe rápido

1/4" — 6 — T10-T15-T20-T25-T30-T40

⬢ 1/4" ○ 1/4"

Art.	⬢	
99049	1/4"	25 mm

1/4" S2 quality 7 PCS

C6.3

DIN 3126
ISO 1173

68 x 65 x 20 mm

Bit box
with quick release bit-holder

Caja de puntas
con portapuntas magnético de extracción rápida

Jogo de bits
com porta bits magnético de encaixe rápido

1/4" S2 quality 33 PCS

C6.3

DIN 3126
ISO 1173

- 6 4-4.5-5.5-6-6.5-8 mm
- 3 PH 1-2-3
- 6 **2x**PZ1 - **2x**PZ2 - **2x**PZ3
- 12 **2x**T10 - **2x**T15 - **2x**T20 - **2x**T25 - **2x**T30 - **2x**T40
- 4 3-4-5-6 mm

1/4" 1/4"

Art. 2765

Art.	⬢	
3788	**1/4"**	**25 mm**

101 x 56 x 30 mm

Bit tool set
with slim reversible bit ratchet handle. Especially suitable for bikes.

Juego de puntas
con carraca reversible delgada. Especialmente apropriado para bicicletas.

Jogo de bits
com roquete reversível. Especialmente apropiado para bicicletas.

1/4" 14 PCS

- 1 5 mm
- 1 PH2
- 1 T20
- 6 2-2.5-3-4-5-6 mm
- 1/4" 1/4"
- 1/4" 1/4"
- 52 1/4"

2×

Art.	⬢	
3776	**1/4"**	**25 mm**

Universal bit box
with quick release bit-holder

Caja de puntas universal
con portapuntas magnético de extracción rápida

Jogo de bits universais
com porta bits magnético de encaixe rápido

1/4" S2 quality 33 PCS

C6.3

DIN 3126
ISO 1173

- 6 4-4.5-5.5-6-6.5-8 mm
- 3 PH 1-2-3
- 3 PZ 1-2-3
- 6 T10-T15-T20-T25-T30-T40
- 6 T10-T15-T20-T25-T30-T40
- 4 3-4-5-6 mm

1/4" 1/4"

Art. 2765

Art.	⬢	
3789	**1/4"**	**25 mm**

101 x 56 x 30 mm

Special bit box
with security bits for all common security screws and quick release bit-holder

Caja de puntas específicas
con puntas de seguridad para todos los tornillos de seguridad corrientes y con portapuntas magnético de extracción rápida

Jogo de bits específicos
com bits de segurança para todos os parafusos de segurança comuns e porta bits magnético de encaixe rápido

1/4" | S2 quality | 33 PCS

C6.3

DIN 3126
ISO 1173

- 9 T8-T10-T15-T20-T25-T27-T30-T35-T40
- 6 2-2.5-3-4-5-6 mm
- 6 5/64"-3/32"-7/64"-1/8"-9/64"-5/32"
- 3 Nos. 6-8-10
- 4 Nos. 1-2-3-4
- 4 Nos. 4-6-8-10

Art. 2765

Art.	⬢	
3786	**1/4"**	**25 mm**

101 x 56 x 30 mm

Bit box
with **stainless** steel bits and quick release bit-holder

Caja de puntas
*en acero **inoxidable**, con portapuntas magnético de extracción rápida*

Jogo de bits
em aço **inoxidável**, com porta bits magnético de encaixe rápido

1/4" | inox | 33 PCS

C6.3

DIN 3126
ISO 1173

- 3 4-5.5-6.5 mm
- 4 PH1 - **2x**PH2 - PH3
- 6 **2x**PZ1 - **3x**PZ2 - PZ3
- 14 **2x**T10 - **2x**T15 - **2x**T20 - **2x**T25 - **2x**T27 - **2x**T30 - **2x**T40
- 4 3-4-5-6 mm

1/4" 1/4"

Art. 2765

Art.	⬢	
3796	**1/4"**	**25 mm**

103 x 56 x 30 mm

Universal bit box
with quick release bit-holder

Caja de puntas universal
con portapuntas magnético de extracción rápida

Jogo de bits universais
com porta bits magnético de encaixe rápido

1/4" S2 quality 61 PCS

C6.3

DIN 3126
ISO 1173

- 6 4-4.5-5.5-6-6.5-8 mm
- 5 PH1 - **2x**PH2 - PH3 - PH4
- 6 **2x**PZ1 - **2x**PZ2 - PZ3 - PZ4
- 30 **3x**T10 - **3x**T15 - **6x**T20 - **6x**T25 - **6x**T30 - **6x**T40
- 7 T10-T15-T20-T25-T27-T30-T40
- 6 3-4-5-6-7-8 mm

Art. 2765

Art.	⬢	
3787	**1/4"**	**25 mm**

101 x 90 x 32 mm

Universal bit box
with quick release bit-holder

Caja de puntas universal
con portapuntas magnético de extracción rápida

Jogo de bits universais
com porta bits magnético de encaixe rápido

1/4" S2 quality 61 PCS

C6.3

DIN 3126
ISO 1173

- 6 4-4.5-5.5-6-6.5-8 mm
- 4 PH 1-2-3-4
- 4 PZ 1-2-3-4
- 8 T8-T10-T15-T20-T25-T27-T30-T40
- 8 T8-T10-T15-T20-T25-T27-T30-T40
- 6 3-4-5-6-7-8 mm
- 6 2-2.5-3-4-5-6 mm
- 6 5/64"-3/32"-7/64"-1/8"-9/64"-5/32"
- 4 Nos. 1-2-3-4
- 3 Nos. 6-8-10
- 4 Nos. 4-6-8-10

1/4" 1/4"

Art. 2765

Art.	⬢	
3777	**1/4"**	**25 mm**

101 x 90 x 32 mm

Bit box

2-component box with stainless steel bit-holder and magnetic bit-holder with special bit quick release function

Caja de puntas

bimaterial, con portapuntas en acero inoxidable y portapuntas magnético especial de extracción rápida

Jogo de bits

Caixa em bimatéria com porta bits em inox e porta bits especial com libertação rápida

1/4" | S2 quality | 38 PCS

C6.3

DIN 3126
ISO 1173

- 4 — 4-5.5-6-6.5 mm
- 5 — PH0 - PH1 - **2x**PH2 - PH3
- 4 — PZ1 - **2x**PZ2 - PZ3
- 11 — T10 - **2x**T15 - **2x**T20 - **2x**T25 - T27 - **2x**T30 - T40
- 7 — T10-T15-T20-T25-T27-T30-T40
- 4 — 3-4-5-6 mm

1/4" — 1/4"

Art. 3765

Art. 2750

Art.	⬢	
3795	**1/4"**	**25 mm**

129 x 72 x 35 mm

Long bit box

2-component box with 50 mm long bits

Caja de puntas largas

bimaterial, con puntas de largo 50 mm

Jogo de bits longos

Caixa em bimatéria com bits longos 50 mm

1/4" | S2 quality | 24 PCS

E6.3

DIN 3126
ISO 1173

1/4" — 50 mm

- 3 — 4.5-5.5-6.5 mm
- 2 — PH 1-2
- 4 — PZ1 - **2x**PZ2 - PZ3
- 10 — T10 - T15 - **2x**T20 - **2x**T25 - T27 - **2x**T30 - T40
- 4 — 3-4-5-6 mm

1/4" — 1/4"

129 × 72 × 35 mm

Art.	⬢	
3794	**1/4"**	**50 mm**

Universal bit case

with all current, special and security bits. Universal bit-screwdriver with 2-component handle

Estuche puntas

con todas las puntas habituales, especiales y de seguridad. Atornillador portapuntas con mango bimaterial

Mala de bits universais

com todos os bits normais e especiais. Chave universal de dois componentes no cabo.

1/4" C6.3 | 1/4" E6.3 | 138 PCS

DIN 3126
ISO 1173

220 x 150 x 45 mm

1/4" — 25 mm

6	4-4.5-5.5-6-6.5-8 mm
6	**2x**PH1 - **2x**PH2 - **2x**PH3
6	**2x**PZ1 - **2x**PZ2 - **2x**PZ3
28	**2x**T8 - **2x**T10 - **2x**T15 - **5x**T20 - **6x**T25 - **3x**T27 - **4x**T30 - **4x**T40
16	**2x**T8 - **2x**T10 - **2x**T15 - **2x**T20 - **2x**T25 - **2x**T27 - **2x**T30 - **2x**T40
15	TS10 - **2x**TS15 - **2x**TS20 - **3x**TS25 - **2x**TS27 - **3x**TS30 - **2x**TS40
5	3-4-5-6-8 mm
3	3-4-5 mm
3	Nos. 6-8-10
3	Nos. 1-2-3
4	Nos. 4-6-8-10
2	Nos. 1-2
3	M5-M6-M8
4	Nos. 1-2-3-4

1/4" — 50 mm

3	4-5.5-6.5 mm
3	PH 1-2-3
3	PZ 1-2-3
7	T10-T15-T20-T25-T27-T30-T40
2	3-6 mm

Art. 2750

10 — 4-5-6-7-8-9-10-11-12-13 mm

205 mm

Art. 4128

Art.	⬢		
2778	**1/4"**	**25 mm**	**50 mm**

Universal bit case

with 2 magnetic bit holders in solid bi-material case. Delivered with reversible ratchet bit-driver with bendable head (straight / pistol shape)

Caja universal de puntas

con 2 portapuntas magnéticos en caja sólida bimaterial. Incluye mango atornillador reversible con carraca (recto/doblado)

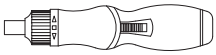
Jogo de bits universais

com 2 porta bits numa caixa sólida em bimatéria.
Com chave de bits com roquete reversível

1/4" C6.3 · 1/4" E6.3 · S2 quality · 114 PCS

DIN 3126
ISO 1173

204 x 118 x 44 mm



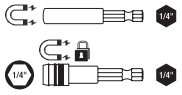
180 mm

1/4" — 75 mm

- 14 **7x**4mm - **7x**6mm
- 21 **7x**PH1 - **7x**PH2 - **7x**PH3
- 21 **7x**PZ1 - **7x**PZ2 - **7x**PZ3
- 14 **2x**T10 - **2x**T15 - **2x**T20 - **2x**T25 - **2x**T27 - **2x**T30 - **2x**T40
- 7 T10-T15-T20-T25-T27-T30-T40
- 21 **7x**4mm - **7x**5mm - **7x**6mm

1/4" — 75 mm

- 3 **3x**PH2
- 3 **3x**PZ2
- 7 T10 - T15 - **3x**T20 - T25 - T30



Art.	⬢		
99068	**1/4"**	**25 mm**	**75 mm**

TRIBIT bit tool case

with the TRIBIT ratchet handle, reverse function on both sides, 15° offset heads, for the direct drive of bits 1/4" and 5/16" and 1/4" dr. sockets. Universal composition with 53 bits and socket adapter 1/4" drive.

Estuche TRIBIT

con la llave con carraca TRIBIT, reversible de 2 lados, acodada 15º, con adaptación directa de puntas 1/4" y 5/16" y vasos 1/4". Juego con 53 puntas y adaptador vasos 1/4".

Jogo TRIBIT

com roquete TRIBIT, reversível dos dois lados, cabeça com 15º para adaptação directa dos bits 1/4" e 5/16" e chaves 1/4".
Jogo composto por 53 bits e adaptador para chaves caixa 1/4".

1/4" C6.3 · 5/16" DIN 3126-D8 · 72 · S2 quality · 55 PCS

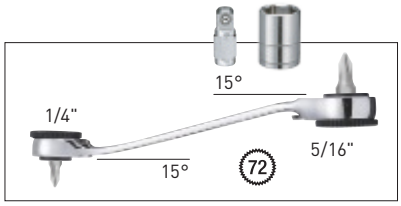
DIN 3126
ISO 1173

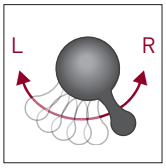
163 x 80 x 35 mm

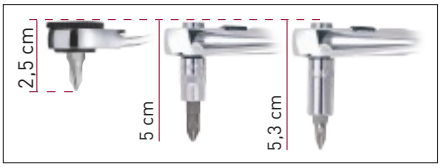
1/4"
- 3 4-5.5-6.5 mm
- 3 PH 0-1-2
- 3 PZ 0-1-2
- 7 T8-T10-T15-T20-T25-T27-T30
- 7 T8-T10-T15-T20-T25-T27-T30
- 6 3-4-5-6-7-8 mm
- 5/16" — 1/4"

5/16"
- 3 8-10-12 mm
- 2 PH 3-4
- 2 PZ 3-4
- 5 T40-T45-T50-T55-T60
- 5 T40-T45-T50-T55-T60
- 3 10-12-14 mm
- 4 M6-M8-M10-M12

Art.	⬢
4072	**1/4" + 5/16"**



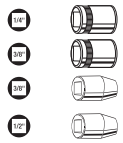




Special bit- and socket set
for TX, XZN-spline and RIBE-screws

Juego de llaves de vaso y puntas especiales
para tornillos TX, XZN y RIBE

Jogo de chaves de caixa e bits especiais
para parafusos TX, XZN e RIBE



3 E6-E7-E8
6 E10-E11-E12-E14-E16-E18

10 T10-T15-T20-T25-T27-T30-T40-T45-T50-T55
5 M4-M6-M8-M10-M12
10 M4-M5-M6-M7-M8-M9-M10-M12-M13-M14

Art.	⬢	
3792	**5/16"**	**30 mm**

1/4" 3/8" 1/2" 5/16" S2 quality 37 PCS

DIN 3126-D8
ISO 1173

221 x 114 x 45 mm

Impact driver set
for easy loosening of blocked or rusted screws and nuts

Estuche atornillador de impacto
para aflojar fácilmente los tornillos y tuercas bloqueados y oxidados

Jogo de impacto
para facilmente desbloquear parafusos e porcas bloqueados

4 6-8-10-12 mm
4 PH 1-2-3-4
4 T30-T40-T45-T50

Art. 2035A12
Art. 2035B38

Art.	⬢	
2035	**5/16"**	**36 mm**

5/16" 14 PCS

DIN 3126-D8
ISO 1173

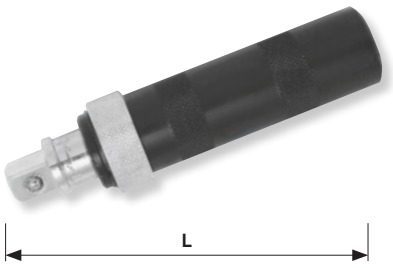
216 x 102 x 58 mm

Impact driver
for the set 2035

Mango atornillador impacto
para estuche 2035

Punho de impacto
para jogo 2035

Art.	■	L mm
2035S	**1/2"**	**143**



Impact driver set
for easy loosening of blocked or rusted screws and nuts

Estuche atornillador de impacto
para aflojar fácilmente los tornillos y tuercas bloqueados y oxidados

Jogo de impacto
para facilmente desbloquear parafusos e porcas bloqueados

5/16" · 23 PCS

DIN 3126-D8
ISO 1173

5/16"

- 4 — 6-8-10-12 mm
- 4 — PH 1-2-3-4
- 4 — PZ 1-2-3-4
- 4 — T30 - **2x**T40 - T45
- 5 — 4-5-6-8-10 mm

5/16"

- 3/8"

221 x 114 x 45 mm

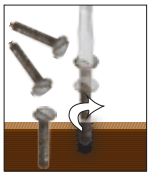
Art.	⬢
2036	**5/16"**

Screw extractor impact screwdriver set
to release rusted and damaged slotted and recessed head screws.

Juego de destornilladores de extractor de golpeo
para aflojar los tornillos de cabeza ranurada y tornillos de estrella oxidados y defectuosos.

Jogo de chaves de parafusos de extractor de impacto
para desbloquear parafusos de fenda e com cabeça com fenda cruzada enferrujados e/ou defeituosos.

2 PCS · SNCM



Art.	⊖	⊕	L mm
4149	**6.0 × 100 mm**	**PH2 × 100 mm**	195

Screw extractor
Extractor de espárragos
Extratores de parafusos

Art.	No.	<~>	Ø mm	L mm
3059-1	1	**M3-M6 1/8"-1/4"**	2.5	52
3059-2	2	**M6-M8 1/4"-5/16"**	3.0	57
3059-3	3	**M8-M11 5/16"-7/16"**	4.0	65
3059-4	4	**M11-M14 7/16"-9/16"**	6.0	75
3059-5	5	**M14-M18 9/16"-3/4"**	8.0	80
3059-6	6	**M18-M24 3/4"-1"**	11.0	98

Screw extractor set
Juego extractores de espárragos
Jogo de extratores de parafusos

6 PCS

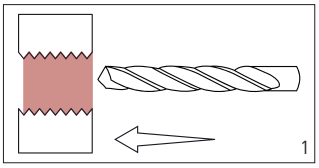
Art.	Nos.	<~>
3059	1-2-3-4-5-6	**M3-M24**

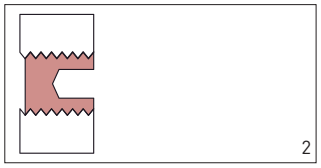
144 x 143 x 25 mm

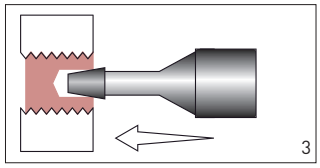
Bolt twister
Extractor de tornillos
Extractor de parafusos

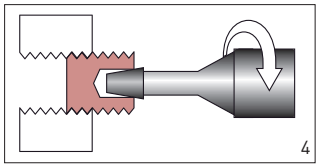
3/8" 1/2" NiCrMo

Art.	Ø mm	▢	L mm
3057-02	**2**	3/8"	60
3057-03	**3**	3/8"	60
3057-04	**4**	3/8"	60
3057-05	**5**	3/8"	60
3057-06	**6**	3/8"	60
3057-07	**7**	3/8"	60
3057-08	**8**	1/2"	78
3057-10	**10**	1/2"	78
3057-12	**12**	1/2"	78
3057-14	**14**	1/2"	78
3057-16	**16**	1/2"	78

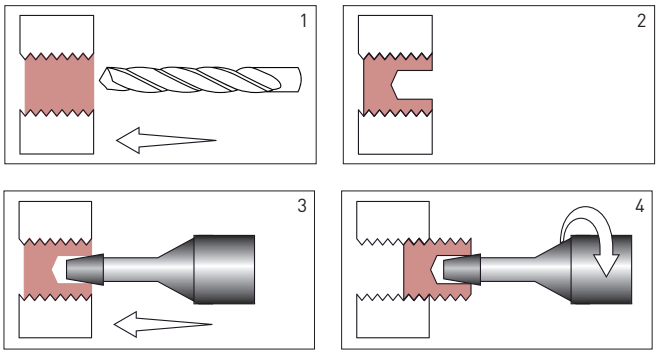








Bolt twister set
Juego de extractores de tornillos
Jogo de extractores de parafusos



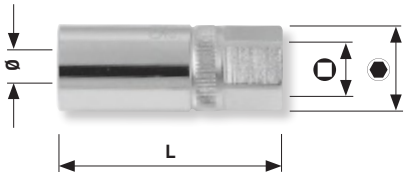
Art.	3/8" Ø mm	1/2" Ø mm
3057	2-3-4-5-6-7	8-10-12-14-16

3/8" 1/2" NiCrMo 11 PCS

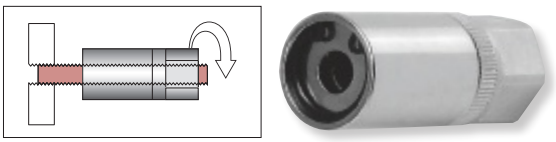
232 x 167 x 54 mm

Stud puller
Extractor a rodillo
Extractor de pernos

1/2"



Art.	Ø			L mm
3060-06	6 mm - 1/4"	1/2"	21 mm	60
3060-08	8 mm - 5/16"	1/2"	21 mm	60
3060-10	10 mm - 3/8"	1/2"	21 mm	69
3060-12	12 mm - 7/16"	1/2"	21 mm	69



Stud puller set
Juego de extractores a rodillo
Jogo de extractores de pernos

1/2" 4 PCS

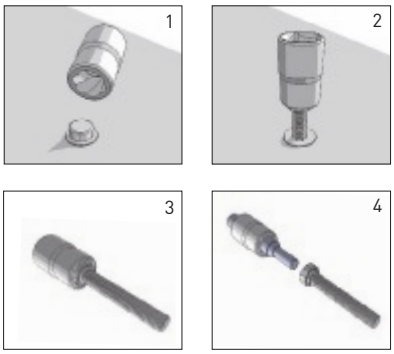
221 x 123 x 45 mm

Art.	Ø
3060	6-8-10-12 mm 1/4" - 5/16" - 3/8" - 7/16"

Twist socket
Extractor de tuercas
Extractor de porcas

1/2" NiCrMo

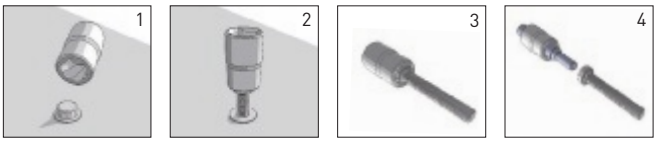
Art.	ø mm	
3058-10	10	1/2"
3058-11	11	1/2"
3058-12	12	1/2"
3058-13	13	1/2"
3058-14	14	1/2"
3058-15	15	1/2"
3058-16	16	1/2"
3058-17	17	1/2"
3058-19	19	1/2"



Twist socket set
Juego de extractores de tuerca
Jogo de extractores de porcas

1/2" NiCrMo 10 PCS

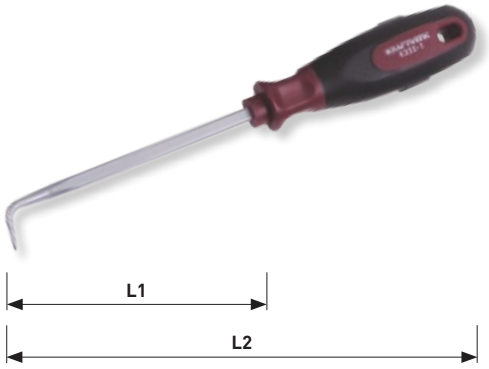
164 x 120 x 52 mm



Art.	ø mm
3058	10-11-12-13-14-15-16-17-19

ERGOKRAFT

Cotter pin puller
Garfio extractor
Gancho angular

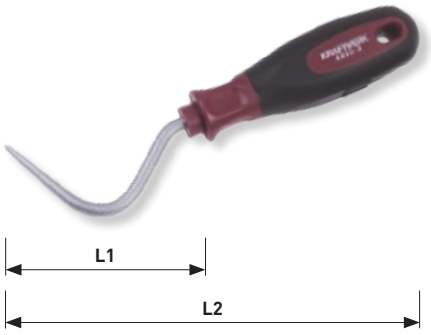


Art.	L1 mm	L2 mm
4322-1	127	230

Scraper awl
Lezna
Furador redondo

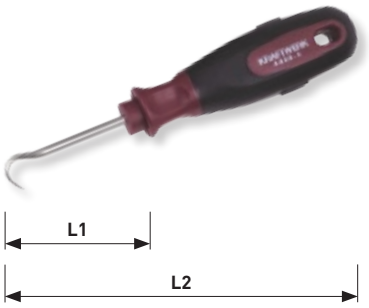
Art.	L1 mm	L2 mm
4322-2	120	225

Hose plucker
Garfio extractor de mangueras
Gancho



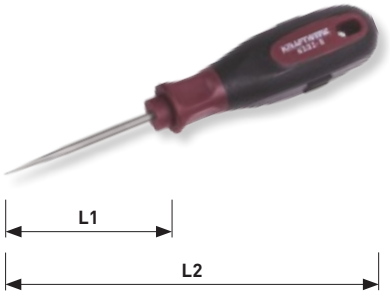
Art.	L1 mm	L2 mm
4322-3	80	185

Mini full hook
Mini gancho
Mini gancho



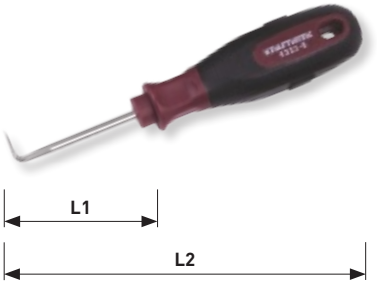
Art.	L1 mm	L2 mm
4322-4	50	130

Mini straight pick
Mini punzón
Mini furador redondo



Art.	L1 mm	L2 mm
4322-5	60	140

Mini hook
Mini gancho 90°
Mini gancho 90°



Art.	L1 mm	L2 mm
4322-6	50	130

Mini small angle hook
Mini gancho acodado
Mini gancho angular

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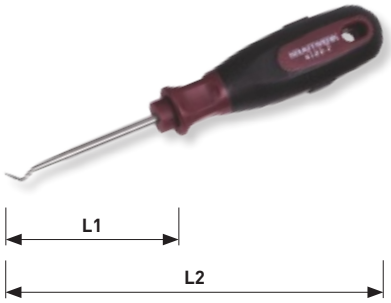


Art.	L1 mm	L2 mm
4322-7	60	140

Remover and pick set
Juego de ganzúas y picos
Conjunto de ganchos e furadores

7 PCS

ERGOKRAFT

Art.
4322

Flexible telescope magnetic pick up
Dedo magnético telescópico flexible
Pesca peças flexível magnético telescópico

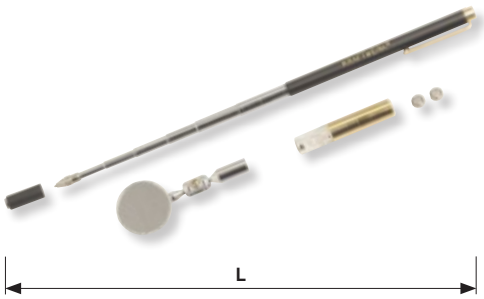
1500 g

Art.	Ø mm	L mm
3197	11	135 – 570

4-in-1 Magnetic pick-up set
Juego dedos magnéticos 4 en 1
Kit 4-em-1 pesca peças magnético e espelho

1500 g

4 PCS

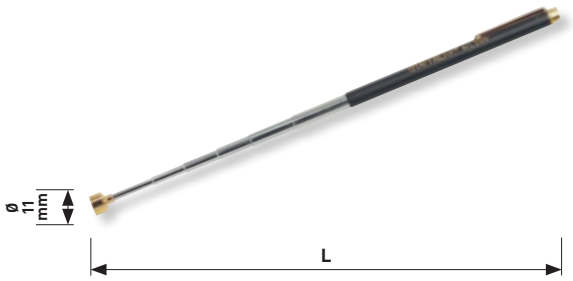


Art.	L mm
3188	130 – 630

Telescope magnetic pick up
Dedo magnético telescópico
Pesca peças telescopico magnético

Art.	Ø mm	L mm
3196	11	130 – 630

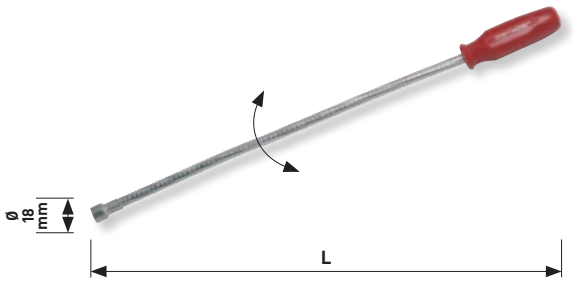
2000 g



Heavy duty flexible magnetic pick-up
Dedo magnético flexible
Pesca peças flexível magnético

Art.	Ø mm	L mm
3195	18	520

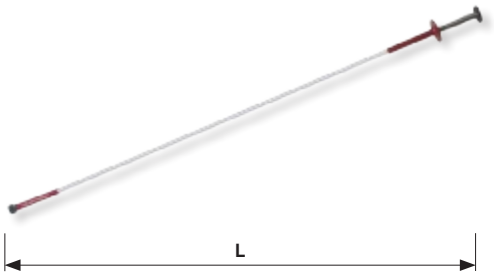
3500 g



Flexible pick-up claw with magnet
Garra magnética flexible
Garra flexível com íman

Art.	L mm
3198	700

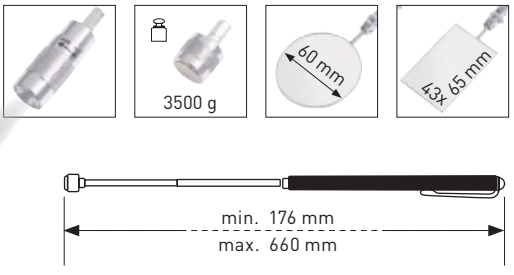
800 g



Magnetic pick-up, LED and mirror-set
Estuche dedos magnéticos/LED/set espejos
Kit pesca peças, espelho, LED

Art.	L mm
3190	176 - 660

5 PCS



245 x 117 x 49 mm

KRAFTWERK

Your notes / *Sus notas* / Suas notas

CHAPTER
CAPÍTULO
CAPÍTULO
5

Pliers collection
Colección de alicates
Coleçao de alicates

3C-SoftGrip

TitaniumFinish

TouchGrip

HIGHTECH 3C

The industrial pliers line
made of special steel, forged and oil hardened, with inductive hardened cutting edges, with free of glare and reflexion titanium finish. Maximum grip and ergonomics grace to "soft-grip" handles of the latest **3-component** technology, with impact protection.

La línea de alicates industriales
fabricados en acero especial, forjado, templado al aceite, con cortes de precisión endurecidos por inducción y con acabado titanium antireflejo.
*Máximo agarre y ergonomía gracias a mangos "soft-grip" de última tecnología de **3 componentes,** con protección contra impactos.*

A linha de alicates industriais
feitos em aço especial, forjados e endurecidos, com cortes de precisão endurecidos por indução, com acabamento em titânio sem reflexo. Máxima aderência e ergonomia, graças ao punhos "soft-grip" lida com a mais recente tecnologia **3-componente,** com proteção contra impacto.

ERGOKRAFT

Ergonomic 2 components grip
for maximal grip comfort and optimal power transmission, made of chrome-vanadium steel, chromed, mirror polished.

Mango bimaterial ergonómico
para una utilización más confortable y fuerza óptima, en acero cromo-vanadio, cromado, pulido brillante.

Punhos ergonómicos de 2 componentes
para máximo conforto e poder de transmissão brillante, em aço cromo-vanadium, cromado, polida.

Combination pliers
Alicate universal
Alicate universal

HIGHTECH 3C

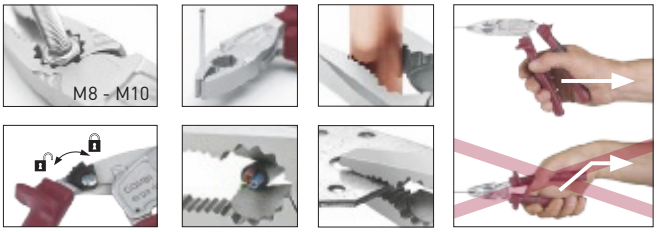
Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4271-165	10	4.0	2.0	**165**
4271-180	12	5.2	2.2	**180**
4271-205	13	5.9	2.5	**205**

Ergonomic combination pliers 45° - heavy duty
- With 45° angle head for muscle and tendon gentle working grace to the straight posture of the hand at gripping, turning and pulling.
- Higher torque by the leverage effect of the angle.

Alicate universal ergonómico 45° - para industria
- *Con cabeza angular 45º, respeta los músculos y tendones gracias a la postura recta de la mano al agarrar, girar y tirar.*
- *Mayor fuerza por el efecto del ángulo.*

Alicate universal ergonómica 45° - trabalho pesado
- Com cabeça angular de 45º para um trabalho ergonómico graças a posição direita da mão quando aperta, vira e puxa.
- Elevado torque devido ao efeito de alavanca.

HIGHTECH



Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4201-200P	13	2.5	5.9	**200**

Combination pliers
Alicate universal
Alicate universal

ERGOKRAFT

Art.	L mm
3281-160	**160**
3281-180	**180**
3281-200	**200**

Side cutting nippers
Alicate de corte diagonal
Alicate de corte diagonal

HIGHTECH 3C

220 N/mm²

1800 N/mm²

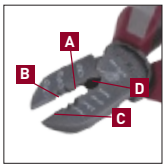
DIN ISO 5749

L

Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4272-145	8	5	1.7	**145**
4272-160	11	6	2.0	**160**
4272-180	13	7	2.5	**180**

Electrician side cutting nippers
Alicate de corte diagonal para electricista
Alicate de corte diagonal de electricista

HIGHTECH 3C



A crimping
prensar
prensagem

B stripping
pelar
descaramento
1.5-2.5 mm²

C cutting
cortar
corte

D bending
doblar
dobra

220 N/mm²

1800 N/mm²

L

Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4272-190	4	2	1	**190**

Side cutting nippers
Alicate de corte diagonal
Alicate de corte diagonal

ERGOKRAFT

DIN ISO 5749

L

Art.	L mm
3282-140	**140**
3282-160	**160**

High leverage side cutting nippers
Alicate de corte diagonal extra fuerte
Alicate de corte diagonal de alto desempenho

HIGHTECH 3C

750 N/mm²

1800 N/mm²

2300 N/mm²

DIN ISO 5749

L

Art.	M Ø mm	H Ø mm	P Ø mm	L mm
4273-180	3.7	2.6	2.2	**180**
4273-200	4.0	2.8	2.5	**200**

Heavy duty lever side cutting nippers
Extremely easy cutting with little strain grace to the ideal transmission of force with double-hinged design.

Alicate de corte diagonal extra fuerte con efecto palanca
Corte extremadamente fácil con poco esfuerzo gracias a la transmisión óptima de fuerza por el diseño de doble articulación.

Alicate de corte diagonal de alto desempenho
Corte extremamente fácil com pouco esforço devido a transmissão ideal de força com o design de articulação dupla.

HIGHTECH 3C

750 N/mm²

1800 N/mm²

2300 N/mm²

40% power saving
40% de ahorro de fuerza
40% de economia de força

L

Art.	M Ø mm	H Ø mm	P Ø mm	L mm
4274-200	4.5	3.5	3.0	**200**

High leverage side cutting nippers
Alicate de corte diagonal extra fuerte
Alicate de corte lateral

ERGOKRAFT

DIN ISO 5749

L

Art.	L mm
3283-180	**180**

Heavy duty lever end cutting nippers

Extremely easy cutting with little strain grace to the ideal transmission of force with double-hinged design.

Alicate de corte frontal extra fuerte con efecto palanca

Corte extremadamente fácil con poco esfuerzo gracias a la transmisión óptima de fuerza por el diseño de doble articulación.

Alicate de corte frontal de alto desempenho

Corte extremamente fácil com pouco esforço devido a transmissão ideal de força com o design de articulação dupla.

HIGHTECH

750 N/mm²

1800 N/mm²

2300 N/mm²

Art.	C Ø mm	M Ø mm	H Ø mm	L mm
4214-200	4.5	4.0	3.5	**200**

End cutting nippers

Alicate de corte frontal

Alicate de corte frontal

ERGOKRAFT

DIN ISO 5748

Art.	L mm
3284-160	**160**

Long nose pliers
Alicate de manipulación
Alicate de ponta semi-redonda

HIGHTECH 3C

DIN ISO 5745

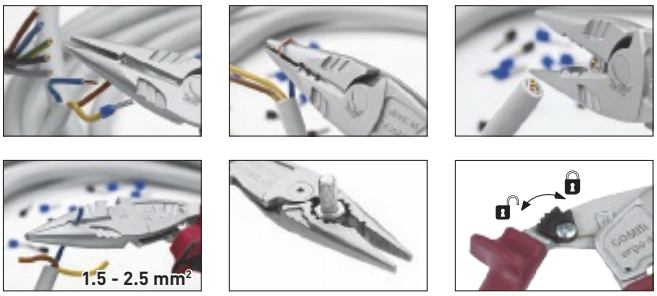
L

Art.	C Ø mm	H Ø mm	L mm
4275-170	2.5	1.6	**170**
4275-205	3.9	2.2	**205**

Multifunction long nose pliers 45°
- With 45° angle head for muscle and tendon gentle working grace to the straight posture of the hand at gripping, turning and pulling.
- Higher torque by the leverage effect of the angle.

Alicate de manipulación multifuncional 45°
- *Con cabeza angular 45º, respeta los músculos y tendones gracias a la postura recta de la mano al agarrar, girar y tirar.*
- *Mayor fuerza por el efecto del ángulo.*

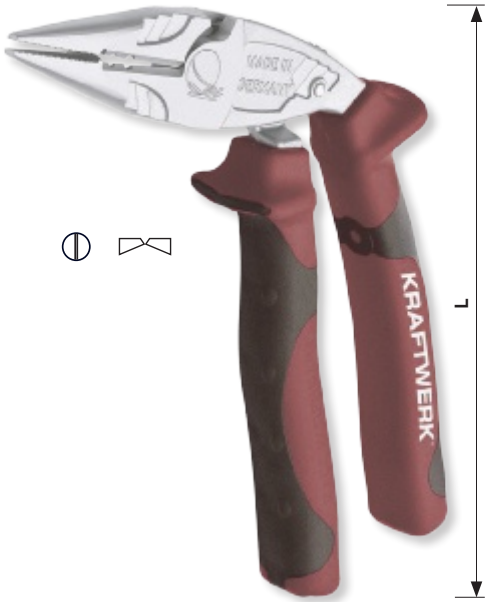
Alicate de ponta semi-redonda multi-função 45°
- Com cabeça angular de 45º para um trabalho ergonómico graças a posição direita da mão quando aperta, vira e puxa.
- Elevado torque devido ao efeito de alavanca.



HIGHTECH

220 N/mm²

1800 N/mm²



Art.	K mm²	K Ø mm	C Ø mm	H Ø mm	L mm
4205-200P	1.5-2.5	13	5.9	2.5	**200**

Long nose pliers
Alicate de manipulación
Alicate de ponta semi-redonda

ERGOKRAFT

Art.	L mm
3285-160	160
3285-200	200

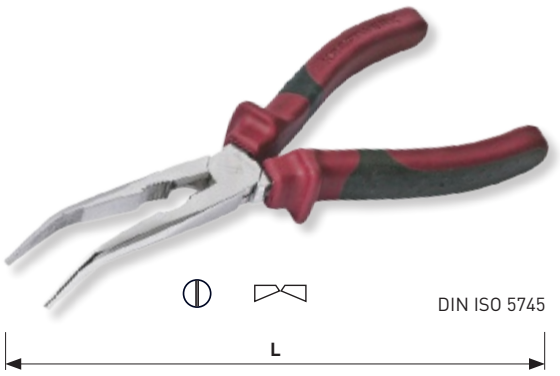
Long nose pliers, angled 45°
Alicate de manipulación, angular 45°
Alicate de ponta semi-redonda, angular 45°

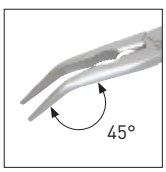
HIGHTECH 3C

Art.	C Ø mm	H Ø mm	L mm
4276-205	3.9	2.2	205

Long nose pliers, angled 45°
Alicate de manipulación, angular 45°
Alicate de ponta semi-redonda, angular 45°

ERGOKRAFT





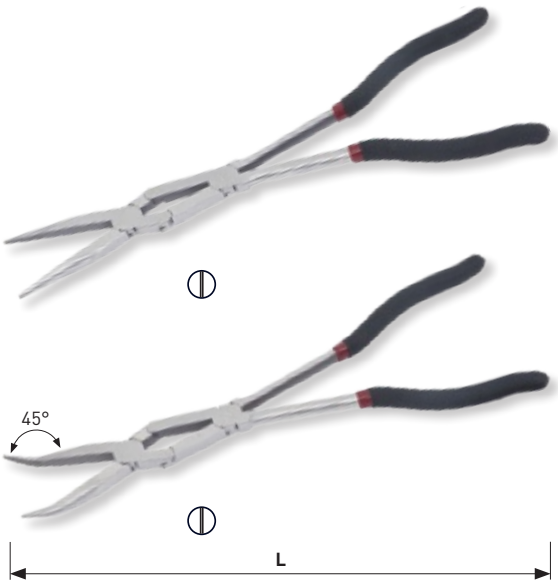
Art.	L mm
3286-200	200

Special double X pliers set
with 2 extra long nose pliers, straight and 45°.
Double-X-system for an optimal power transmission.

Juego alicates especiales doble X
con 2 alicates de manipulación extra largos, recto y 45°.
Sistema doble-X- para una óptima transmisión de fuerza.

Conjunto de alicates espciais duplo X
com 2 alicates de pontas extra longas, direitas e a 45º.
Sistema Duplo-X para uma excelente transmissão de força.

CrV 2 PCS



Art.	L mm
30001	330

Flat nose pliers
Alicate con bocas planas
Alicate de pontas planas

HIGHTECH 3C

Art.	L mm
4277-160	160

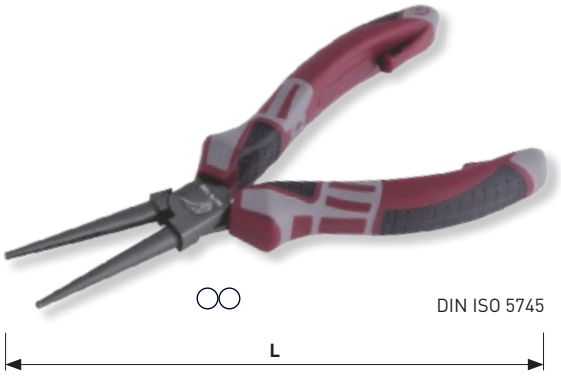
Flat nose pliers
Alicate con bocas planas
Alicate de pontas planas

ERGOKRAFT

Art.	L mm
3287-160	160

Round nose pliers
Alicate con bocas redondas
Alicate de pontas redondas

HIGHTECH 3C



Art.	L mm
4278-160	160

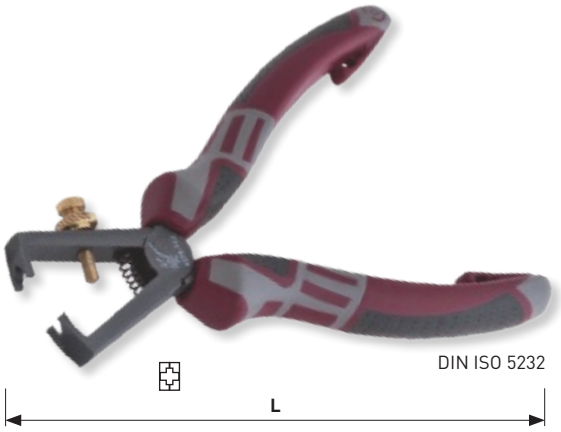
Round nose pliers
Alicate con bocas redondas
Alicate de pontas redondas

ERGOKRAFT

Art.	L mm
3288-160	160

Wire stripping pliers
Alicate pelacables
Alicate descarnador de fio

HIGHTECH 3C



Art.	K mm²	K Ø mm	L mm
4279-160	0.5 - 10	5	160

Multifunction wire stripping pliers
Alicate pelacables multifuncional
Alicate descarnador de fio multifunções

HIGHTECH 3C

220 N/mm²

1800 N/mm²

Art.	K mm²	K Ø mm	C Ø mm	H Ø mm	L mm
4279-180	5 - 16	11	6	2	**180**

DIN ISO 5745

L

Wire stripping pliers
Alicate pelacables
Alicate descarnador de fio

ERGOKRAFT

DIN ISO 5232

L

Art.	K mm²	K Ø	L mm
3289-160	0.5 - 10	5	**160**

Pliers set
Juego de alicates
Jogo de alicates

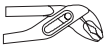
4 PCS

ERGOKRAFT

DIN ISO 5746 — 180 mm — Art. 3281-180

DIN ISO 5749 — 160 mm — Art. 3282-160

DIN ISO 5745 — 200 mm — Art. 3285-200

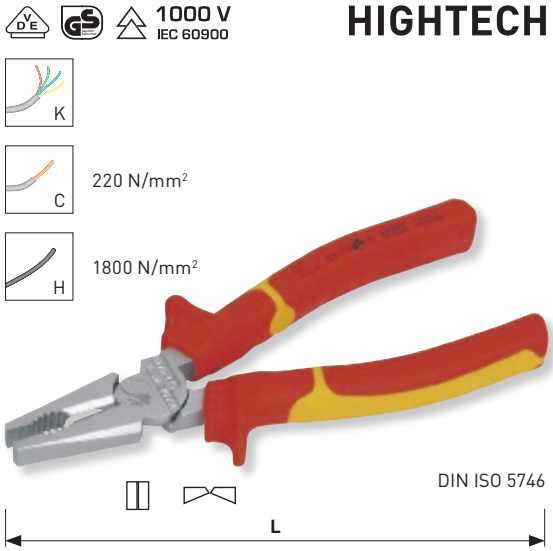

DIN ISO 8976 — 250 mm — Art. 2221-250

Art.
3292

Isolated combination pliers 1000 V
Alicate universal aislado 1000 V
Alicate universal isolado 1000 V

1000 V IEC 60900

HIGHTECH



Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4211-180	12	5.2	2.2	**180**

Isolated combination pliers 1000 V
Alicate universal aislado 1000 V
Alicate universal isolado 1000 V

1000 V IEC 60900

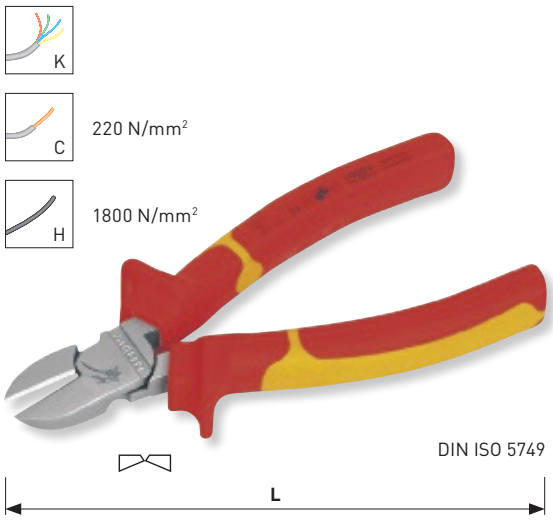
ERGOKRAFT

Art.	L mm
3281-180V	**180**

Isolated side cutting nippers 1000 V
Alicate de corte diagonal aislado 1000 V
Alicate de corte diagonal isolado 1000 V

1000 V IEC 60900

HIGHTECH



Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4212-160	11	6.0	2.0	**160**
4212-180	13	7.0	2.5	**180**

Isolated side cutting nippers 1000 V
Alicate de corte diagonal aislado 1000 V
Alicate de corte diagonal isolado 1000 V

1000 V IEC 60900

ERGOKRAFT

DIN ISO 5749

L

Art.	L mm
3282-160V	160

Isolated high leverage side cutting nippers 1000 V
Alicate de corte diagonal extra fuerte aislado 1000 V
Alicate de corte diagonal de alta multiplicação isolado 1000 V

1000 V IEC 60900

HIGHTECH

H 1800 N/mm²

P 2300 N/mm²

DIN ISO 5749

L

Art.	H Ø mm	P Ø mm	L mm
4213-180	2.6	2.2	180
4213-200	2.8	2.5	200

Isolated long nose pliers 1000 V
Alicate de manipulación aislado 1000 V
Alicate de ponta semi-redonda isolado 1000 V

1000 V IEC 60900

HIGHTECH

C 220 N/mm²

H 1800 N/mm²

DIN ISO 5745

L

Art.	C Ø mm	H Ø mm	L mm
4215-205	3.9	2.2	205

Isolated long nose pliers 1000 V
Alicate de manipulación aislado 1000 V
Alicate de ponta semi-redonda isolado 1000 V

1000 V IEC 60900

ERGOKRAFT

DIN ISO 5745

Art.	L mm
3285-200V	200

Isolated long nose pliers, angled 45° 1000 V
Alicate de manipulación, angular 45°, aislado 1000 V
Alicate de ponta semi-redonda, angular 45°, isolado 1000 V

1000 V IEC 60900

HIGHTECH

220 N/mm²

1800 N/mm²

DIN ISO 5745

Art.	C Ø mm	H Ø mm	L mm
4216-205	3.9	2.2	205

Isolated wire stripping pliers 1000 V
Alicate pelacables aislado 1000 V
Alicate descarnador de fio isolado 1000 V

1000 V IEC 60900

HIGHTECH

DIN ISO 5232

Art.	K mm²	K Ø mm	L mm
4219-160	0.5 - 10	5	160

Isolated wire stripping pliers 1000 V
Alicate pelacables aislado 1000 V
Alicate descarnador de fio isolado 1000 V

1000 V IEC 60900

ERGOKRAFT

DIN ISO 5232

Art.	K mm²	K Ø mm	L mm
3289-160V	0.5 - 10	5	**160**

Isolated cable-cutter 1000 V
Alicate cortacables aislado 1000 V
Alicate corta-cabo isolado 1000 V

1000 V IEC 60900

HIGHTECH

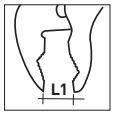
Art.	K mm² Al + Cu	K Ø Al + Cu	L Ø mm
4210-160	50	16	**160**
4210-210	70	25	**210**

Isolated water pump pliers 1000 V
Tenaza para bomba de agua aislada 1000 V
Alicate bomba de água isolado 1000 V

1000 V IEC 60900

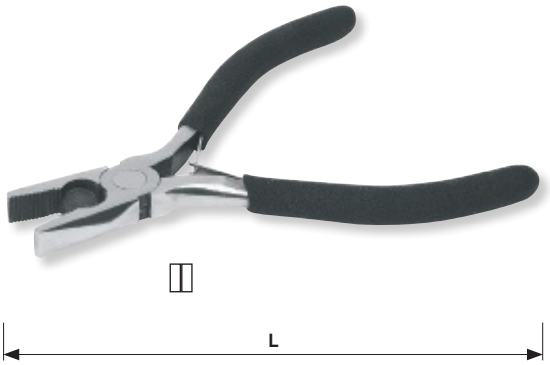
HIGHTECH

DIN ISO 8976



Art.	L1 mm	L2 mm
4220-250	50	**250**

Electronic linesman pliers
Alicate universal electrónica
Alicate universal electrónico



Art.	L mm
2236	110

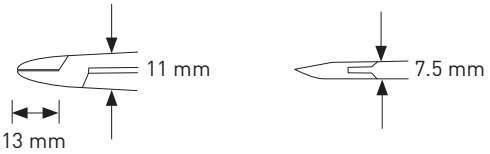
Electronic side cutting nippers
Alicate electrónica de corte diagonal
Alicate electrónico de corte diagonal

HIGHTECH

220 N/mm²

1800 N/mm²

2300 N/mm²



Art.	C Ø mm	H Ø mm	P Ø mm	L mm
4235-115	1.2	0.6	0.4	115

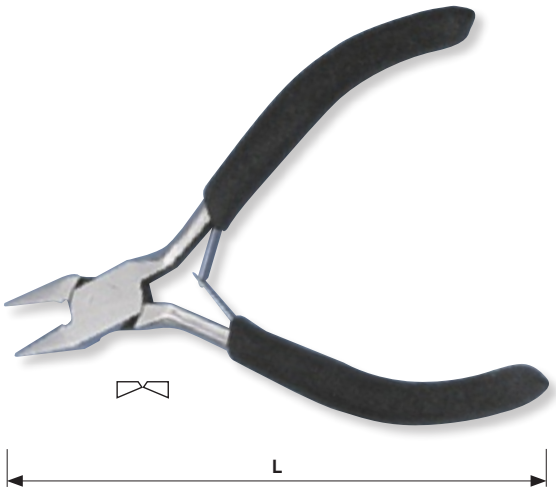
Electronic round head side cutting nippers
Alicate electrónica de corte diagonal, rasante
Alicate electrónico de corte diagonal, cabeça redonda

Art.	L mm
2234	110

Electronic triangle head sice cutting nippers

Alicate electrónica de corte diagonal, semirasante

Alicate electrónico de corte diagonal, cabeça triangulo



Art.	L mm
2235	105

Electronic end cutting nippers

Alicate electrónica de corte frontal

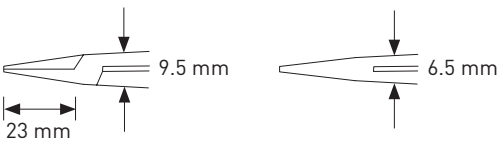
Alicate electrónico de corte lateral

Art.	L mm
2237	100

Electronic plain long nose pliers

Alicate electrónica de manipulación, bocas lisas

Alicate eletrônico de pontas semi-redondas suaves



Art.	L mm
4233-115	115

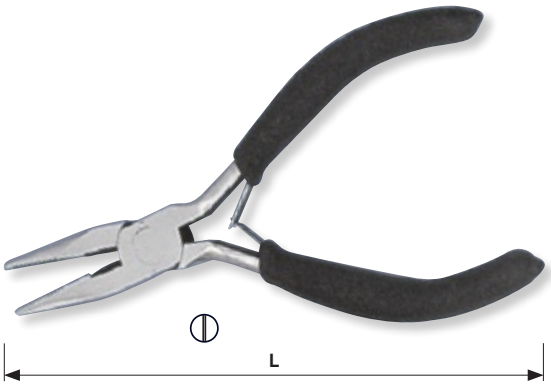
HIGHTECH

Electronic long nose pliers

Alicate electrónica de manipulación, bocas largas

Alicate electrónico de pontas semi-redondas

Art.	L mm
2231	120

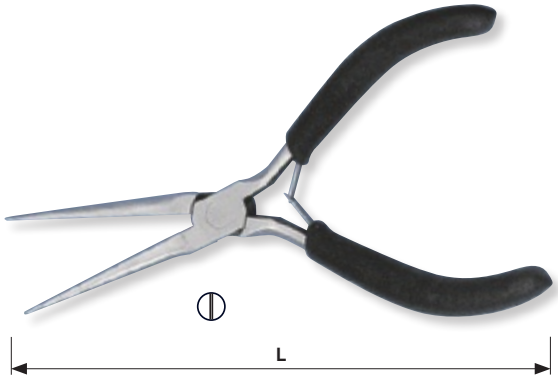


Electronic extra long nose pliers

Alicate electrónica de manipulación, bocas extra-largas

Alicate electrónico de pontas semi-redondas longas

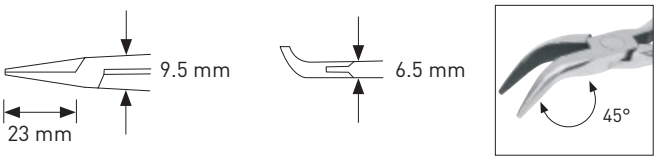
Art.	L mm
2232	150



Electronic plain long nose pliers, angled 45°

Alicate electrónica de manipulación, angular 45°, bocas lisas

Alicate electrónico de pontas semi-redondas suaves, angular 45°



Art.	L mm
4234-115	115

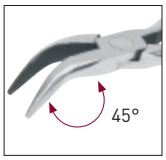
ESD

HIGHTECH

Electronic long nose pliers, angled 45°

Alicate electrónica de manipulación, angular 45°

Alicate electrónico de pontas semi-redondas, angular 45°

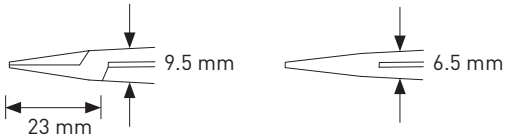


Art.	L mm
2238	115

Electronic plain flat nose pliers

Alicate electrónica con bocas planas lisas

Alicate electrónico de pontas planas suaves



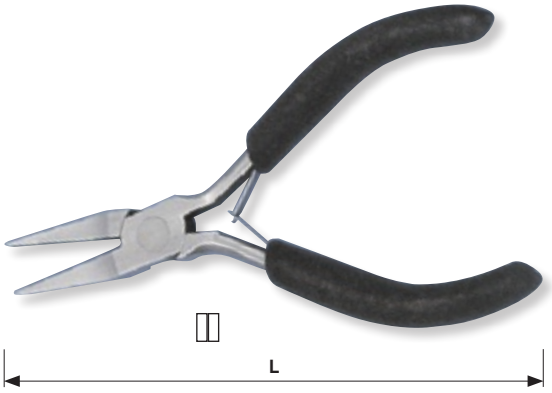
Art.	L mm
4231-115	115

Electronic flat nose pliers

Alicate electrónica con bocas planas

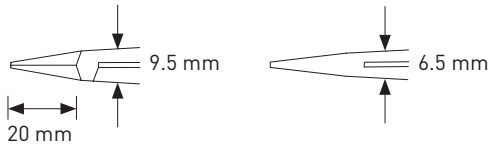
Alicate electrónico de pontas planas

Art.	L mm
2233	120



Electronic round nose pliers
Alicate electrónica con bocas redondas
Alicate electrónico de pontas redondas

HIGHTECH



Art.	L mm
4232-115	115

Carpenter's pincers
Tenaza para carpintero
Turquês de carpinteiro

HIGHTECH

Art.	L mm
4242-180	180
4242-210	210
4242-250	250

Carpenter's pincers
Tenaza para carpintero
Turquês de carpinteiro

Art.	L mm
2216-180	180
2216-200	200

High leverage tower pincers
Tenaza de encofrador extra fuerte
Turquês de carpinteiro de alto desempenho

45% POWER

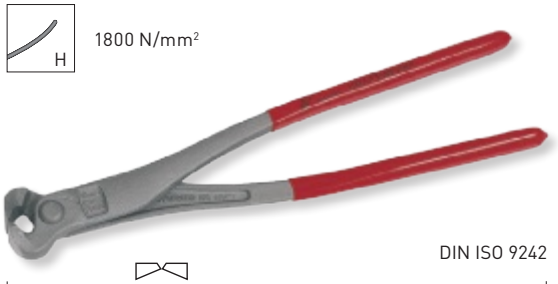
HIGHTECH

220 N/mm²

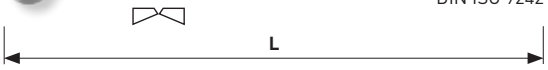
750 N/mm²

1800 N/mm²

Art.	C Ø mm	M Ø mm	H Ø mm	L mm
4241-230	4.2	3.4	2.4	**230**
4241-260	4.2	3.8	2.6	**260**
4241-300	4.2	4.0	2.8	**300**



DIN ISO 9242



Tower pincers
Tenaza rusa
Alicate turquesa

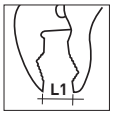
DIN ISO 9242

Art.	L mm
2217-250	**250**
2217-280	**280**

Water pump pliers
with inverted security box joint

Tenaza para bombas de agua
con articulación machihembrada de seguridad

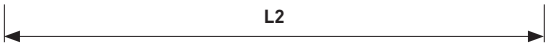
Alicate tipo bomba de água
com articulação de encaixe de passagem de segurança



HIGHTECH

Art.	L1 mm	L2 mm
4223-180	40	**180**
4223-240	50	**240**
4223-300	65	**300**
4223-400	100	**400**

DIN ISO 8976

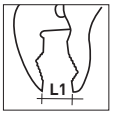


Water pump pliers
with inverted security box joint and direct adjusting push-button

Tenaza para bombas de agua
con articulación machihembrada de seguridad y botón de presión para ajuste directo

Alicate tipo bomba de água
com articulação de encaixe de passagem de segurança e botão de pressão de ajuste

HIGHTECH



DIN ISO 8976

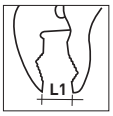
L2

Art.	L1 mm	L2 mm
4222-180	35	**180**
4222-250	50	**250**
4222-300	65	**300**

4Grip Water pump pliers
with inverted security box joint, direct adjusting push-button and automatic jaw adjustment = press the button, open the pliers, release the button and push the bottom jaw precisely to the workpiece! Dual serrated jaws for all kind of workpieces and nail-/wireholder. Safety protection for the fingers in every position. Compact, slim and robust.

Tenazas para bombas de agua 4Grip
con articulación de encaje y bisagra de seguridad, botón de ajuste de presión y ajuste automático de la mandíbula = presione el botón, abra la pinza y posicione la boca superior en la pieza. Bocas con doble dentado para todo tipo de piezas, clavos o alambres. Protección de seguridad para dedos en cualquier posición. Compacto, fino y robusto.

Alicate tipo bomba de água 4Grip
com articulação de encaixe de passagem de segurança, botão de pressão de ajuste e ajuste automático do maxilar = pressione o botão, abra o grampo e coloque na peça. Maxilares com duplo mordentes em forma de diamante para todas as peças, pregos e arame. Proteção de aperto em cada posição. Compacto, fino e robusto.



4GRIP

HIGHTECH

DIN ISO + 40%

DIN ISO 8976

L2

Art.	L1 mm	L2 mm
4224-250	50	**250**
4224-320	75	**320**
4224-400	100	**400**
4224	Set / *Juego* / Jogo 4224-250 + 4224-320	**250 + 320**

drag & drop

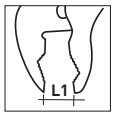
2 PCS

Water pump pliers
with box joint and soft-grip handles

Tenaza para bombas de agua
con articulación machihembrada y mango soft-grip

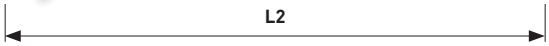
Alicate tipo bomba de água
com articulação de encaixe de passagem e cabos soft-grip

Art.	L1 mm	L2 mm
3290-175	25	**180**
3290-250	32	**250**
3290-300	42	**300**
99067	Set / *Juego* / Jogo	**180 + 250 + 300**



ERGOKRAFT

DIN ISO 8976



3 PCS

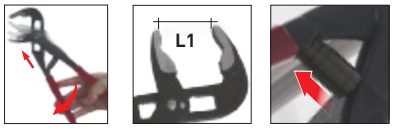
Automatic water pump pliers
with practical automatic adjustment for one-hand operation, optimal for narrow spaces. Isolated soft-grip handles.

Pinzas automáticas Quick-Grip
regulables con una sola mano, óptimo para espacios estrechos. Mango aislado.

Alicates bomba água Quick-Grip
Regulável com uma mão apenas. Óptimo para espaços apertados. Pegas isoladas.

Art.	L1 mm	L2 mm	L2 inch
3266-180	32	**180**	7"
3266-250	40	**250**	10"
3266-300	50	**300**	12"
3266SET	**32+40+50**	**180+250+300**	**7"+10"+12"**

3 PCS

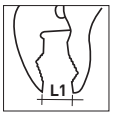


Pliers wrench
with inverted security box joint, direct adjusting push-button and swivelling, parallel gripping jaws.

Tenaza llave
con articulación de encaje y bisagra de seguridad, botón de ajuste de presión y ajuste automático de la mandíbula.

Alicate extensível tipo bomba de água
com articulação de encaixe de passagem de segurança, botão de pressão de ajuste e maxilares paralelos e móveis.

HIGHTECH



DIN ISO 8976

L2

Art.	L1 mm / "	L2 mm
4225-250	0-53 / 0-2	**250**

Swedish pattern pipe wrench
head 45°, angled S-type jaw

Llave grifa modelo sueco
cabeza 45°, dentado en "S"

Chave de tubos tipo sueca
cabeça 45°, mordente "S"

L2

Art.	L1 inch	L2 mm
5406-320	1"	**320**
5406-420	1-1/2"	**420**
5406-540	2"	**540**

Stillson pattern pipe wrench
Llave grifa modelo Stillson
Chave de tubos tipo Stillson

L

Art.	L mm / inch
5405-250	**250 / 10"**
5405-350	**350 / 14"**
5405-450	**450 / 18"**
5405-600	**600 / 24"**
5405-900	**900 / 36"**

Pipe wrench with adjustable head

"Stillson"-type, with aluminium die cast body and 180° swivel aluminium handle, jaws made of chrome-molybdenum steel, infinitely adjustable with the knurling nut, maximum jaw-opening 2" / 52 mm.

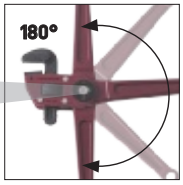
Llave grifa con cabeza regulable

tipo "Stillson", con cuerpo de aluminio fundido, cabeza de aluminio regulable a 180º, bocas en acero cromo molibdeno, apertura regulable máximo 2" / 52 mm.

Chave de tubos com várias posições de cabeça

tipo "Stillson", com corpo em alumínio fundido, cabeça em alumínio regulável a 180º, bocas em aço molibdeno, abertura regulável 2" / 52 mm.

Art.
5405-290



Step wrench set

5 steps, with go-through ratchet handle and socket adapter 1/2" dr.

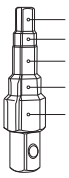
Juego de llave de montaje graduada

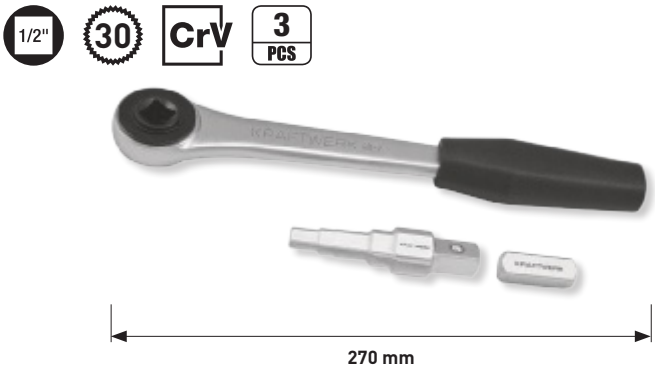
5 graduaciones, con carraca pasante y adaptador llaves de vaso 1/2"

Jogo de chave de montagem escalonada

5 escalas, com roquete de aperto e adaptador chaves de caixa

Art.	
5461SET	10 mm 3/8" 11 mm 7/16" 12.5 mm 1/2" 16 mm 5/8" 21 mm 13/16"



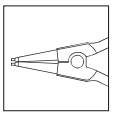


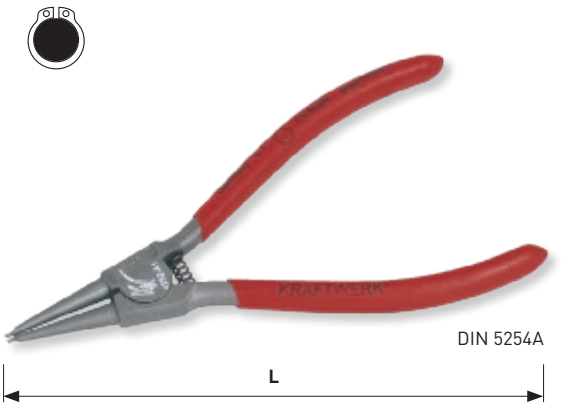
Circlips pliers
for external rings, opening straight tips, with spring

Alicate para arandelas
exteriores, puntas abiertas y rectas

Alicate de freios
exteriores, pontas direitas abertas, com mola

HIGHTECH



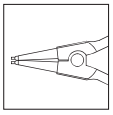


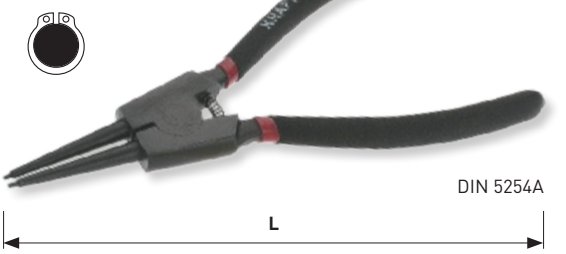
Art.	Typ / mm	Ø mm	L mm
4252-A0	A0 / 3-10	0.9	**135**
4252-A1	A1 / 10-25	1.3	**135**
4252-A2	A2 / 19-60	1.8	**175**
4252-A3	A3 / 40-100	2.3	**220**
4252-A4	A4 / 85-165	3.2	**310**

Circlips pliers
for external rings, opening straight tips, with spring

Alicate para arandelas
exteriores, puntas abiertas y rectas

Alicate de freios
exteriores, pontas direitas abertas, com mola





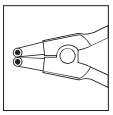
Art.	Typ / mm	Ø mm	L mm
2212-A2	A2 / 19-60	1.8	**180**

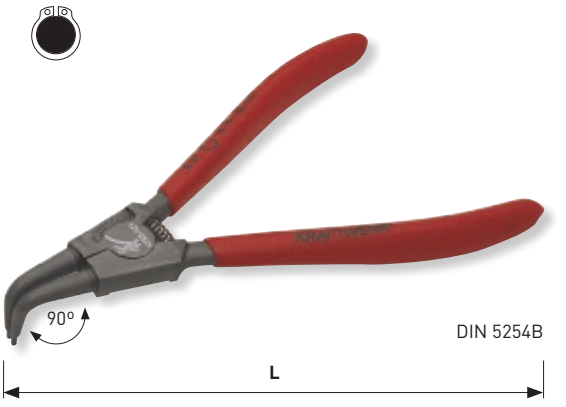
Circlips pliers
for external rings, opening 90° bent tips, with spring

Alicate para arandelas
exteriores, puntas abiertas y curvas en ángulo de 90°

Alicate de freios
exteriores, pontas angulares de 90° abertas

HIGHTECH





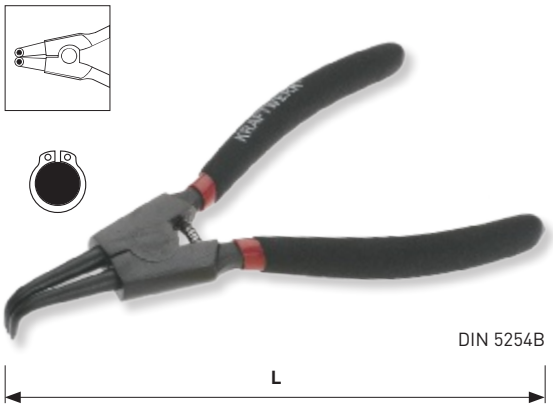
Art.	Typ / mm	Ø mm	L mm
4253-A01	A01 / 3-10	0.9	**125**
4253-A11	A11 / 10-25	1.3	**125**
4253-A21	A21 / 19-60	1.8	**165**
4253-A31	A31 / 40-100	2.3	**200**
4253-A41	A41 / 85-165	3.2	**290**

Circlips pliers
for external rings, opening 90° bent tips, with spring

Alicate para arandelas
exteriores, puntas abiertas y curvas en ángulo de 90°

Alicate de freios
exteriores, pontas angulares de 90° abertas

Art.	Typ / mm	Ø mm	L mm
2213-A21	A21 / 19-60	1.8	**165**



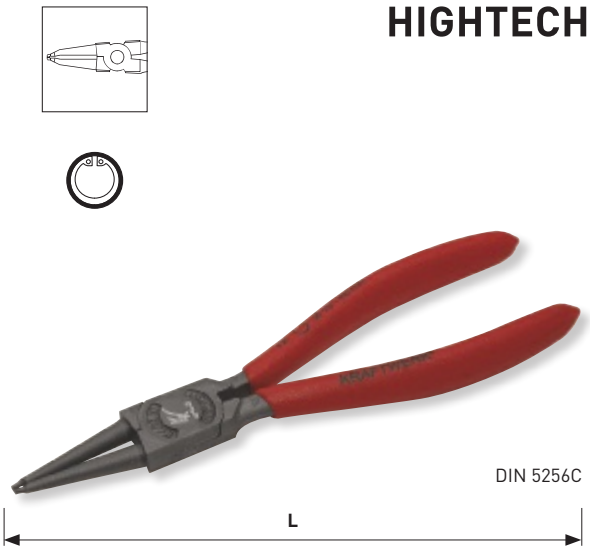
Circlips pliers
for internal rings, closing straight tips

Alicate para arandelas
interiores, puntas cerradas y rectas

Alicate de freios
interiores, pontas direitas fechadas

HIGHTECH

Art.	Typ / mm	Ø mm	L mm
4254-J0	J0 / 8-13	0.9	**135**
4254-J1	J1 / 12-25	1.3	**135**
4254-J2	J2 / 19-60	1.8	**175**
4254-J3	J3 / 40-100	2.3	**220**
4254-J4	J4 / 85-165	3.2	**310**

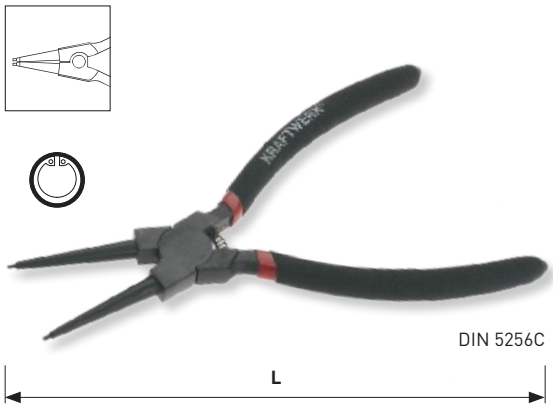


Circlips pliers
for internal rings, closing straight tips

Alicate para arandelas
interiores, puntas cerradas y rectas

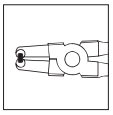
Alicate de freios
interiores, pontas direitas fechadas

Art.	Typ / mm	Ø mm	L mm
2214-J2	J2 / 19-60	1.8	**180**

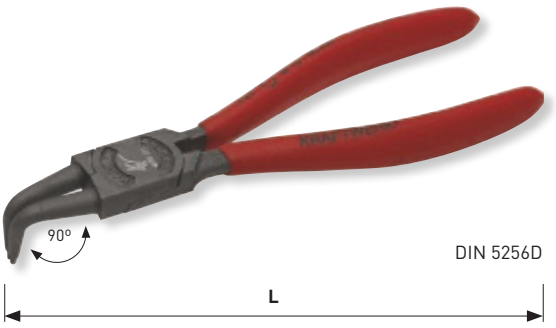


Circlips pliers
for internal rings, closing 90° bent tips
Alicate para arandelas
interiores, puntas cerradas y curvas en ángulo de 90°
Alicate de freios
interiores, pontas angulares de 90° fechadas

HIGHTECH

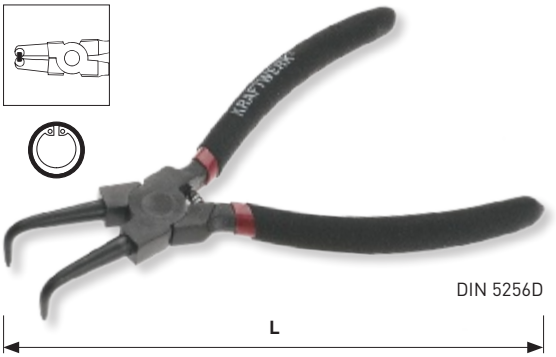


Art.	Typ / mm	ø mm	L mm
4255-J01	J01 / 8-13	0.9	**125**
4255-J11	J11 / 12-25	1.3	**125**
4255-J21	J21 / 19-60	1.8	**165**
4255-J31	J31 / 40-100	2.3	**200**
4255-J41	J41 / 85-165	3.2	**290**



Circlips pliers
for internal rings, closing 90° bent tips
Alicate para arandelas
interiores, puntas cerradas y curvas en ángulo de 90°
Alicate de freios
interiores, pontas angulares de 90° fechadas

Art.	Typ / mm	ø mm	L mm
2215-J21	J21 / 19-60	1.8	**165**

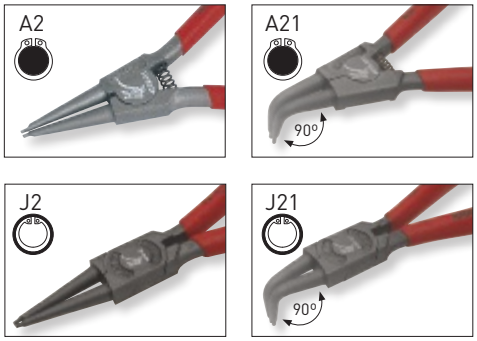


HIGHTECH

Circlips pliers set
Juego de alicates para arandelas
Jogo de alicates de freios

4 PCS

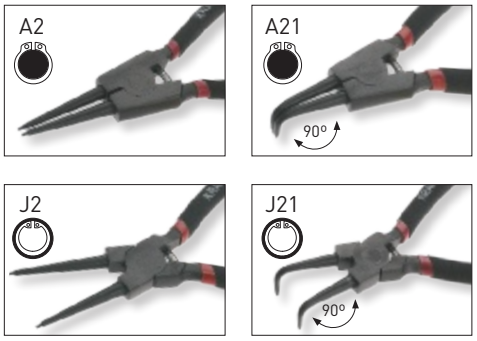
Art.	content / *contiene* / contém
4286	4252-A2, 4253-A21, 4254-J2, 4255-J21



Circlips pliers set
Juego de alicates para arandelas
Jogo de alicates de freios

4 PCS

Art.	content / *contiene* / contém
2212	2212-A2, 2213-A21, 2214-J2, 2215-J21



Combined 4-in-1 circlips pliers

for external and internal circlips from 10 to 50 mm, with 4 tip-heads for 180°, 90°, 45° to be changed within seconds, for 6 different applications.

Alicate combinado 4-en-1 para arandelas

exteriores e interiores de 10 a 50 mm con 4 cabezas de puntas de 180°, 90°, 45°. Cambio de cabezas en segundos para 6 usos diferentes.

Alicate combinado 4-em-1 para freios

exteriores e interiores de 10 a 50 mm com 4 cabeças de ponta para 180°, 90°, 45°. Trocando cabeças em segundos para 6 aplicações diferentes.

4 PCS

Art.	Typ / mm	ø mm	L mm
2211	A1-A2, J1-J2 / 10-50 mm	1.35	**155**

HIGHTECH

Hose clip pliers

Alicate para racores

Alicate para abraçadeiras

Art.	L mm
4251-175	**175**

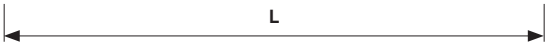
AUTOMOTIVE

Tire balancing wheel weight plier

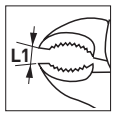
Alicate para el equilibrado de ruedas

Alicate para pesos

Art.	L mm
4256-240	**240**



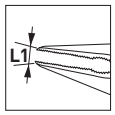
Curved jaws locking pliers
Tenaza grip de bocas curvas
Alicate de pressão maxilas côncavas



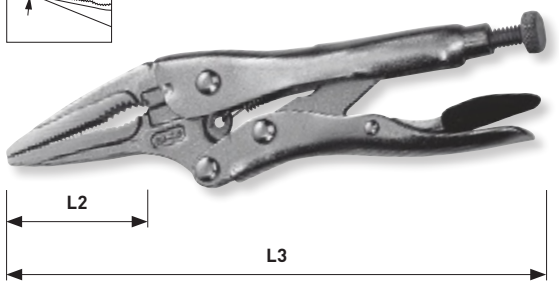
CrMo

Art.	L1 mm	L2 mm / inch
3292-175	43	max. 175 / 7"
3292-250	58	max. 250 / 10"

Long nose locking grip pliers
Tenaza grip de bocas largas
Alicate de pressão bicos longos

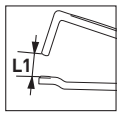


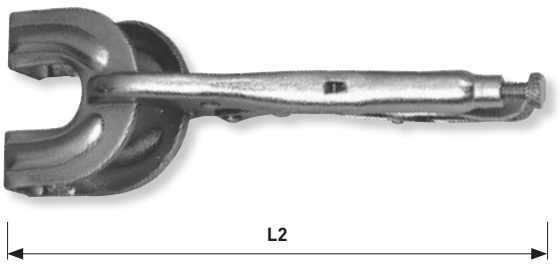
CrMo



Art.	L1 mm	L2 mm	L3 mm / inch
3292-150	50	45	max. 150 / 6"

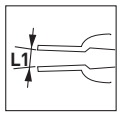
Locking welding clamp
Tenaza grip para soldador
Alicate de pressão para soldadura

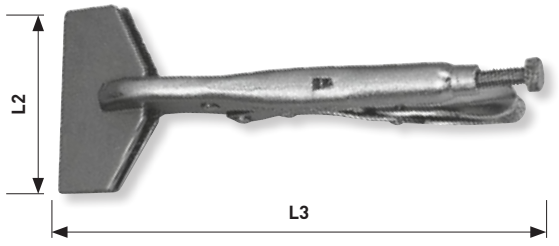




Art.	L1 mm	L2 mm / inch
2252-225	41	max. 225 / 9"

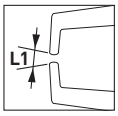
Sheet metal clamp
Tenaza grip para chapa
Alicate de pressão para latoeiros

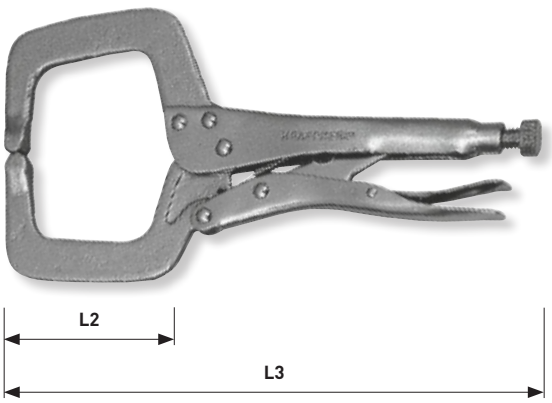




Art.	L1 mm	L2 mm	L3 mm / inch
2253-200	48	79	max. 200 / 8"

Locking "C"- clamp pliers
Mordaza grip de cuello de cisne
Alicate de pressão pescoço de cisne





Art.	L1 mm	L2 mm	L3 mm / inch
2254-275	95	95	max. 275 / 11“

Revolving punch pliers
Pinza sacabocados de revolver
Alicate vazador

HIGHTECH

Art.	Ø mm	L mm
4248-220	2 - 4.5	220

Lever action revolving punch pliers
Pinza sacabocados de revolver con función carraca
Alicate vazador com função roquete

HIGHTECH

Art.	Ø mm	L mm
4248-250	2 - 4.5	250

Revolving punch and eyelet pliers
Pinza de sacabocados y ojales de revolver
Alicate vazador e colocação de olhais

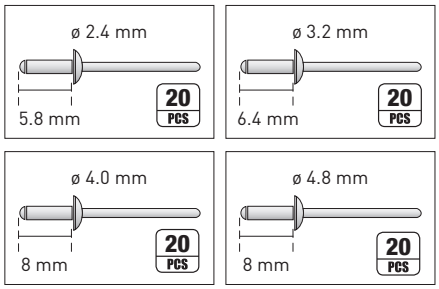
HIGHTECH

Art.	Ø mm	L mm
4249-220	4 - 5	220

Hand riveter
Remachadora manual
Alicate de rebitar manual

Art.	ø mm	L mm
2223	2.4-3.2-4.0-4.8	**250**

Hand riveter set
Kit remachadora manual
Conjunto de alicates de rebitar manual



Art.	ø mm	pcs.
2224	2.4-3.2-4.0-4.8	20

Nozzle for hand riveter
Boquilla para remachadora manual
Nariz para alicate de rebitar manual

Art.	ø mm
2223-2.4	2.4
2223-3.2	3.2
2223-4.0	4.0
2223-4.8	4.8

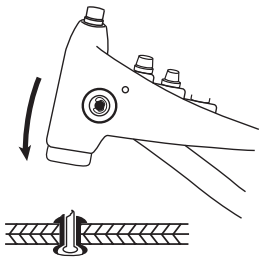
Pair of jaws for hand riveter
Par de mordazas para remachadora manual
Par de garras para alicate de rebitar manual

Art.
2223-01

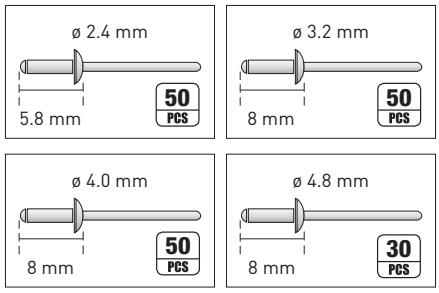
Industrial hand riveter tool case
Estuche remachadora manual industrial
Kit de alicates de rebitar manual industrial

Alu steel inox

HIGHTECH



320 x 148 x 48 mm



Art.	ø mm
4261	2.4-3.2-4.0-4.8

Nozzle for hand riveter
Boquilla para remachadora manual
Nariz para alicate de rebitar manual

Art.	ø mm
4261-1	2.4
4261-2	3.2
4261-3	4.0
4261-4	4.8

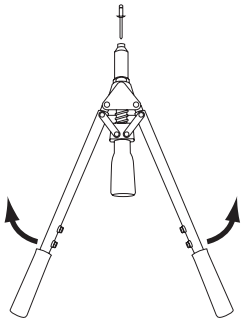
Pair of jaws for hand riveter
Par de mordazas para remachadora manual
Par de garras para alicate de rebitar manual

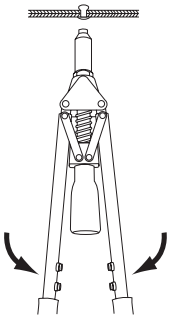
Art.
4261-5

Industrial lever type hand riveter tool case
Estuche remachadora manual con efecto palanca
Kit de alicate de rebitar de braços industrial

Alu steel inox

HIGHTECH





575 x 185 x 52 mm

Art.	ø mm
4262	3.2-4.0-4.8-6.0-6.4

Nozzle for hand riveter
Boquilla para remachadora manual
Nariz para alicate de rebitar manual

Art.	ø mm
4262-1	3.2
4262-2	4.0
4262-3	4.8
4262-4	6.0
4262-5	6.4

Jaws for hand riveter
Bocas para remachadora manual
Garras para alicate de rebitar manual

Art.
4262-7

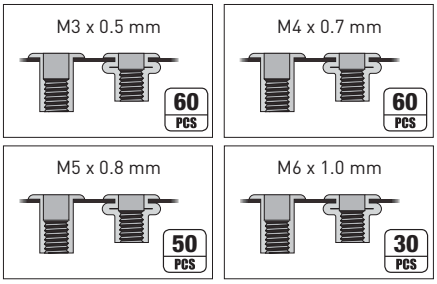
Nozzle Monobolt for hand riveter
Boquilla Monobolt para remachadora manual
Nariz Monobolt para alicate de rebitar manual

Art.	ø mm
4262-8	4.8/5 MB
4262-9	6.4mm MB

Industrial hand rivet nut tool case
Estuche de remachadora de tuerca industrial
Kit de alicate de rebitar manual industrial

Alu steel inox

HIGHTECH



Art.	
4263	M3-M4-M5-M6

320 x 148 x 48 mm

Rivet nut nozzle
Boquilla para remachadora de tuerca
Nariz para alicate de rebitar

Art.	
4263-1	M3
4263-2	M4
4263-3	M5
4263-4	M6

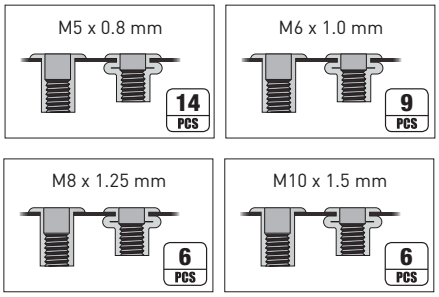
Thread bolt for hand rivet nut tool
Repuesto para remachadora de tuerca
Cabeça parafuso para alicate de rebitar

Art.	Ø
4263-5	M3
4263-6	M4
4263-7	M5
4263-8	M6

Industrial lever hand rivet nut tool kit
Estuche de remachadora de tuerca extrafuerte
Kit de alicates de rebitar de braços industrial

Alu steel inox

HIGHTECH



575 x 185 x 52 mm

Art.	
4264	M5-M6-M8-M10

Threaded mandrel and nose piece
Cabezal para remachadora de tuerca
Mandril e bico para alicate de rebitar de braços industrial

Art.	
4264-1	M4
4264-2	M5
4264-3	M6
4264-4	M8
4264-5	M10

Bolt cutter
with specially precisely polished heads made of chrome molybden steel. Ergonomic bi-material handles.

Cortavarilla
con cabezas pulido especial, realizado en acero cromo molibdeno. Mangos ergonómicos bimateriales.

Corta parafusos
com cabeças especiais polidas, fabricado em aço cromo molibdénio. Punhos ergonómicos bimatéria.

CrMo

HIGHTECH

Art.	15 HRC mm	35 HRC mm	L mm / inch
4260-18	8	6	**450 / 18"**
4260-24	10	8	**600 / 24"**
4260-30	13	10	**750 / 30"**
4260-36	16	11	**900 / 36"**
4260-42	18	13	**1050 / 42"**

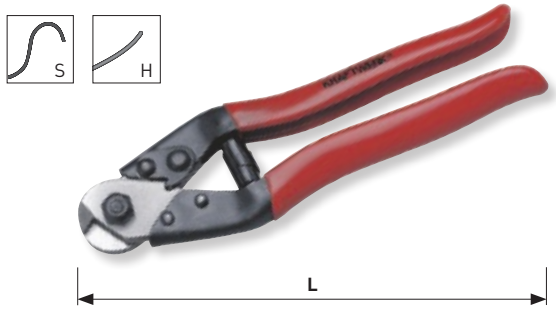
Spare-head-set for bolt cutter
Recambio boca cortavarillas
Cabeça para corta parafusos

HIGHTECH

Art.	L mm / inch
4260-18E	450 / 18"
4260-24E	600 / 24"
4260-30E	750 / 30"
4260-36E	900 / 36"
4260-42E	1050 / 42"

Mini cable cutter
Juego cuchillas para cortavarillas
Mini Corta Cabos

Art.	H mm	S mm	L mm
2262-07	2.5	4.0	195



Strap wrench
Llave de correa
Chave de cinta

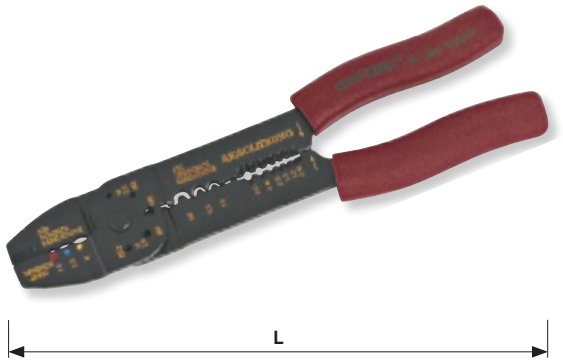
Art.	ø mm	L mm / inch
5418-300	0 - 225mm / 9"	300 / 12"

Tube bender 3 in 1
Curvadora 3 en 1
Curvador de tubos 3 em 1

Art.	ø	⊂	L mm
5451	1/4" - 3/8" Cu / Me / Al	max. 180°	225

Crimping pliers
Alicate para engastar terminales
Alicate de cravar terminais

Art.	mm²	mm²	L mm
2225	1.5 - 6	1.5 - 6	**240**



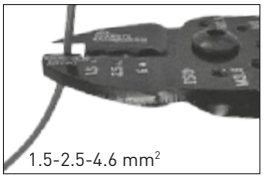
5-in-1 crimping and wire stripping pliers
hardened and with ground edges for professional and industrial use.

Alicate para engastar con pelacables "5 en 1"
endurecido y con bordes redondeados para uso profesional e industrial.

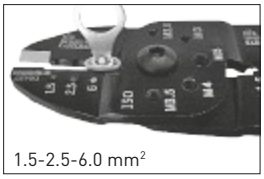
Alicate 5-em-1 cravar e descarnar
endurecido para uso profissional e industrial.

ERGOKRAFT

Art.	mm²	mm²	L mm
3290-230	1.5 - 6	1.5 - 6	**230**

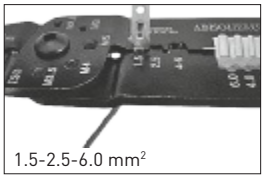


Wire cutter
Corta cable
Corta fios

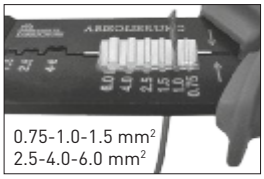


Crimping pliers for insulated terminals
Alicate para engastar terminales no aislados
Crava terminais isolados

Bolt cutter
Para pernos
Corta parafusos



Crimping pliers for open barrel terminals
Engastar terminales abiertos
Crava terminais abertos



Wire Stripper for cables
Pelacables
Descarnador de fios

Ratchet lever crimping pliers
with interchangeable jaws including crimping jaws for insulated terminals and closed, non insulated terminals and non insulated ferrules.

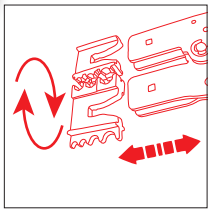
Alicates de carraca para engastar terminales
con cabezales intercambiables para terminales de cables aislados y terminales de cables sin aislar.

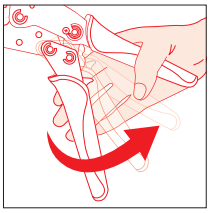
Alicate de roquete para cravar terminais
com cabeças intermutáveis incluindo para terminais isolados e terminais não-isolados.

12 PCS

DIN 0.5-1.0 / 1.5-2.5 / 4-6 mm²
AWG 22-18 / 16-14 / 12-10

DIN 1.5 / 2.5 / 6 / 10 mm²
AWG 20-18 / 16-14 / 12-10 / 8
JIS 1.25 / 2 / 5.5 / 8 mm²





Art.	incl.	L mm
3254	1x 3254-01 1x 3254-02	**220**

Ratchet lever crimping pliers case

with interchangeables jaws including crimping jaws for insulated terminals and closed, non insulated terminals and non insulated ferrules.
Empty compartments for supplementary jaws or to store terminals.

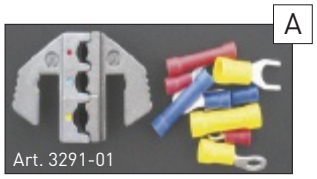
Estuche de alicates de carraca para engastar terminales

con cabezales intercambiables para terminales de cables aislados y terminales de cables sin aislar.
Compartimentos vacíos para los cabezales suplementarios y depósito de terminales.

Alicate de roquete para cravar terminais em Estojo

com cabeças intermutáveis incluindo para terminais isolados e terminais não-isolados.
Compartimentos vazios para cabeças suplementares.
Gli scomparti vuoti possono essere utilizzati per le ganasce supplementari o per i terminali non utilizzati.

280 x 150 x 40 mm



DIN 0.5-1.0 / 1.5-2.5 / 4-6 mm²
AWG 20-18 / 16-14 / 12-10

DIN 1.5 / 2.5 / 6 / 10 mm²
AWG 20-18 / 16-14 / 12-10 / 8
JIS 1.25 / 2 / 5.5 / 8 mm²

Ratchet lever crimping pliers without jaw

Alicate de carraca para engastar terminales sin cabezal intercambiable

Alicate de Roquete para cravar terminais sem cabeça

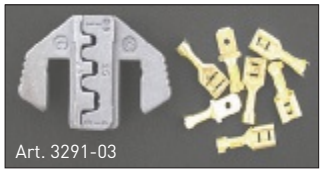
Art.	incl.	L mm
3291	1x 3291-01 1x 3291-02	**220**

Art.	L mm
3291-220	**220**

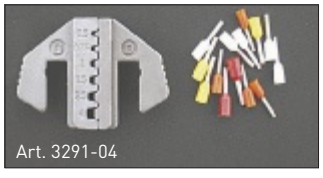
Optional crimp jaws

Bocas opcionales

Opcional crimp morre



DIN 0.5-1.0 / 1.5-2.5 / 4-6 mm²
AWG 20-18 / 16-14 / 12-10



DIN 0.5 / 0.75 / 1.0 / 1.5 / 2.5 / 4.0 mm²
AWG 22 / 20 / 18 / 16 / 14 / 12

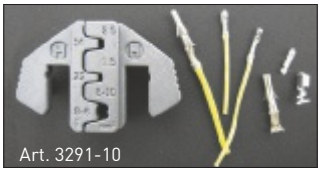
Coaxial RG 58.59.62.6.
6.48 / 5.41 / 2.5 / 1.72 / 8.23 mm²
0.255 / 0.213 / 0.1 / 0.68 / 0.324"

DIN 6 / 10 / 16 mm²
AWG 10 / 8 / 6

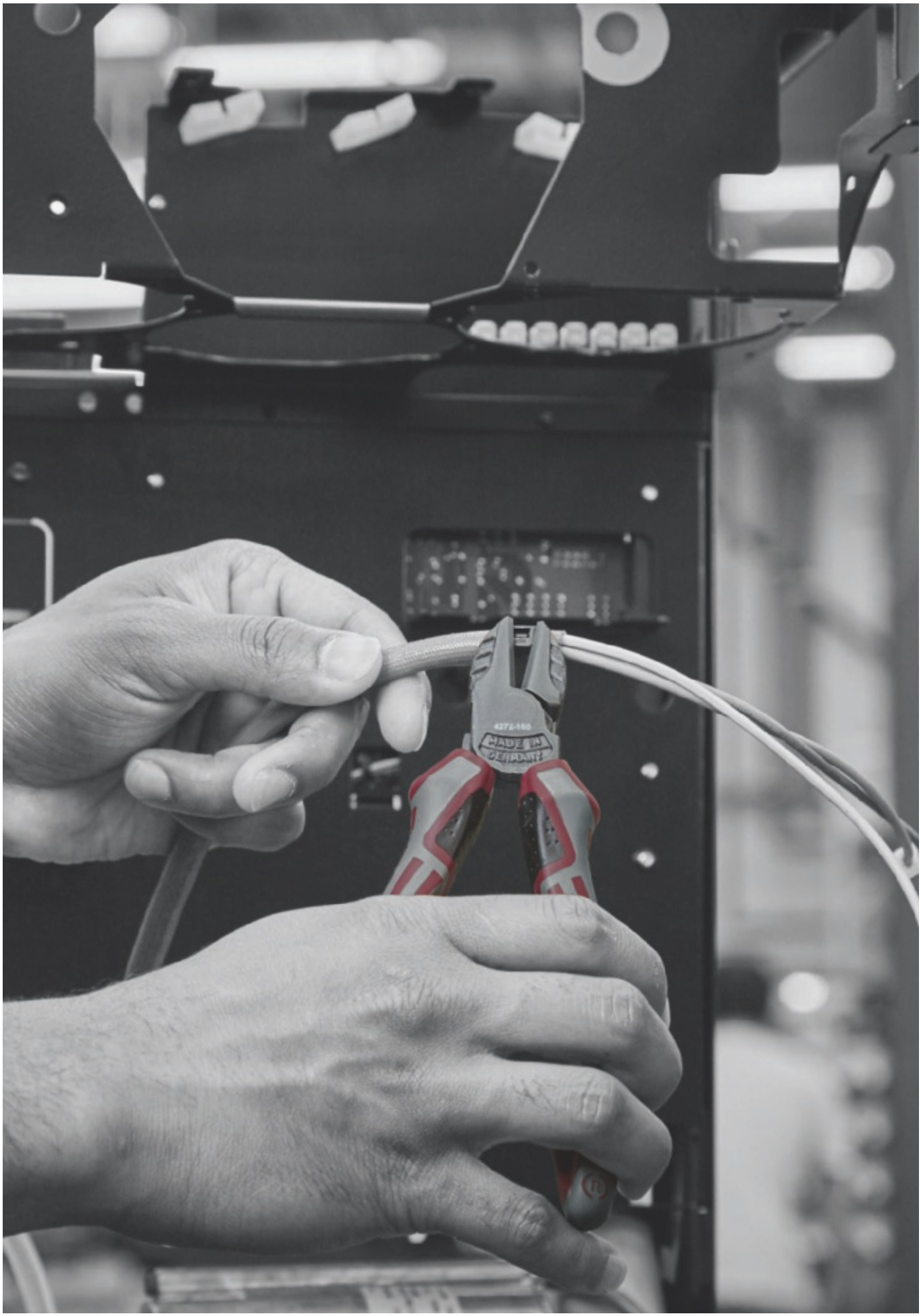
4P4C / RJ22

6P2C / 6P4C / RJ11
6P6C / RJ12

8P8C / RJ45



DIN 2.5 / 0.5 / 8-10 mm²
AWG 14 / 22 / 8-6


MADE IN
GERMANY

Your notes / *Sus notas* / Suas notas

CHAPTER
CAPÍTULO
CAPÍTULO

6

Utility knife with trapezoid blade

with metal body and 2-material handle, 3-positions adjustable blade, integrated cord-cutter and integrated blade-storage with 5 blades in the handle.

Cúter universal de lamas trapezoidales

con cuerpo metàlico y mango bimaterial, lama ajustable de 3 posiciones, cortacables integrado y 5 cuchillas de recambio dentro del mango.

Faca universal de lamina trapezoidal

com corpo de metal e punho em bimatéria, lâmina ajustável por 3 posições, corta fois incorporado, 5 laminas extra dentro do cabo.

Art.	L mm
3301	180

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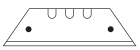
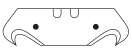
Option:


Art. 3303


Art. 3303H

Jackknife with trapezoid blade

with ergonomic, non slip 2-component handle. Safety quick-release mechanism for the blade. Quick locking system of the blade-holder. Including 10 trapezoid blades with dispenser.

Cúter trapezoidal plegable

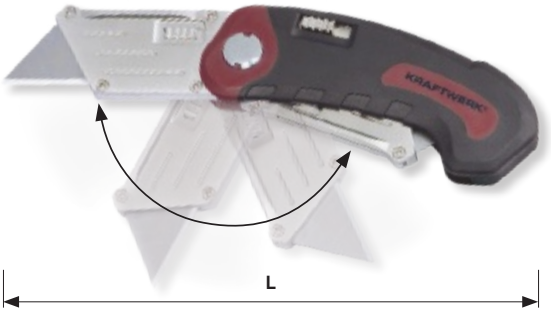
con mango ergonómico bimaterial antideslizante. Mecanismo de seguridad para la extracción de la hoja. Sistema de fijación rápido de la hoja. Incluye 10 hojas trapezoidales con dispensador.

Faca com lâminas trapezoidais

cabo ergonómico de 2 componentes. Sistema de segurança na lâmina. Sistema de bloqueio do suporte de lâmina.
Inclui 10 lâminas.

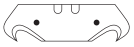
Art.	L mm
3304	155

ERGOKRAFT



Option:

Art. 3303


Art. 3303H

Universal safety cutter with trapezoid blade

with metal body and safety spring, which results in an automatic retension of the blade after releasing the button.

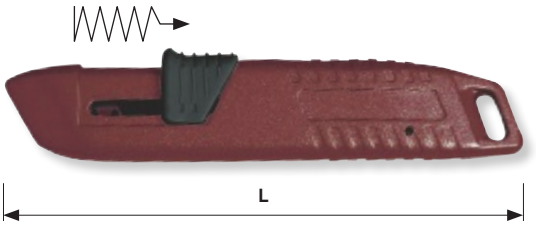
Cúter universal de securidad de lamas trapezoidales

con cuerpo metálico y muelle de seguridad, para la retensión automática de la lama después de soltar el botón.

Faca de segurança com lâminas trapezoidais

com corpo de metal e mola de segurança para retension automático da lâmina depois de soltar o botão.

Art.	L mm
3302	150



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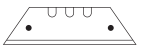
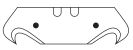

Art. 3303


Art. 3303H

Trapezoid blade set

for cutters 3301, 3302 and 3304. Dispenser with 5 pieces

Cuchillas trapezoidales de recambio

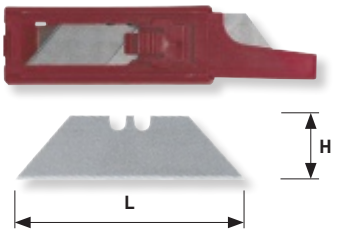
para cuters 3301, 3302 y 3304. Dispensador con 5 piezas

Jogo de lâminas trapezoidais

para facas 3301, 3302 e 3304. Dispositivo com 5 peças

Art.	L mm	H mm
3303	65	19

5 PCS

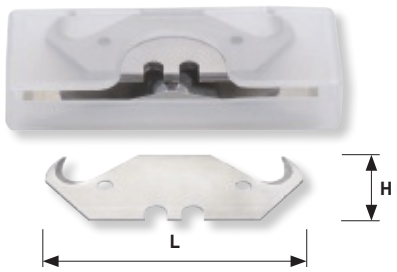


Hook blade set
for cutters 3301, 3302 and 3304. Dispenser with 5 pieces

Cuchillas de gancho de recambio
para cuters 3301, 3302 y 3304. Dispensador con 5 piezas

Jogo de lâminas trapezoidais gancho
para facas 3301, 3302 e 3304. Dispositivo com 5 peças

5 PCS



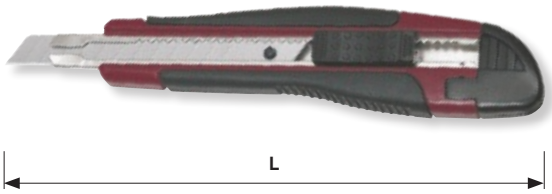
Art.	L mm	H mm
3303H	50	19

Snap-off cutter
Ergonomic ABS-handle with soft grip. Stainless steel blade guide, automatic blade locking system. Including 3 snap-off blades.

Cúter universal de hoja fraccionable
Mango ergonómico ABS con agarre suave. Guía de la hoja de acero inoxidable, sistema automático de bloqueo de la hoja.
Incluye 3 hojas de repuesto con filos múltiples fraccionables.

X-acto
Corpo ergonômico ABS com grip macio. Guia de lâmina de aço inoxidável, sistema de bloqueio da lâmina automática.
Inclui 3 lâminas divisiveis.

ERGOKRAFT



Art.	L mm
3310	135

Art. 3313

Snap-off cutter
with solid metal body. Stainless steel blade guide, automatic blade locking system.

Cúter universal de hoja fraccionable
con cuerpo metálico. Guía de la hoja de acero inoxidable, sistema automático de bloqueo de la hoja.

X-acto
com corpo métalico. Guia de lâmina de aço inoxidável, sistema de bloqueio da lâmina automática.

Art.	L mm
3317	130

Art. 3313

Stainless steel snap-off cutter
with slim body, safety-lock and metal clip

Cúter universal en acero inoxidable
con cuerpo delgado, bloqueo automático de la hoja y clip de bolsillo.

X-acto de aço inoxidável
modelo plano com fecho segurança e clip de bolso

Art.	L mm
3311	129

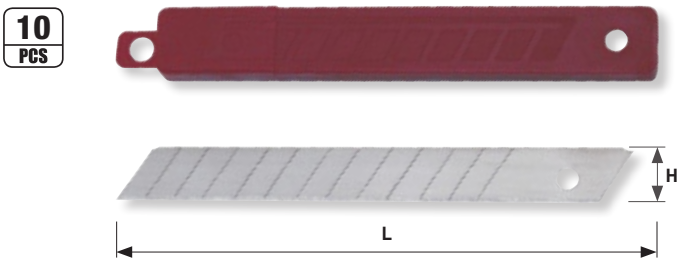
Art. 3313

Spare snap-off-blades
with 12 segments per blade, 10 pieces in solid plastic case

Cuchillas separables de recambio
con 12 segmentos por cuchilla, 10 piezas en caja de almacenamiento

Lâminas divisível de reposiçio
com 12 segmentos por lâmina, 10 peças em caixa de armazenamento

Art.	L mm	H mm
3313	85	9

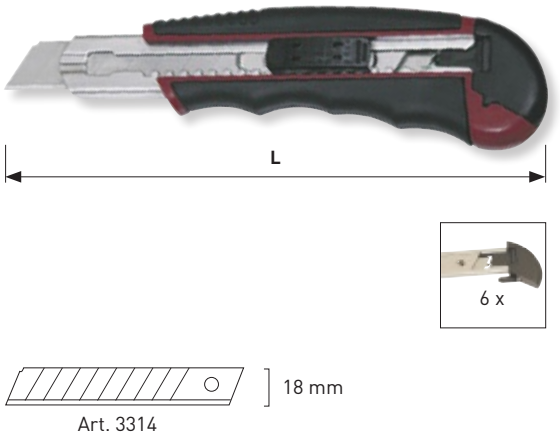


Snap-off cutter
Ergonomic ABS-handle with soft grip. Stainless steel blade guide, automatic snap off blade reloading and blade locking system. Including 6 spare snap-off blades.

Cúter universal de hoja fraccionable
Mango ergonómico ABS con agarre suave. Guía de la hoja de acero inoxidable, sistema de recarga automática y de bloqueo de la hoja. Incluye 6 hojas de repuesto con filos múltiples fraccionables.

X-acto
Corpo ergonômico ABS com grip macio. Guia de lâmina de aço inoxidável, recarga automático e sistema de bloqueio da lâmina. Incluindo 6 lâminas de reposição divisível.

Art.	L mm
3312	165

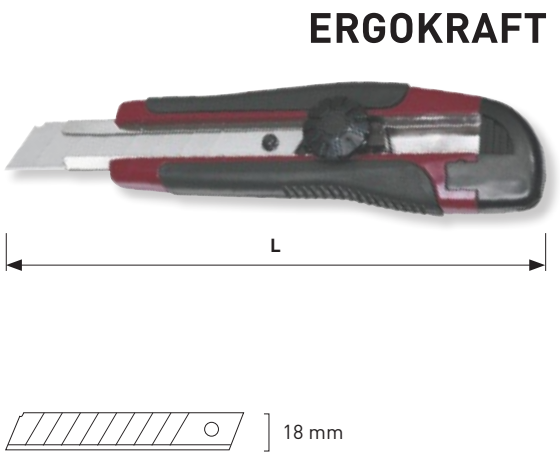


Snap-off cutter
Ergonomic ABS-handle with soft grip. Stainless steel blade guide, wheel blade lock. Including 3 snap-off blades.

Cúter universal de hoja fraccionable
Mango ergonómico ABS con agarre suave. Guía de la hoja de acero inoxidable, bloqueo de la hoja de rueda selectora.
Incluye 3 hojas de repuesto con filos múltiples fraccionables.

X-acto
Corpo ergonômico ABS com grip macio. Guia de lâmina de aço inoxidável, roda de bloqueio da lâmina.
Inclui 3 lâminas divisiveis.

Art.	L mm
3315	167

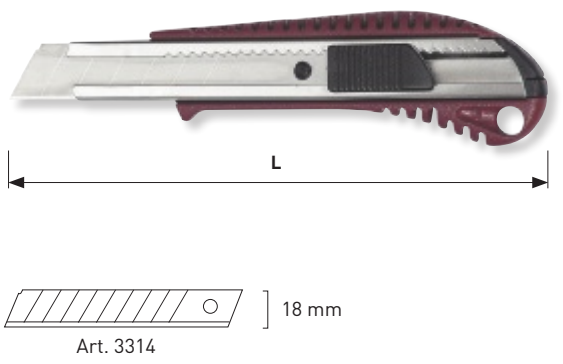


Snap-off cutter
with solid metal body. Stainless steel blade guide, automatic blade locking system.

Cúter universal de hoja fraccionable
con cuerpo metálico. Guía de la hoja de acero inoxidable, sistema automático de bloqueo de la hoja.

X-acto
com corpo métalico. Guia de lâmina de aço inoxidável, sistema de bloqueio da lâmina automática.

Art.	L mm
3318	155

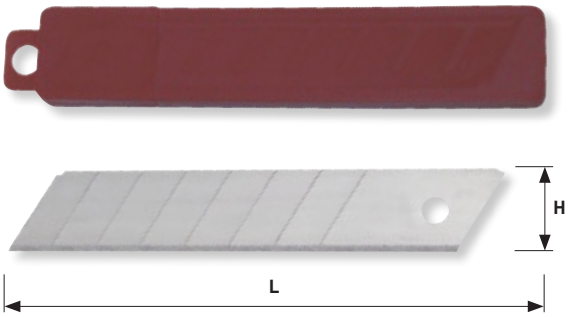


Spare snap-off-blades
with 7 segments per blade, 10 pieces in solid plastic case

Cuchillas separables de recambio
con 7 segmentos por cuchilla, 10 piezas en caja de almacenamiento

Lâminas divisível de reposiçio
com 7 segmentos por lâmina, 10 peças em caixa de armazenamento

10 PCS

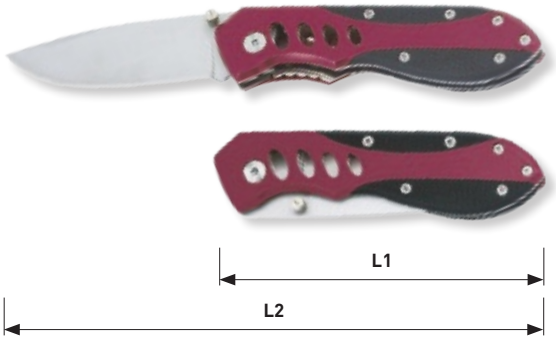


Art.	L mm	H mm
3314	109	18

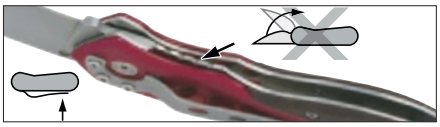
Foldaway knife
with matt finish high grade stainless steel blade, blade locking mechanism, aluminium handle and clip on the back.

Navaja acero
con cuchilla inoxidable acabado mate, bloqueo de hoja, mango de aluminio y clip.

Navalha universal
com acabamento mate em aço inox lamina de alta qualidade, mecanismo de bloqueio da lamina, cabo em aluminio e clip no verso.



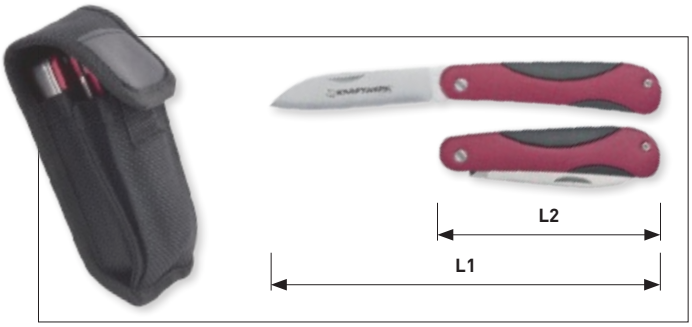
Art.	L1 mm	L2 mm
3323	112	188



Multiuse foldaway tool, set
Pliers with wire cutter, 8 functional tool-blades in the handles. Delivered with penknife in the same style and nylon belt carrying case.

Herramienta multiuso
plegable, con alicate cortante y 8 hojas de herramientas funcionales en el mango. Incluye cuchillo de bolsillo en funda de nylon para cinturón.

Ferramenta multiusos
Alicate com corta fios, 8 laminas multifuncionais no cabo.
Inclui navalha do mesmo estilo e bolsa de transporte em nylon



Art.	L1 mm	L2 mm	L3 mm	L4 mm
3322	188	112	100	160

Electrician knife
with double blade

Navaja de electricista
con doble cuchilla

Navalha de electricista
com lâmina dupla

inox Scented Wood

Art.	L mm
3325	190

Marine knife
Cuchillo de marinero
Faca marinha

Art.
3324

Dismantling tool
especially suitable for larger cross-sections and for difficult insulating materials

Pelacable
especialmente adecuado para secciones mayores y materiales de aislamiento difíciles

Descarnador cabos
especialmente adecuado para secções transversais maiores e para isolantes de difícil manuseio

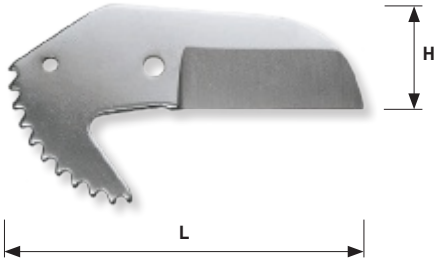
Art.	ø mm^2	L mm
2230	8 - 28	142

Pipe cutter for plastic pipes
Cortatubos para tubos de plástico
Corta tubos para tubos plásticos

Art.	ø mm	ø inch	L mm
5441	0 - 42	0 - 1-5/8	190

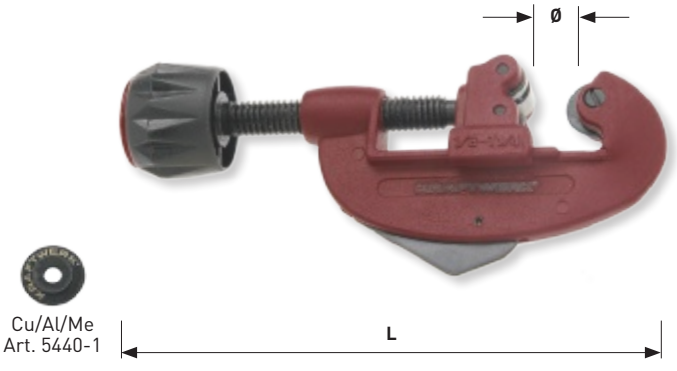
Spare blade
for art. 5441
Cuchilla de repuesto
para art. 5441
Laminas de reposiçio
para art. 5441

Art.	H mm	L mm
5441E	30	105



General tube cutter
for copper, brass, aluminium and thin walled steel pipes.
Foldable internal deburrer
Cortatubos general
para cobre, bronce, aluminio, tuberías de acero con paredes finas.
Desbarbador interno plegable
Corta tubos universal
para cobre, latão, aluminio, e tubos de aço com paredes finas.
Limpa tubos retrátil

Art.	ø mm	L mm
5432	Cu/Al/Me 3 - 32	150



Telescope tube cutter

for stainless steel tubes. Precise working in confined spaces. Quick adjustment. Retractable internal pipe deburrer.

Cortatubos telescópico

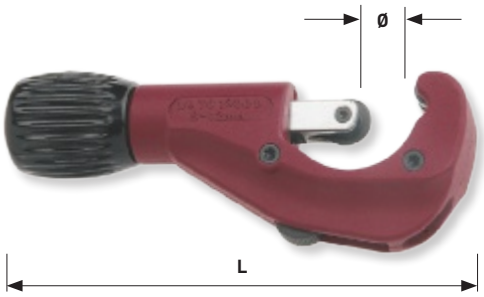
para acero inoxidable. Para trabajos precisos en espacios limitados. Ajuste rápido. Desbarbador retráctil integrado.

Corta tubos telescopico

para aço inoxidável. Para trabalhos precisos e em locais de difícil acesso. Ajuste rápido. Limpa tubos retrátil.

Inox
Art. 5440-5

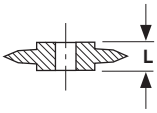
Inox
Art. 5440-5ES

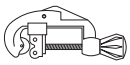


Art.	ø mm	L mm
5436	Inox 6 - 42	170

Cutting wheel for tubing cutters
Cuchilla de repuesto para cortatubos
Lamina para corta tubos

6 PCS



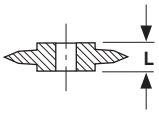


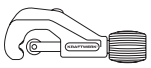
Art. 5432

Art.	Mat.	Ø mm	L mm
5440-1	Cu/Al/Me	18	2.9

Cutting wheel for tubing cutters
Cuchilla de repuesto para cortatubos
Lamina para corta tubos

6 PCS



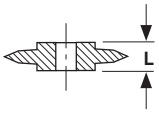


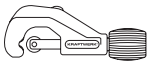
Art. 5436

Art.	Mat.	Ø mm	L mm
5440-3	Cu/Al/Me	18	6.0
5440-5	Inox	18	6.0

Cutting wheel for tubing cutters
Cuchilla de repuesto para cortatubos
Lamina para corta tubos

1 PC





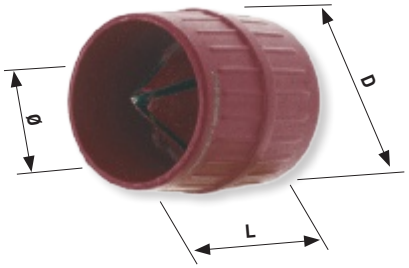
Art. 5436

Art.	Mat.	Ø mm	L mm
5440-5ES	Inox	18	6.0

Reamer
for internal and external use

Escariador metal
para interior y exterior

Escareador metal
interior/exterior

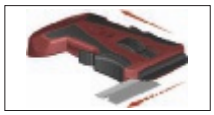


Art.	Ø mm	D mm	L mm
5470	6 - 40	52	55

Mini scraper
Mini raspador
Mini raspador

Art.	
3338	
3338E	Replacement Blades / *Hojas de repuesto* / Lâminas de reposição

10 PCS



Universal scissors
Tijera universal
Tesoura universal

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Art.	L mm
2240	185

Electrician's scissors
Tijera de electricista
Tesoura de electricista

Art.	L mm
2251	142

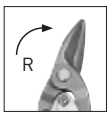
Compound action snips
left cut, with bi-material handles
Tijera articulada
de corte izquierda, mangos bimaterial
Tesoura articulada
de corte a esquerda, cabos bi-matéria

CrMo

Art.	L mm	HRC	⧄ MH mm	Inox 80kg/mm² mm
2241	250	58 - 60	1.2	0.8

Compound action snips
right cut, with bi-material handles
Tijera articulada
de corte derecha, mangos bimaterial
Tesoura articulada
de corte a direito, cabos bi-matéria

CrMo



Art.	L mm	HRC	⧄ MH mm	Inox 80kg/mm² mm
2242	250	58 - 60	1.2	0.8

Compound action snips
straight cut, with bi-material handles

Tijera articulada
de corte recto, mangos bimaterial

Tesoura articulada
de corte direito, cabos bi-matéria

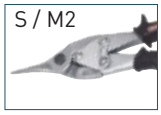
CrMo

Art.	L mm	HRC	⧄ MH mm	Inox 80kg/mm² mm
2243	250	58 - 60	1.2	0.8

Compound action snips set
Juego tijeras articuladas
Conjunto de tesouras articuladas

CrMo 3 PCS

Art.	L mm	HRC	⧄ MH mm	Inox 80kg/mm² mm
2244	250	58 - 60	1.2	0.8

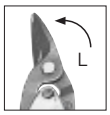


Compound action offset snips
left cut, with bi-material handles

Tijera articulada de corte rectilíneo
de corte izquierda, mangos bimaterial

Tesoura articulada para cortes rectilíneos
de corte a esquerda, cabos bi-matéria

CrMo



Art.	L mm	HRC	⧄ MH mm	Inox 80kg/mm² mm
2245	240	58 - 60	1.2	0.8

Compound action offset snips
right cut, with bi-material handles

Tijera articulada de corte rectilíneo
de corte derecha, mangos bimaterial

Tesoura articulada para cortes rectilíneos
de corte a direito, cabos bi-matéria

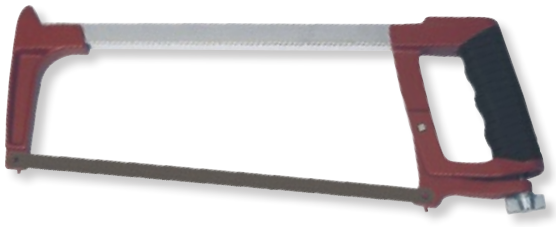
CrMo

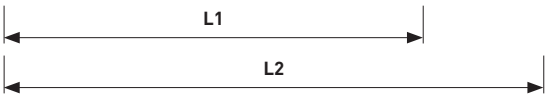
Art.	L mm	HRC	⧄ MH mm	Inox 80kg/mm² mm
2246	240	58 - 60	1.2	0.8

Hacksaw frame
with HSS bi-metal saw blade, 2-component handle and quick-change blade device

Arco de sierra
con hoja de sierra en HSS bimetal, mango bimaterial y cambio rápido de la hoja

Serrote
com folha de serra HSS bimetal, punho de 2 componentes e sistema rápido de mudar a lamina





Art.	L1 mm	L2 mm
3305	300	400

Art. 3316

Straight hacksaw blade holder
with 2-component handle

Mango sierra
bimaterial

Serrote punho direito
de 2 componentes

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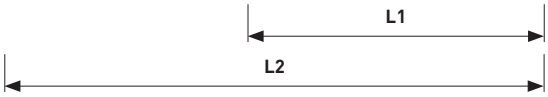
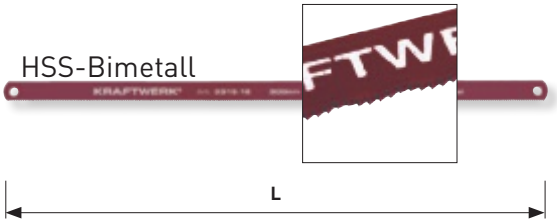


Art.	L1 mm	L2 mm
3308-1	163	315

Art. 3316

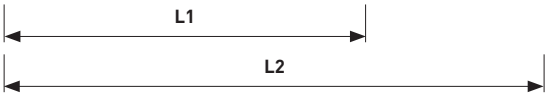
Hacksaw blade
Hoja de sierra
Folha de serra

DIN 6494 / ISO 2336-1



Art.	L mm	/cm	/"
3316-18	300	7	18
3316-24	300	10	24
3316-32	300	13	32

Mini hacksaw frame
Arco de sierra mini
Mini serrote Junior



Art.	L1 mm	L2 mm
3309	150	250

Art. 3319

Hacksaw blade for mini hacksaw
Hoja de sierra mini
Folha de serra mini

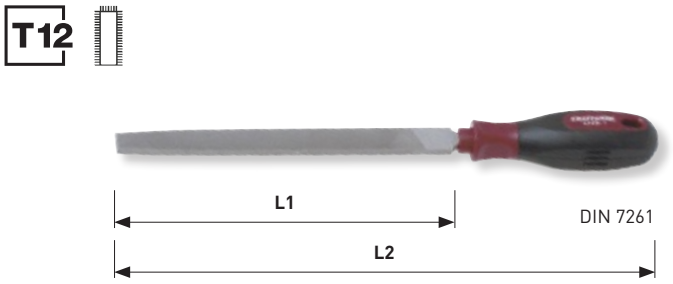
Art.	L mm	/cm	/"
3319	150	10	24

Flat file
second cut, with 2-component handle

Lima punta plana
de corte semisuave, con mango bimaterial

Lima direita
meio-murça, com cabo bi-matéria

Art.	L1 mm	L2 mm
4320-1	200	320

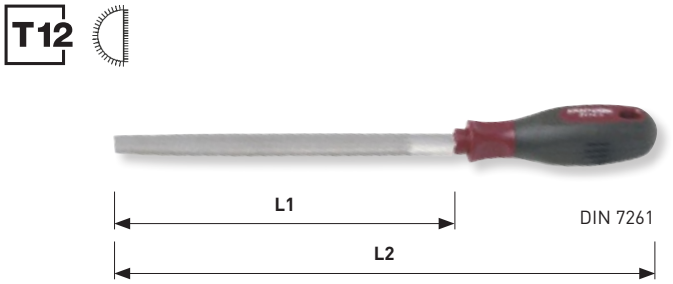


Half-round file
second cut, with 2-component handle

Lima media caña
de corte semisuave, con mango bimaterial

Lima meia-cana
meio-murça, com cabo bi-matéria

Art.	L1 mm	L2 mm
4320-2	200	320

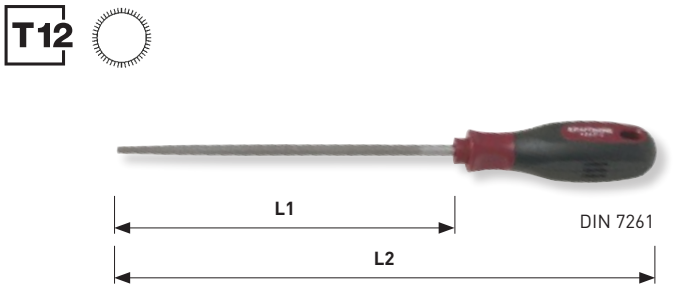


Round file
second cut, with 2-component handle

Lima redonda
de corte semisuave, con mango bimaterial

Lima redonda
meio-murça, com cabo bi-matéria

Art.	L1 mm	L2 mm
4320-3	200	320

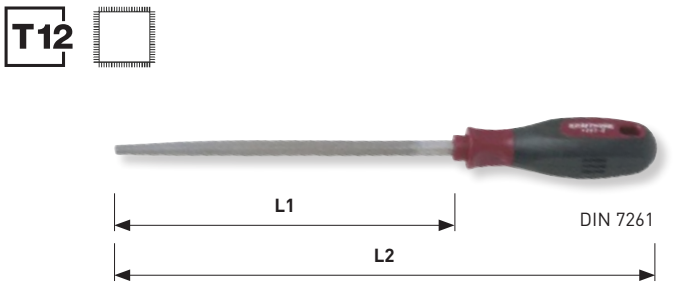


Square file
second cut, with 2-component handle

Lima cuadrada
de corte semisuave, con mango bimaterial

Lima quadrada
meio-murça, com cabo bi-matéria

Art.	L1 mm	L2 mm
4320-4	200	320

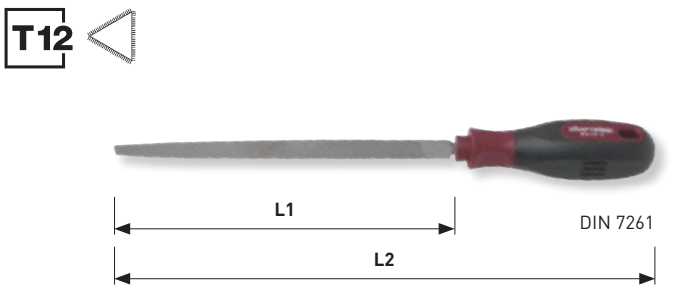


Three-square file
second cut, with 2-component handle

Lima triangular
de corte semisuave, con mango bimaterial

Lima triangular
meio-murça, com cabo bi-matéria

Art.	L1 mm	L2 mm
4320-5	200	320



Workshop file set
second cut, with 2-component handles

Juego de limas
de corte semisuave, con mango bimaterial

Conjunto de limas
meio-murças, com cabos bi-matérias

T12 5 PCS

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Art.
4320

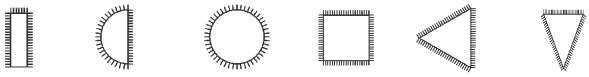
DIN 7261

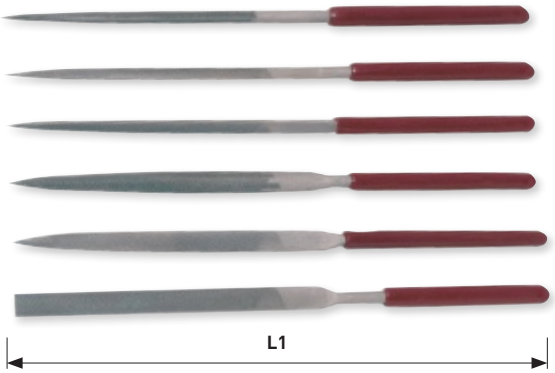
Art. 4320-1
Art. 4320-2
Art. 4320-3
Art. 4320-4
Art. 4320-5

Needle file set
Juego de limas finas
Conjunto de limas de calado

T12 6 PCS

Art.	L1 mm
4321	165





Stainless steel wire brush
V2A, 4 rows

Cepillo metálico
V2A, 4 filas de puas

Escova arame aço
V2A, 4 filas de puas y mango de haya

inox

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Art.	L1 mm
4325	260

Stainless steel wire brush
V2A, beech handle, 4-row

Cepillo metálico
V2A, 4 filas de puas

Escova arame aço
V2A, com 4 filas, cabo madeira

inox

Art.	L1 mm
4326	290

Your notes / *Sus notas* / Suas notas

CHAPTER
CAPÍTULO
CAPÍTULO

7

Engineer's security hammer

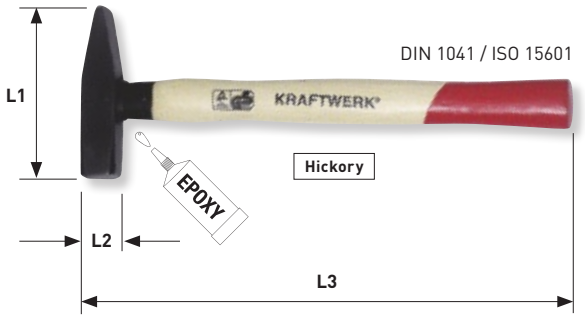
black painted head, with polished faces, steel handle protection sleeve, double cambered, smooth lacquered American hickory hard wood handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Martillo de seguridad tipo alemán

cabeza acabado negro, con caras pulidas, protección en acero, mango tipo Hickory en madera dura lacada.
Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Martelo de segurança tipo alemão

cabeça lacada a preto, com faces polidas, punho com protecção em aço, fabricado em nogueira pintado e envernizado.
Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.



Art.	g	L1 mm	L2 mm	L3 mm
2301	**100**	82	15	262
2302	**200**	95	19	282
2303	**300**	105	23	302
2304	**400**	112	25	312
2305	**500**	118	27	322
2308	**800**	130	33	343
2310	**1000**	135	36	362
2315	**1500**	145	42	382

Engineer's security hammer

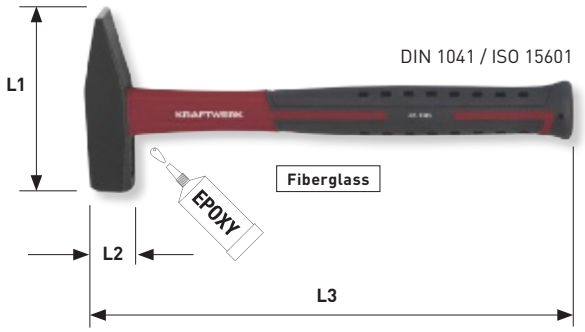
black painted head, with polished faces, handle protection sleeve, shockproof 2-component fiberglass handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Martillo de seguridad tipo alemán

cabeza acabado negro, con caras pulidas, protección en acero, mango resistente con 2 componentes de fibra de vidrio. Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Martelo de segurança tipo alemão

cabeça lacada a preto, com faces polidas, punho com protecção em aço, cabo em fibra de vidro bimatéria resistente ao choque.
Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.

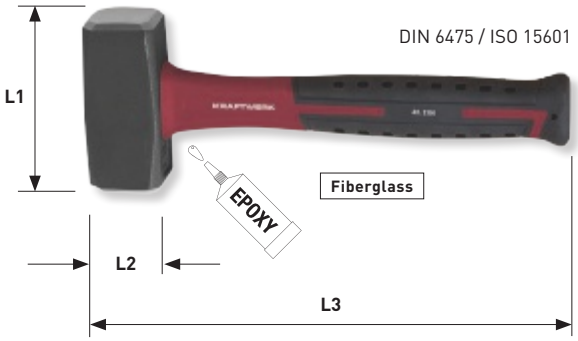


Art.	g	L1 mm	L2 mm	L3 mm
2385	300	105	23	300
2387	500	118	27	315

Security stoning hammer
black painted head, with polished faces, handle protection sleeve, shockproof 2-component fiberglass handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Maceta de seguridad
cabeza acabado negro, con caras pulidas, protección en acero, mango resistente con 2 componentes de fibra de vidrio. Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Marreta de mão de segurança
cabeça lacada a preto, com faces polidas, punho com protecção em aço, cabo em fibra de vidro bimatéria resistente ao choque. Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.

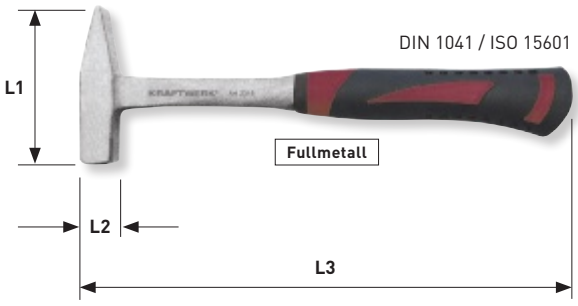


Art.	⚖ g	L1 mm	L2 mm	L3 mm
2390	**1000**	95	40	260
2392	**1250**	100	43	260
2395	**1500**	110	45	280

German engineer's full steel body hammer
undestroyable, with ergonomic 2 component handle

Martillo de seguridad tipo alemán en acero
indestructible, mango ergonómico bimaterial con revestimiento anti-deslizante

Martelo de uma única peça de aço tipo alemão
indestructível, com punho ergonómico em bimatéria



All-Steel / *Todo-acero* / Peça única em aço

Art.	⚖ g	L1 mm	L2 mm	L3 mm
2319	500	118	27	330

French type engineer's hammer

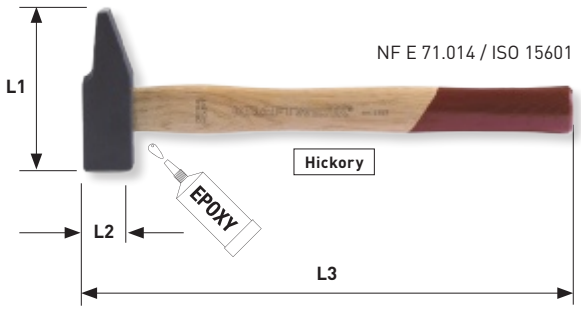
black painted head, with polished faces, double cambered, smooth lacquered American hickory hard wood handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Martillo tipo francés

cabeza acabado negro, con caras pulidas, mango tipo Hickory en madera dura lacada. Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Martelo tipo francês

cabeça lacada a preto, com faces polidas, punho com protecção em aço, fabricado em nogueira pintado e envernizado. Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.



Art.	g	L1 mm	L2 mm	L3 mm
2354	**250**	82	26	265
2355	**300**	86	28	280

French type engineer's hammer

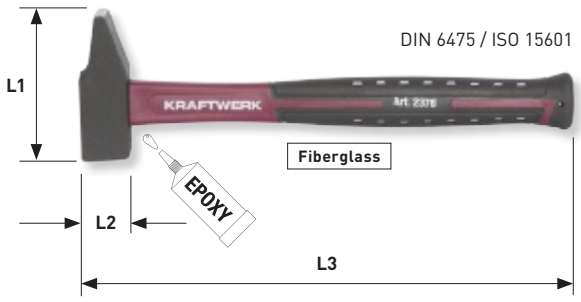
black painted head, with polished faces, handle protection sleeve, shockproof 2-component fiberglass handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Martillo tipo francés

cabeza acabado negro, con caras pulidas, protección en acero, mango resistente con 2 componentes de fibra de vidrio. Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Martelo tipo francês

cabeça lacada a preto, com faces polidas, punho com protecção em aço, cabo em fibra de vidro bimatéria resistente ao choque. Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.



Art.	g	L1 mm	L2 mm	L3 mm
2376	**400**	94	30	307
2378	**630**	104	36	325
2380	**860**	110	40	362
2381	**1000**	118	42	362
2383	**1600**	140	50	374

Security stoning hammer

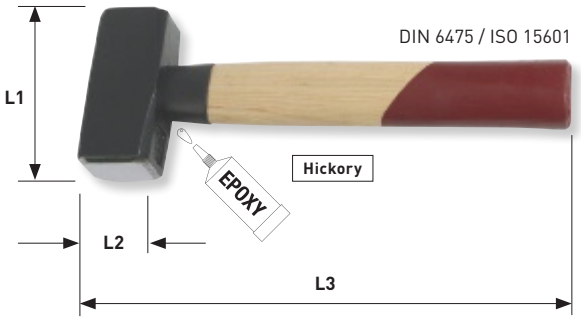
black painted head, with polished faces, steel handle protection sleeve, smooth lacquered American hickory hard wood handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Maceta de seguridad

cabeza acabado negro, con caras pulidas, protección en acero, mango tipo Hickory en madera dura lacada. Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Marreta de mão de segurança

cabeça lacada a preto, com faces polidas, punho com protecção em aço, fabricado em nogueira americana dura lacado. Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.



Art.	⚖ g	L1 mm	L2 mm	L3 mm
2339	**800**	92	37	260
2340	**1000**	95	40	260
2342	**1250**	100	43	260
2345	**1500**	110	45	280

English type ballpein engineer's hammer

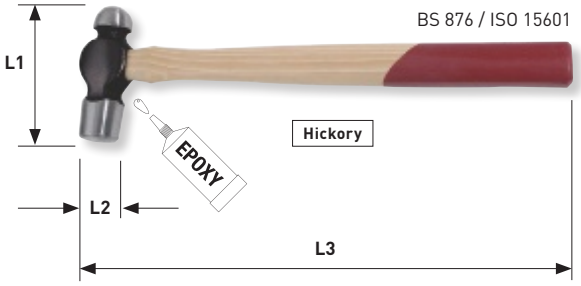
black painted head, with polished faces, smooth lacquered American hickory hard wood handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Martillo de cabeza redonda y boca esférica

cabeza acabado negro, con caras pulidas, mango tipo Hickory en madera dura lacada. Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Martelo de bola

cabeça lacada a preto, com faces polidas, fabricado em nogueira americana dura lacado. Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.



Art.	⚖ g	L1 mm	L2 mm	L3 mm
2351	**1130 / 40oz**	137	40	400
2352	**1360 / 48oz**	147	42	400

French type claw hammer

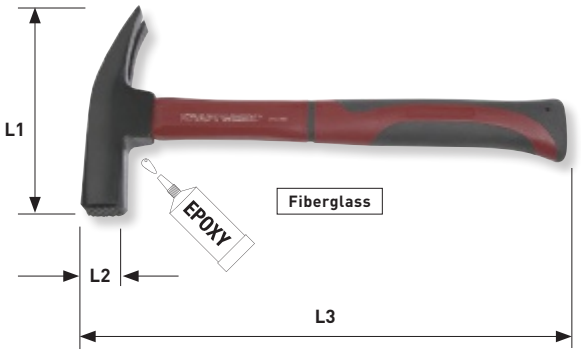
black painted head, with polished faces, shockproof 2-component fiberglass handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Martillo de boca sacaclavos, modelo francés

cabeza acabado negro, con caras pulidas, mango resistente con 2 componentes de fibra de vidrio. Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Martelo de orelhas, tipo francês

cabeça lacada a preto, com faces polidas, cabo em fibra de vidro bimatéria resistente ao choque. Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.

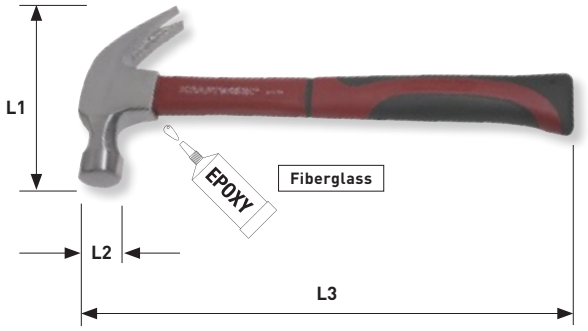


Art.	⚖ g	L1 mm	L2 mm	L3 mm
2366	**600**	140	27	320

American type claw hammer
with polished head, shockproof 2-component fiberglass handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Martillo de uña, modelo americano
cabeza acabado negro, con caras pulidas, mango resistente con 2 componentes de fibra de vidrio. Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Martelo de orelhas, tipo americano
cabeça polida, cabo em fibra de vidro bimatéria resistente ao choque. Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.

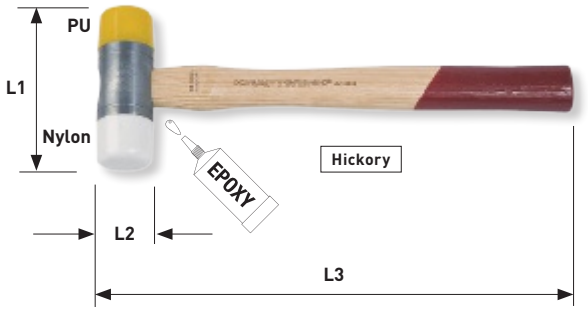


Art.	⚖ g	L1 mm	L2 mm	L3 mm
2368	**450**	132	29	320

Soft-faced hammer with interchangeable heads
in nylon and urethane, smooth lacquered American hickory hard wood handle. Safely connected head and handle with steel wedge and epoxy-safety-bonding.

Maza con cabezas intercambiables plásticas
en nylon duro y uretano, mango tipo Hickory en madera dura lacada. Fijación duradera del mango por cuña de acero y cola epoxi de seguridad.

Martelo com batentes em plástico
em nylon e poliuretano, cabo lacado em nogueira americana dura. Fixação permanente do cabo e da cabeça por cunhas de aço e cola epóxi de segurança.

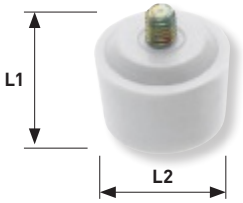


Art.	⚖ g	L1 mm	L2 mm	L3 mm
2336	**360**	98	35	305

Replacement nylon hammer head
for soft-faced hammer 2336

Cabeza de recambio en nylon
para maza 2336

Batente em nylon
para martelo 2336



hard / *duro* / duro

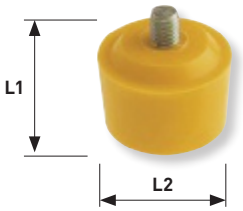
Nylon

Art.	⚖ g	L1 mm	L2 mm
2336NY	**55**	24	35

Replacement urethane hammer head
for soft-faced hammer 2336

Cabeza de recambio en uretano
para maza 2336

Batente em poliuretano
para martelo 2336



soft / *blando* / macio

PU

Art.	⚖ g	L1 mm	L2 mm
2336PU	**55**	24	35

Carpenter's roofing hammer
black painted head, with magnetic nailholder, shockproof fiberglass handle with ergonomic safety rubber grip.

Martillo de encofrador
acabado negro, con sujeta tornillos imantado, con mango en fibra de vidrio y empuñadura de seguridad ergonómica en goma.

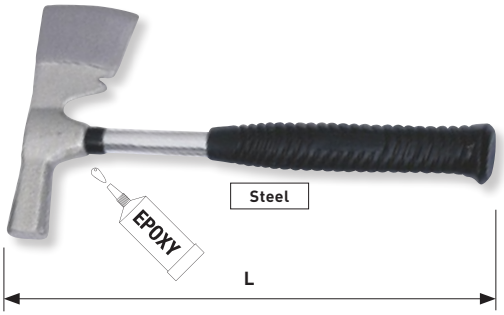
Martelo de carpinteiro
cabeça lacada a preto, com porta pregos magnético, cabo em fibra de vidro e punho de borracha ergonómico de segurança.

Art.	g	L mm
2320	**600**	325

Plasterer's hatchet
painted head, with nail puller, hardened tubular steel handle with ergonomic safety rubber grip.

Hacha
acabado negro, con extractor de clavos, con mango de tubo de acero y empuñadura de seguridad ergonómica en goma.

Machado
cabeça lacada, com saca pregos, cabo em tubo de aço e punho de borracha ergonómico de segurança.



Art.	g	L mm
2323	**600**	315

Pin punch
mirror polished

Botador cilíndrico
pulido brillante

Punção cilíndrico
polido brilhante

CrMo

DIN 6450 Form C

Art.	∅ mm	L mm
3350-2	**2**	115
3350-3	**3**	125
3350-4	**4**	150
3350-5	**5**	165
3350-6	**6**	180
3350-8	**8**	180

Pin punch set
mirror polished, with tool-holder

Juego de botadores cilíndricos
pulidos brillante, con portaherramientas

Jogo de punções cilíndricos
polidos, com porta-ferramentas

CrMo 6 PCS

Art.	∅ mm	L mm
3350	**2-3-4-5-6-8**	115-125-150-165-180-180

Art. 3350-2 2 mm
Art. 3350-3 3 mm
Art. 3350-4 4 mm
Art. 3350-5 5 mm
Art. 3350-6 6 mm
Art. 3350-8 8 mm

DIN 6450 Form C

Pin punch
stove-enamelled

Botador cilíndrico
pintado al horno

Punção cilíndrico
termoesmaltado

CrV

Art.	∅ mm	L mm
1350-2	**2**	115
1350-3	**3**	125
1350-4	**4**	150
1350-5	**5**	165
1350-6	**6**	180
1350-8	**8**	180

DIN 6450 Form C

Taper punch
mirror polished

Botador cónico
pulido brillante

Punção cónico
polido brilhante

CrMo

Art.	∅ mm	L mm
3355-2	**2**	120
3355-3	**3**	120
3355-4	**4**	120
3355-5	**5**	120
3355-6	**6**	120

DIN 6458

Taper punch set
mirror polished, with tool-holder

Juego de botadores cónicos
pulidos brillante, con portaherramientas

Jogo de punções cónicos
polidos, com porta-ferramentas

CrMo 5 PCS

Art.	∅ mm	L mm
3355	**2-3-4-5-6**	120

DIN 6458

Art. 3355-2 2 mm
Art. 3355-3 3 mm
Art. 3355-4 4 mm
Art. 3355-5 5 mm
Art. 3355-6 6 mm

Center punch
mirror polished

Granete
pulido brillante

Punção bico
polido brilhante

CrMo

Art.	∅ mm	L mm
3358-1	**3**	100
3358-2	**4**	120

DIN 7250

Cold chisel, eight point
mirror polished

Cortafrío, octágono
pulido brillante

Escopro plano, octógono
polido brilhante

CrMo

Art.	L1 mm	L2 mm
3365-12	12	130
3365-18	18	165

DIN 6453

Cold chisel
stove-enamelled

Cortafrío
pintado al horno

Escopro plano
termoesmaltado

CrV

Art.	B mm	L mm
3380-18	18	125
3380-22	22	155

DIN 6451/53

Cape chisel, eight point
mirror polished

Buril, octágono
pulido brillante

Buril, octógono
polido brilhante

CrMo

Art.	L1 mm	L2 mm
3368-5	5	130
3368-7	7	165

DIN 6451

Pin-, taper punch and chisel set
mirror polished, with tool-holder

Juego de cortafríos, botadores y buriles
pulidos, con portaherramientas

Jogo de punções, escopro e buril
polidos, com porta-ferramentas

CrMo 5 PCS

Art.
3370

Art. 3350-4 4 mm
Art. 3355-3 3 mm
Art. 3358-2 4 mm
Art. 3365-12 12 mm
Art. 3368-5 5 mm

Pin-, taper punch and chisel set
mirror polished, with metalic tool-holder

Juego de cortafríos, botadores y buriles
pulidos, con portaherramientas metálico

Jogo de punções, escopro e buril
polidos, com porta-ferramentas metálico

CrMo 17 PCS

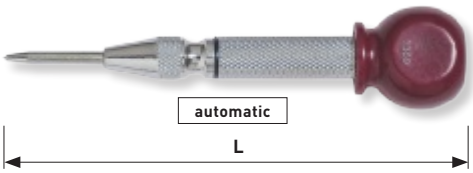
Art.
3374

Art. 3350-2 2 mm
Art. 3350-3 3 mm
Art. 3350-4 4 mm
Art. 3350-5 5 mm
Art. 3350-6 6 mm
Art. 3350-8 8 mm
Art. 3358-1 3 mm
Art. 3358-2 4 mm

Art. 3355-2 2 mm
Art. 3355-3 3 mm
Art. 3355-4 4 mm
Art. 3355-5 5 mm
Art. 3355-6 6 mm
Art. 3365-12 12 mm
Art. 3365-18 18 mm
Art. 3368-5 5 mm
Art. 3368-7 7 mm

Automatic center punch
Puntero automático
Punção bico automático

Art.	L mm
3359	132



Spare tip and spring
for automatic center punch 3359

Punto y resorte de recambio
para puntero automático 3359

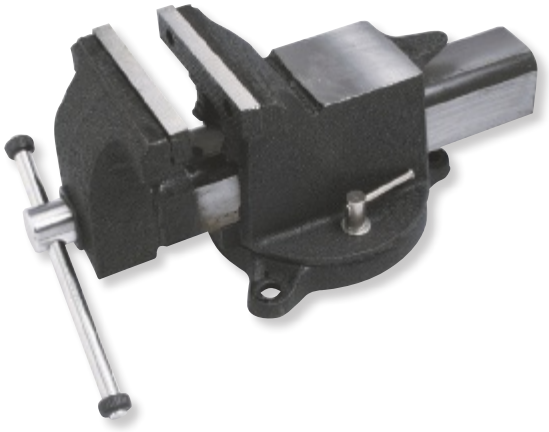
Ponta e mola
para punção automático 3359

Art.	L mm
3359E	–

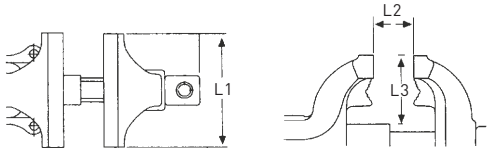
Parallel steel bench vise
drop forged, with swivel base and tubular clamping jaw, exchangeable hardened clamping jaws, forward opening, with anvil and beak, black enameled. Jaws, guideway and anvil grinded and hardened.

Tornillo de banco paralelo en acero
forjado, con pie giratorio y mordazas para tubos, mordazas de acero intercambiables, abertura hacia adelante, con el yunque y el cuerno, pintado de negro. Mordazas, tobogán y yunque afilado y endurecido.

Torno de bancada paralelo em aço
forjado, com pé giratório e mandíbulas para tubos, mandíbulas de aço intercambiáveis, abrindo para a frente, com bigorna e bico, lacado a preto. As mandíbulas, o trilho guia e a bigorna afiados e endurecidos.



Art.	L1 mm	L2 mm	L3 mm	⚖ g
2961	100	120	65	**7.5**
2962	125	140	70	**11**
2963	150	170	80	**14.5**
2964	200	200	90	**20.5**

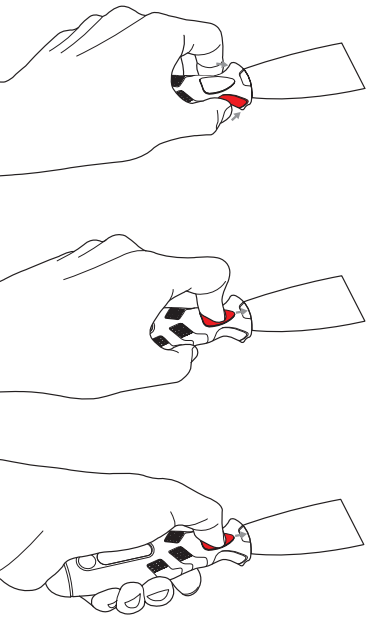


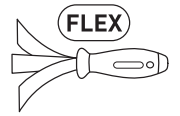
Spare clamping jaws
for parallel steel bench vise 2961

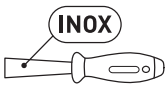
Mordazas de recambio
para tornillo de banco paralelo en acero 2961

Mandíbulas substituíveis
para torno de bancada paralelo em aço 2961

Art.
2961E
2962E
2963E
2964E







Universal spatula

inox flex

- flexible blade made of stainless steel, hardened and mirror polished
- bi-material soft grip handle with anti-slip grip

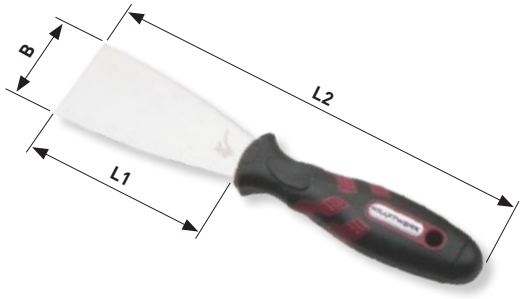
Espátula universal

- *lama flexible en acero inoxidable, reforzada y con acabado pulido brillante*
- *mango bimaterial antideslizante*

Espátula universal

- lâmina flexível em inox, reforçada e polida
- cabo em bimatéria anti-derrapante

Art.	B mm	L1 mm	L2 mm
3331-032	**32**	105	240
3331-050	**50**	105	245
3331-063	**63**	105	245
3331-075	**75**	105	245
3331-100	**100**	105	245
3331-125	**125**	105	245



Universal spatula set

inox flex 3 PCS

- flexible blades made of stainless steel, hardened and mirror polished
- bi-material soft grip handles with anti-slip grips

Juego de espátulas universales

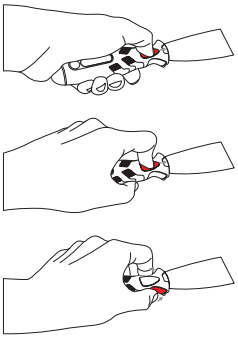
- *lamas flexibles en acero inoxidable, reforzadas y con acabado pulido brillante*
- *mangos bimateriales antideslizantes*

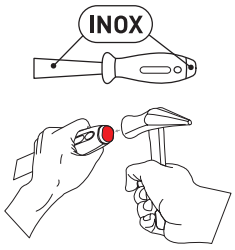
Jogo de espátulas universais

- lâminas flexíveis em inox, reforçadas e polidas
- cabos em bimatéria anti-derrapante

Art. 3331-032 32 mm
Art. 3331-050 50 mm
Art. 3331-075 75 mm

Art.	B mm
3335	**32 - 50 - 75**





Striking scraper and chisel
- solid blade made of stainless steel, hardened and mirror polished.
- bi-material soft grip handle with non-slip grip indentations and stainless steel striking cap

Espátula-rascador
- *lamas sólidas en acero inoxidable, reforzadas, con acabado pulido brillante*
- *mango bimaterial antideslizante y capuchón de acero inoxidable*

Raspador direito
- lâmina sólida feita aço inox, reforçada, e polida.
- punho em bimatéria anti-derrapante e zona de impacto em inox

inox

Art.	B mm	L1 mm	L2 mm
3332-032	**32**	105	240
3332-075	**75**	105	245

Striking offset scraper and chisel
- solid blade made of stainless steel, hardened and mirror polished.
- bi-material soft grip handle with non-slip grip indentations and stainless steel striking cap

Espátula-rascador, angular
- *lamas sólidas en acero inoxidable, reforzadas, con acabado pulido brillante*
- *mango bimaterial antideslizante y capuchón de acero inoxidable*

Raspador curvo
- lâmina sólida feita aço inox, reforçada, e polida.
- punho em bimateria anti-derrapante e zona de impacto em inox

inox

Art.	B mm	L1 mm	L2 mm
3333-032	**32**	98	235
3333-075	**75**	110	240

Striking scraper and chisel set
- solid blades made of stainless steel, hardened and mirror polished
- bi-material soft grip handles with non-slip grip indentations andstainless steel striking caps

Juego de espátulas rascadoras
- *lamas sólidas en acero inoxidable, reforzadas, con acabado pulido brillante*
- *mangos bimaterial antideslizante y capuchones de acero inoxidable*

Jogo de espátulas
- lâminas sólidas feitas em aço inox, reforçada e polida
- punhos em bimatéria anti-derrapante e zonas de impacto em inox

inox 3 PCS

Art.	B mm
3336	**32/15° - 32 - 75**

Your notes / *Sus notas* / Suas notas

CHAPTER
CAPÍTULO
CAPÍTULO

8

Steel pocket measuring tape
small and handy, with key-chain

Flexómetro llavero
pequeño y práctico con portallaves

Fita métrica
pequena e prática com porta chaves

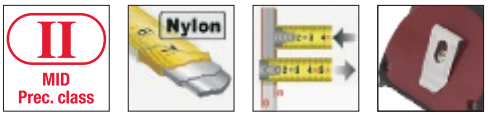
Art.	L/M	B/mm	mm
4701-0206	2 m x 6 mm	6	47 x 46 x 12

Measuring tape
Chromed ABS casing with rubber grip. Yellow lacquered, nylon coated steel blade with mm-graduation. Blade-lock. Removeable belt clip. Precision class II.

Flexómetro
Caja cromada en ABS, con protección en caucho. Cinta en acero con revestimiento en nylon, escala en mm, lacado en amarillo. Bloqueo de cinta. Clip para cinturón removible. Clase precisión II.

Fita métrica
Caixa em ABS cromado com protecção de borracha. Fita em aço revestida em nylon, graduação impressa em mm. Bloqueio da fita. Gancho com dois imans. Clip de cinto removível. Classe de precisão II.

Art.	L/M	B/mm	mm
4701-0316	3	16	61 x 53 x 25
4701-0519	5	19	71 x 64 x 29



Measuring tape
Extra wide, shock absorbing tape measure, 2 sides labelled with mm-graduation, nylon coated. Big end hook with 2 magnets, solid ABS/rubber-housing.

Flexómetro de luxe
Extra largo protección anti-golpe, graduación en mm sobre las 2 caras, revestimiento en nylon. Gancho extralargo al final de la cinta con 2 imanes, carcasa sólida en ABS/caucho.

Fita métrica
Fita métrica extra larga, com protecção de impacto, numeração em ambos os lados em mm, revestimento em nylon. Gancho terminal grande com dois imans. Corpo em ABS/borracha.

Art.	L/M	B/mm	mm
4706-0319	3	19	62 x 62 x 29
4706-0527	5	27	72 x 72 x 41
4706-0827	8	27	82 x 82 x 41

Measuring tape
Steel blade with auto-lock function and mm-graduation, ABS casing.

Flexómetro
Cinta metálica con graduación en mm, función de bloqueo automático y caja en ABS.

Fita métrica
Lâmina de aço com função de auto-bloqueio e numeração em mm. Corpo em ABS.

Art.	L/M	B/mm	mm
4706-0313	3	13	62 x 62 x 27

Long steel measuring tape
Fully closed ABS casing and solid rubber jacket. Yellow lacquered, nylon coated steel blade with mm- and cm-graduation. Quick blade-rewind by folding rewind crank on backside. Precision class II.

Cinta larga en acero
Caja sólida en ABS con protección en caucho. Cinta en acero con revestimiento en nylon, escala en mm y cm, lacado en amarillo. Recogida rápida de la cinta con manivela. Gancho con 2 imanes. Gran botón de bloqueo de cinta. Clase precisión II.

Fita métrica longa em aço
Caixa sólida em ABS e de borracha, lâmina em aço com revestimento nylon com escala em mm e cm. Rebobinagem rápida devido a manivela retrátil. Classe de precisão II.

Art.	L/M	B/mm	mm
4712-109.5	10	9.5	85 x 83 x 20

Long fiberglas measuring tape
Fully closed ABS casing. Yellow lacquered, unbreakable high quality fiberglas blade with cm-graduation. Quick blade-rewind by folding rewind crank on backside. Precision class III.

Cinta larga en fibra de vidrio
Estructura resistente en ABS. Cinta en fibra de vidrio irrompible, escala en cm, lacado en amarillo. Recogida rápida de la cinta con manivela. Clase precisión III.

Fita métrica longa em fibra de vidro
Caixa em ABS. Fita em fibra de vidro inquebrável de alta qualidade com graduação em cm. Rebobinagem rápida devido a manivela retrátil. Classe de precisão III.

Art.	L/M	B/mm	mm
4716-1013	10	13	114 x 113 x 20

Long steel measuring tape

Shockproof ABS frame. Yellow lacquered, nylon coated steel blade with mm- and cm-graduation. Quick blade-rewind by folding rewind crank on backside with 3:1 metal gear transmission. Precision class II.

Cinta larga en acero

Estructura en ABS resistente a golpes. Cinta en acero con revestimiento en nylon, escala en mm y cm, lacado en amarillo. Recogida rápida de la cinta con manivela de triple multiplicación. Clase precisión II.

Fita métrica longa em aço

Quadro em ABS resistente aos choques. Fita em aço revestida em nylon com graduação em mm e cm. Rebobinagem rápida devido a manivela retrátil. Classe de precisão II.

ABS

3:1

Art.	L/M	B/mm
4711-3013	30	13

Steel ruler

Precision graduation in mm and 1/2 mm, flexible, stainless, antireflection treatment. Precision class II.

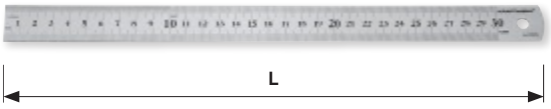
Regla acero

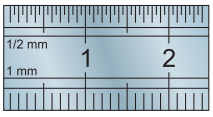
Graduación precisa en mm y 1/2 mm, flexible, inoxidable, tratamiento antireflejo. Clase precisión II.

Régua de aço

Graduação precisa em mm e 1/2 mm, flexível, inoxidável, tratamento anti-reflexo. Classe de precisão II.

inox





0.5 mm

1.0 mm

Art.	B/mm	L mm
2976	28	300

Precision steel square

without flange, ground

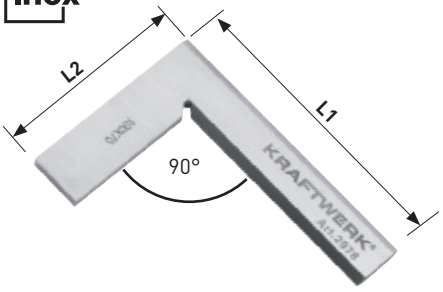
Escuadra lisa en acero

Sin reborde, rectificada

Esquadro simples em aço

sem rebordo, rectificado

inox



DIN 875

Art.	L1 mm	L2 mm
2978	100	70

Vernier caliper
stainless steel, hardened fine grinded, with cross points, nonius and scale satin chromed, with locking screw, depth measuring 150 mm, in plastic case.

Calibre
en acero inoxidable, endurecido y rectificado, con puntos cruzados, nonio y escala cromado mate, tornillo de bloqueo, medición de profundidad 150 mm. En estuche de plástico.

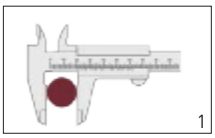
Paquímetro
em aço inox, endurecido e retificado, com pontos cruzados, nónio e escala cromados mate, com parafuso de bloqueio, medida em profundidade 150 mm, em caixa.

inox

DIN 862

L

Art.	L/M	mm	L mm
2970	0-150 6"	0.05 1/128"	230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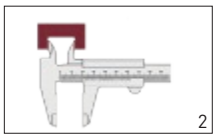
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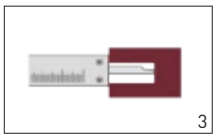

3

1 external measurement / *medición externa* / medição externa
2 internal measurement / *medición interna* / medição interna
3 depth measurement / *medición de profundidad* / medição de profundidade

Digital caliper
with locking screw, reading switchable mm - inch, 5-digit LCD-display, zero setting at any position, for external, internal and depth measuring. In plastic case.

Calibre digital
en acero inoxidable, con bloqueo mediante tornillo, lectura commutable mm - pulgadas, pantalla LCD de 5 dígitos, puesta a cero en cualquier posición, para medidas exteriores, interiores y de profundidad. En estuche de plástico.

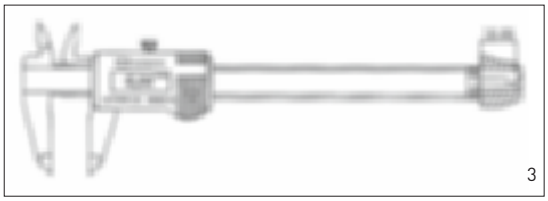
Paquimetro digital
com parafuso de bloqueio, leitura comutável mm - polegadas, display LCD de 5 dígitos, ajuste do zero em qualquer posição, para medições de interiores e exteriores e de profundidade. Em caixa de plástico.

2.09 digital inox

DIN 862

L

Art.	L/mm	mm	L mm
2972	0-150 6"	0.01 0.0005"	235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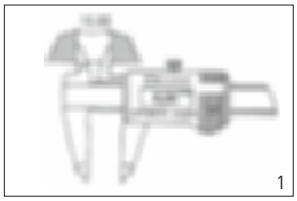
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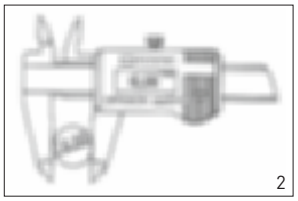
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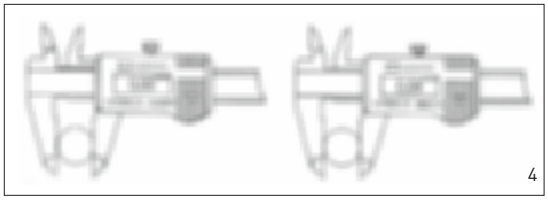

4

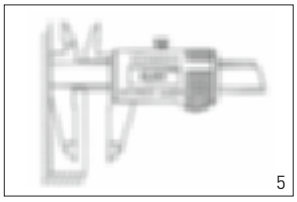
1 Measurements of internal dimensions
Medicion de las dimensiones internas
Medição de dimensões internas

2 Measurements of external dimensions
Medicion de las dimensiones externas
Medição de dimensões externas

3 Measurements of depth
Medicion de la profundidad
Medição de profundidade

4 Differential method of measurement (Application of zero setting)
Método diferencial de medición (Aplicación de ajuste a cero)
Método diferencial de medição (ajuste para zero em qualquer posição)

5 Measurement of steps
Medición de etapas
Medição das etapas


5

Outside micrometer
Measuring faces of hard metal, friction clutch and locking screw

Micrómetro exterior
Caras en metal duro, con fricción del embrague y tornillo de bloqueo

Micrómetro exterior
Faces em metal duro, com embreagem de fricção e parafuso de fixação

Art.	L/mm	mm	L mm
2975	0-25	0.01	135

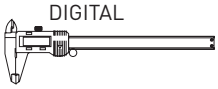
Precision measuring tool set
- Digital caliper 150 mm/0-6"
- Outside micrometer 0-25 mm/0.01 mm
- Square 100 x 70 mm
- Steel ruler 150 mm

Juego de herramientas de medición
- *Calibre digital 150 mm/0-6"*
- *Micrómetro exterior 0-25 mm/0.01 mm*
- *Escuadra 100 x 70 mm*
- *Regla acero 150 mm*

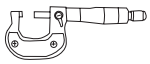
Jogo de instrumentos de medida
- Paquímetro Digital 0-150 mm/0-6
- Micrómetro de exteriores 0-25 mm/0.01 mm
- Esquadro 100 x 70 mm
- Régua semi-rígida inox 150 mm

2.09 digital | 4 PCS

DIGITAL

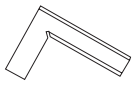


Art. 2972 — 150 mm x 0.01 mm / 6" x 0.0005"



Art. 2975 — 0-25 mm x 0.01 mm

150 mm x 19 mm



Art. 2978 — 100 mm x 70 mm / 90°

Art.
2980

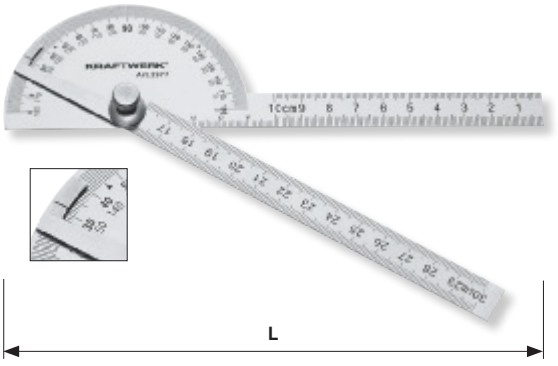
Steel protractor
satin chrome finish, with locking screw, for measuring the angular degrees of 0-180°

Medidor ángulos en acero
cromado satinado, con bloqueo mediante tornillo, para medir los grados de ángulo de 0 a 180°

Suta em aço
cromado mate, com parafuso de bloqueio, para medir ângulo de 0-180°

Art.	L mm	mm
2977	200	1 - 0-180°

inox



Electronic pocket digital level with 2 vials

Measures electronically angles and shows them on the digital display in degrees and percentages. Measurement range 0° to 90°, high resolution ± 0,1°, reading 0,1 degrees or percentage. Calibrating in seconds at the place and hold function. Shock resistant ABS polymer casing with magnetic aluminium base.

Nivel digital electrónico de bolsillo con 2 fiolas

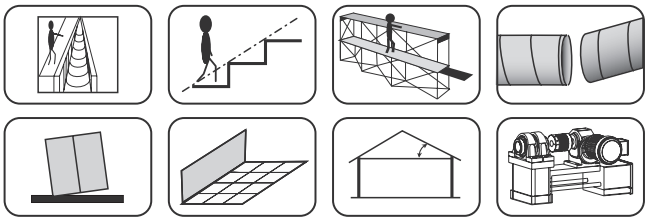
Medida de ángulo electrónicamente y lectura digital en grados y porcentaje. Capacidad de 0º- 90 º, precisión ± 0,1°, lectura gradual de 0,1 ó porcentaje. Calibrado rápido en segundos, botón de fijación. Resistente a golpes, carcasa en polimeros–ABS, base magnética en aluminio.

Nivel electrónico digital de bolso com 2 bolhas

Medida electrónica dos ângulos e mostra no display em graus e percentagem. Capacidade de medida 0º a 90º, alta resolução ± 0,1° de precisão, leitura em 0,1 graus ou percentagem. Calibração em segundos e posição de espera. Feito em ABS resistente ao choque com base magnética em alumínio.

107 x 55 x 18 mm

Art.
2939



Torpedo level

with magnetic base and 3 vials

Nivel torpedo

con base magnética y 3 fiolas

Nivel de Torpedo

com base magnética e 3 bolhas

Art.	L mm
3970	225

Feeler gauge set

Metric leaves of hardened spring steel, conical blade shape, with locking screw.

Juego de galgas

Hojas métricas de acero para muelles, forma de hoja cónica, con tornillo de bloqueo.

Jogo de apalpa folgas

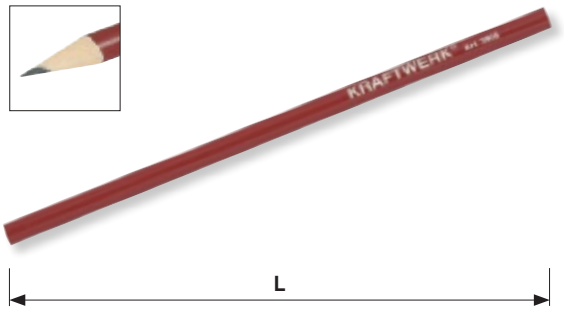
Folhas de aço métricas com mola de forma cônica, com parafuso de bloqueio.

Art.	L mm	mm
2974	107	0.05-0.1-0.15-0.2-0.3-0.4-0.5-0.6-0.7-0.8

10 PCS

Craftsman pencil
Lápiz de carpintero
Lápis de Carpinteiro

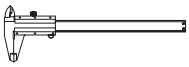
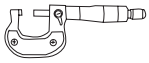
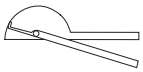
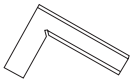
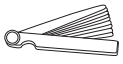
Art.	L mm	
3966	175	144



Measuring tool case
Estuche herramienta medición
Mala de ferramentas de medição

9 PCS

COMPLETO

	Art. 2970	150 mm x 0.05 mm / 6" x 1/128"
	Art. 4701-0519	5 m x 19 mm
	Art. 2975	0-25 mm x 0.01 mm
	Art. 3196	L 130-630 mm, 2000 g
	Art. 4998	145 mm
	Art. 2976	300 mm x 28 mm
	Art. 2977	200 mm
	Art. 2978	100 mm x 70 mm
	Art. 2974	0.05-0.1-0.15-0.2-0.3-0.4-0.5-0.6-0.7-0.8 mm

Art.
4900-12K

Magnifying glass with LED light

- 3 x magnification
- Very bright LED with intelligent IC for long battery life
- Non distorting high quality optical glass
- Ergonomic 2-components handle
- TPE rubber framing for extra protection

Lupa con luz LED

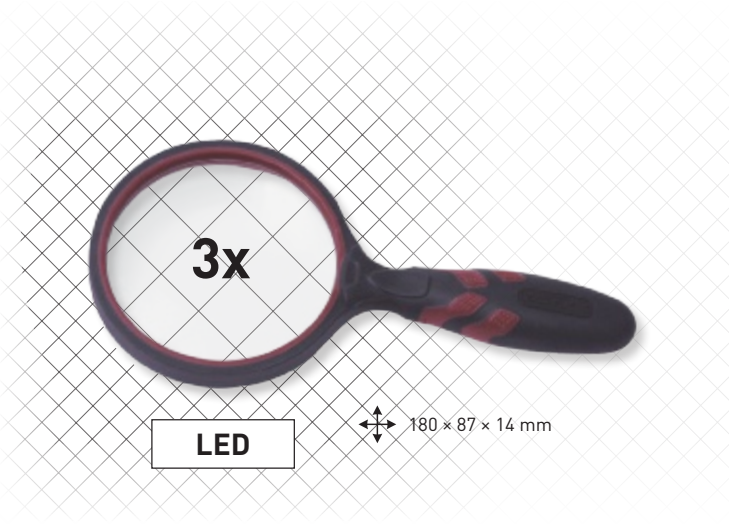
- *3x aumentos*
- *LED muy luminoso con IC inteligente para mejorar la vida de la pila*
- *No distorsiona, lente óptica de gran calidad*
- *Mango ergonómico bimaterial*
- *Marco de goma TPE para protección extra*

Lupa com luz LED

- Ampliação 3 x
- LED branco com inteligência IC para uma longa vida da bateria
- Vidro óptico de grande qualidade sem distorção
- Cabo ergonómico em bimatéria
- Moldura em borracha TPE para uma protecção extra

LED incl. 3x LR44

ERGOKRAFT



Art.
3341

LED lighted pocket magnifier

3 magnifications 3-5-7 x

Lupa de bolsillo con luz LED

3 niveles de aumento 3-5-7 x

Lupa de bolso com luz LED

3 ampliações 3-5-7 x

Art.
3342

Your notes / *Sus notas* / Suas notas

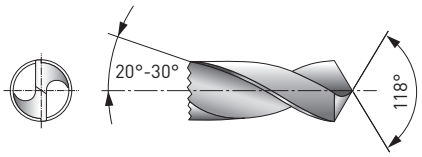
CHAPTER
CAPÍTULO
CAPÍTULO

9

Helicoidal twist drill
rollforged, cylindrical, short, right hand cutting, efficient, high concentricity, good chip removal

Broca helicoidal
laminada, cilíndrica, corta, corte a la derecha, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

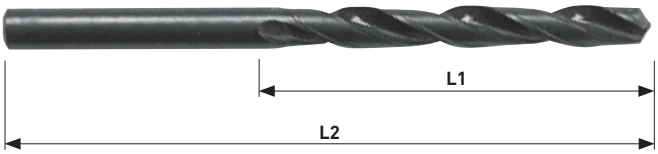
Broca helicoidal
laminado, cilíndrico, curto, corte à direita, bom desempenho, alta concentricidade, boa remoção de aparas



10 PCS
10 Pcs./*pz.*/pz.
Art. 10010 - Art. 10080

5 PCS
5 Pcs./*pz.*/pz.
Art. 10085 - Art. 10130

HSS DIN 338 N / ISO 235



Art.	Ø mm	L1 mm	L2 mm
10010	**1.0**	12	34
10015	**1.5**	18	40
10020	**2.0**	24	49
10025	**2.5**	30	57
10030	**3.0**	33	61
10032	**3.2**	36	65
10033	**3.3**	36	65
10035	**3.5**	39	70
10040	**4.0**	43	75
10042	**4.2**	43	75
10045	**4.5**	47	80

Art.	Ø mm	L1 mm	L2 mm
10048	**4.8**	53	86
10050	**5.0**	52	86
10055	**5.5**	57	93
10060	**6.0**	57	93
10065	**6.5**	63	101
10068	**6.8**	69	109
10070	**7.0**	69	109
10075	**7.5**	69	109
10080	**8.0**	75	117
10085	**8.5**	75	117
10090	**9.0**	81	125

Art.	Ø mm	L1 mm	L2 mm
10095	**9.5**	81	125
10100	**10.0**	87	133
10102	**10.2**	87	133
10105	**10.5**	87	133
10110	**11.0**	94	142
10115	**11.5**	94	142
10120	**12.0**	101	151
10125	**12.5**	101	151
10130	**13.0**	101	151

Twist drill set
rollforged, cylindrical, short, right hand cutting, efficient, high concentricity, good chip removal

Juego de brocas helicoidales
laminadas, cilíndricas, cortas, corte a la derecha, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Jogo de brocas helicoidal
laminadas, cilíndricas, curtas, corte à direita, bom desempenho, alta concentricidade, boa remoção de aparas

13 PCS **HSS** DIN 338 N / ISO 235

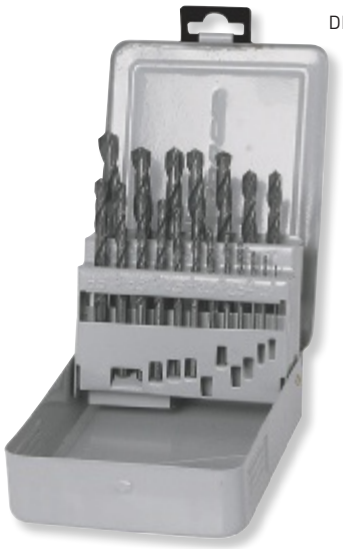
Art.	Ø mm
10903	2.0-2.5-3.0-3.5-4.0-4.5-5.0 5.5-6.0-6.5-7.0-7.5-8.0

Twist drill set
rollforged, cylindrical, short, right hand cutting, efficient, high concentricity, good chip removal

Juego de brocas helicoidales
laminadas, cilíndricas, cortas, corte a la derecha, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Jogo de brocas helicoidais
laminadas, cilíndricas, curtas, corte à direita, bom desempenho, alta concentricidade, boa remoção de aparas

19 PCS **HSS** DIN 338 N / ISO 235



Art.	Ø mm
10900	1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5 6.0-6.5-7.0-7.5-8.0-8.5-9.0-9.5-10.0

Twist drill set
rollforged, cylindrical, short, right hand cutting, efficient, high concentricity, good chip removal

Juego de brocas helicoidales
laminadas, cilíndricas, cortas, corte a la derecha, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Jogo de brocas helicoidais
laminadas, cilíndricas, curtas, corte à direita, bom desempenho, alta concentricidade, boa remoção de aparas

25 PCS **HSS** DIN 338 N / ISO 235

Art.	Ø mm
10906	1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0-6.5-7.0 7.5-8.0-8.5-9.0-9.5-10.0-10.5-11.0-11.5-12.0-12.5-13.0

Twist drill case
rollforged, cylindrical, short, right hand cutting, efficient, high concentricity, good chip removal

Estuche de brocas helicoidales
laminadas, cilíndricas, cortas, corte a la derecha, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Mala de brocas helicoidais
laminadas, cilíndricas, curtas, corte à direita, bom desempenho, alta concentricidade, boa remoção de aparas

170 PCS

HSS

DIN 338 N / ISO 235

Art.	Pcs.	Ø mm
10910	10 10 5	**1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5** **5.0-5.5-6.0-6.5-7.0-7.5-8.0** **8.5-9.0-9.5-10.0**

Twist drill magazin, empty
Estuche vacío para brocas
Mala vazia para brocas

Art.
10910K

Helicoidal twist drill

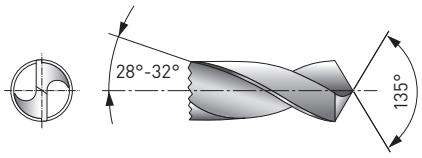
ground, cylindrical, short, right hand cutting, split point from Ø 3 mm, efficient, high concentricity, good chip removal

Broca helicoidal

rectificada, cilíndrica, corta, corte a la derecha, centrado automático a partir de Ø 3 mm, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Broca helicoidal

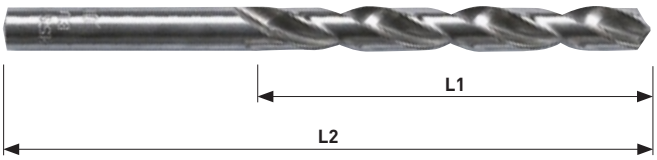
rectificada, cilíndrica, curta, corte à direita, centragem automática a partir de Ø 3 mm, bom desempenho, alta concentricidade, boa remoção de aparas



ground / *rectificada* / rectificada

HSS-G

DIN 338 N / ISO 235



10 PCS

10 pcs./*pz.*/pz.

Art. 11010 - Art. 11080

5 PCS

5 pcs./*pz.*/pz.

Art. 11081 - Art. 11130

Art.	Ø mm	L1 mm	L2 mm
11010	**1.0**	12	34
11011	**1.1**	14	36
11012	**1.2**	16	38
11013	**1.3**	16	38
11014	**1.4**	18	40
11015	**1.5**	18	40
11016	**1.6**	20	43
11017	**1.7**	20	43
11018	**1.8**	22	46
11019	**1.9**	22	46
11020	**2.0**	24	49
11021	**2.1**	24	49
11022	**2.2**	27	53
11023	**2.3**	27	53
11024	**2.4**	30	57
11025	**2.5**	30	57
11026	**2.6**	30	57
11027	**2.7**	33	61
11028	**2.8**	33	61
11029	**2.9**	33	61
11030	**3.0**	33	61
11031	**3.1**	36	65
11032	**3.2**	33	65
11033	**3.3**	33	65
11034	**3.4**	39	70
11035	**3.5**	39	70
11036	**3.6**	39	70
11037	**3.7**	39	70
11038	**3.8**	43	75
11039	**3.9**	43	75
11040	**4.0**	43	75
11041	**4.1**	43	75
11042	**4.2**	43	75

Art.	Ø mm	L1 mm	L2 mm
11043	**4.3**	47	80
11044	**4.4**	47	80
11045	**4.5**	47	80
11046	**4.6**	47	80
11047	**4.7**	47	80
11048	**4.8**	52	86
11049	**4.9**	52	86
11050	**5.0**	52	86
11051	**5.1**	52	86
11052	**5.2**	52	86
11053	**5.3**	52	86
11054	**5.4**	57	93
11055	**5.5**	57	93
11056	**5.6**	57	93
11057	**5.7**	57	93
11058	**5.8**	57	93
11059	**5.9**	57	93
11060	**6.0**	57	93
11061	**6.1**	63	101
11062	**6.2**	63	101
11063	**6.3**	63	101
11064	**6.4**	63	101
11065	**6.5**	63	101
11066	**6.6**	63	101
11067	**6.7**	63	101
11068	**6.8**	69	109
11069	**6.9**	69	109
11070	**7.0**	69	109
11071	**7.1**	69	109
11072	**7.2**	69	109
11073	**7.3**	69	109
11074	**7.4**	69	109
11075	**7.5**	69	109

Art.	Ø mm	L1 mm	L2 mm
11076	**7.6**	75	117
11077	**7.7**	75	117
11078	**7.8**	75	117
11079	**7.9**	75	117
11080	**8.0**	75	117
11081	**8.1**	75	117
11082	**8.2**	75	117
11083	**8.3**	75	117
11084	**8.4**	75	117
11085	**8.5**	75	117
11086	**8.6**	81	125
11087	**8.7**	81	125
11088	**8.8**	81	125
11089	**8.9**	81	125
11090	**9.0**	81	125
11091	**9.1**	81	125
11092	**9.2**	81	125
11093	**9.3**	81	125
11094	**9.4**	81	125
11095	**9.5**	81	125
11096	**9.6**	81	125
11097	**9.7**	87	133
11098	**9.8**	87	133
11099	**9.9**	87	133
11100	**10.0**	87	133
11102	**10.2**	87	133
11105	**10.5**	87	133
11110	**11.0**	94	142
11115	**11.5**	94	142
11120	**12.0**	101	151
11125	**12.5**	101	151
11130	**13.0**	101	151

Helicoidal twist drill set
ground, cylindrical, short, right hand cutting, split point from Ø 3 mm, efficient, high concentricity, good chip removal

Juego de brocas helicoidales
rectificadas, cilíndricas, cortas, corte a la derecha, centrado automático a partir de Ø 3 mm, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Jogo de brocas helicoidais
rectificadas, cilíndricas, curtas, corte à direita, centragem automática a partir de Ø 3 mm, bom desempenho, alta concentricidade, boa remoção de aparas

Art.	Ø mm
11904	1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5 6.0-6.5-7.0-7.5-8.0-8.5-9.0-9.5-10.0

19 PCS

HSS-G

DIN 338 N / ISO 235

ground / *rectificadas* / rectificadas

Helicoidal twist drill set
ground, cylindrical, short, right hand cutting, split point from Ø 3 mm, efficient, high concentricity, good chip removal

Juego de brocas helicoidales
rectificadas, cilíndricas, cortas, corte a la derecha, centrado automático a partir de Ø 3 mm, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Jogo de brocas helicoidais
rectificadas, cilíndricas, curtas, corte à direita, centragem automática a partir de Ø 3 mm, bom desempenho, alta concentricidade, boa remoção de aparas

Art.	Ø mm
11905	1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0-6.5-7.0 7.5-8.0-8.5-9.0-9.5-10.0-10.5-11.0-11.5-12.0-12.5-13.0

25 PCS

HSS-G

DIN 338 N / ISO 235

ground / *rectificadas* / rectificadas

Helicoidal twist drill case
ground, cylindrical, short, right hand cutting, split point from Ø 3 mm, efficient, high concentricity, good chip removal

Estuche de brocas helicoidales
rectificadas, cilíndricas, cortas, corte a la derecha, centrado automático a partir de Ø 3 mm, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Mala de brocas helicoidais
rectificadas, cilíndricas, curtas, corte à direita, centragem automática a partir de Ø 3 mm, bom desempenho, alta concentricidade, boa remoção de aparas

Art.	Pcs.	Ø mm
11910	10 10 5	1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5 5.0-5.5-6.0-6.5-7.0-7.5-8.0 8.5-9.0-9.5-10.0

170 PCS

HSS-G

DIN 338 N / ISO 235

ground / *rectificadas* / rectificadas

Helicoidal twist drill

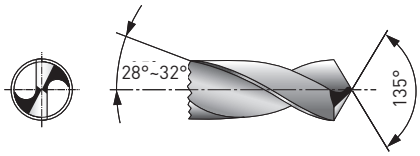
cobalt-alloyed, ground, cylindrical, short, right hand cutting, split point from Ø 3 mm, efficient, high concentricity, good chip removal

Broca helicoidal

aleación de cobalto, rectificada, cilíndrica, corta, corte a la derecha, centrado automático a partir de Ø 3 mm, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Broca helicoidal

liga de cobalto, rectificada, cilíndrica, curta, corte à direita, centragem automática a partir de Ø 3 mm, bom desempenho, alta concentricidade, boa remoção de aparas



ground / *rectificadas* / rectificadas

10 PCS

10 Pcs./*pz.*/pz.

Art. 13010 - Art. 13080

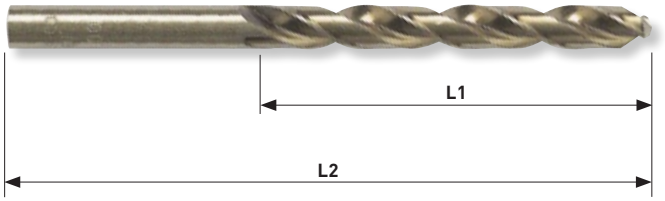
5 PCS

5 Pcs./*pz.*/pz.

Art. 13085 - Art. 13130

HSS-E Co 5

DIN 338 N / ISO 235



Art.	Ø mm	L1 mm	L2 mm
13010	**1.0**	12	34
13015	**1.5**	18	40
13020	**2.0**	24	49
13025	**2.5**	30	57
13030	**3.0**	33	61
13032	**3.2**	36	65
13033	**3.3**	36	65
13035	**3.5**	39	70
13040	**4.0**	43	75
13042	**4.2**	43	75
13045	**4.5**	47	80

Art.	Ø mm	L1 mm	L2 mm
13048	**4.8**	53	86
13050	**5.0**	52	86
13055	**5.5**	57	93
13060	**6.0**	57	93
13065	**6.5**	63	101
13068	**6.8**	69	109
13070	**7.0**	69	109
13075	**7.5**	69	109
13080	**8.0**	75	117
13085	**8.5**	75	117
13090	**9.0**	81	125

Art.	Ø mm	L1 mm	L2 mm
13095	**9.5**	81	125
13100	**10.0**	87	133
13102	**10.2**	87	133
13105	**10.5**	87	133
13110	**11.0**	94	142
13115	**11.5**	94	142
13120	**12.0**	101	151
13125	**12.5**	101	151
13130	**13.0**	101	151

Helicoidal twist drill set
cobalt-alloyed, ground, cylindrical, short, right hand cutting, split point from Ø 3 mm, efficient, high concentricity, good chip removal

Juego de brocas helicoidales
aleación de cobalto, rectificadas, cilíndricas, cortas, corte a la derecha, centrado automático a partir de Ø 3 mm, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Jogo de brocas helicoidais
ligadas de cobalto, rectificadas, cilíndricas, curtas, corte à direita, centragem automática a partir de Ø 3 mm, bom desempenho, alta concentricidade, boa remoção de aparas

Art.	Ø mm
13904	1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5 6.0-6.5-7.0-7.5-8.0-8.5-9.0-9.5-10.0

19 PCS

HSS-E Co 5

DIN 338 N / ISO 235

ground / *rectificadas* / rectificadas

Helicoidal twist drill set
cobalt-alloyed, ground, cylindrical, short, right hand cutting, split point from Ø 3 mm, efficient, high concentricity, good chip removal

Juego de brocas helicoidales
aleación de cobalto, rectificadas, cilíndricas, cortas, corte a la derecha, centrado automático a partir de Ø 3 mm, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Jogo de brocas helicoidais
ligadas de cobalto, rectificadas, cilíndricas, curtas, corte à direita, centragem automática a partir de Ø 3 mm, bom desempenho, alta concentricidade, boa remoção de aparas

Art.	Ø mm
13905	1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0-6.5-7.0 7.5-8.0-8.5-9.0-9.5-10.0-10.5-11.0-11.5-12.0-12.5-13.0

25 PCS

HSS-E Co 5

DIN 338 N / ISO 235

ground / *rectificadas* / rectificadas

Helicoidal twist drill case
cobalt-alloyed, ground, cylindrical, short, right hand cutting, split point from Ø 3 mm, efficient, high concentricity, good chip removal

Estuche de brocas helicoidales
aleación de cobalto, rectificadas, cilíndricas, cortas, corte a la derecha, centrado automático a partir de Ø 3 mm, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Mala de brocas helicoidais
ligadas de cobalto, rectificadas, cilíndricas, curtas, corte à direita, centragem automática a partir de Ø 3 mm, bom desempenho, alta concentricidade, boa remoção de aparas

Art.	Pcs.	Ø mm
13910	10 10 5	1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5 5.0-5.5-6.0-6.5-7.0-7.5-8.0 8.5-9.0-9.5-10.0

170 PCS

HSS-E Co 5

DIN 338 N / ISO 235

ground / *rectificadas* / rectificadas

Helicoidal twist drill for core holes

ground, cylindrical, short, right hand cutting, split point from Ø 3 mm, efficient, high concentricity, good chip removal

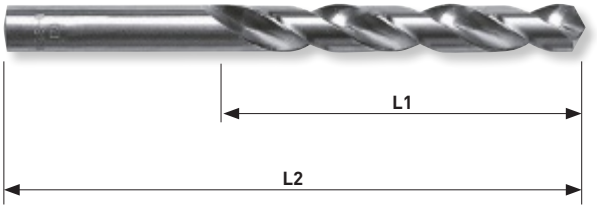
Broca helicoidal trepanadora

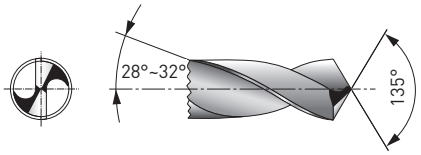
rectificada, cilíndrica, corta, corte a la derecha, centrado automático a partir de Ø 3 mm, de buen rendimiento, de alta concentricidad, buena evacuación de las virutas

Broca helicoidal

rectificada, cilíndrica, curta, corte à direita, centragem automática a partir de Ø 3 mm, bom desempenho, alta concentricidade, boa remoção de aparas

HSS-G DIN 338 N / ISO 235





ground / *rectificadas* / rectificadas

Art.	Ø mm	L1 mm	L2 mm	PCS.
15016	1.6 (M2)	20	43	3
15020.5	2.05 (M2.5)	24	49	3
15025	2.5 (M3)	30	57	3
15033	3.3 (M4)	36	65	3
15042	4.2 (M5)	43	75	2
15050	5.0 (M6)	52	86	2
15068	6.8 (M8)	69	109	1
15085	8.5 (M10)	75	117	1
15102	10.2 (M12)	87	133	1

Hand tap set

directly ground from the rod, set of 3 pieces with taper tap, second tap and plug tap, high cutting performance

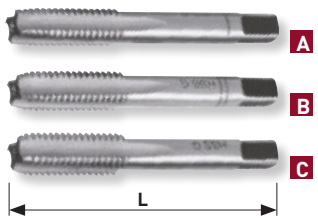
Juego de machos manuales

rectificados de una pieza, juego de 3 piezas con desbaste, intermedio y acabado, alto rendimiento de corte

Jogo de machos

rectificados, jogo de 3 peças com desbaste, intermédio e acabamento, alto desempenho de corte

HSS-G DIN 352 / ISO 2857



Art.	Ø mm	mm	L mm	PCS.
21030	M3 (2.5)	0.5	44	3
21040	M4 (3.3)	0.7	47	3
21050	M5 (4.2)	0.8	53	3
21060	M6 (5.0)	1	55	3
21080	M8 (6.8)	1.25	56	3
21100	M10 (8.5)	1.5	69	3
21120	M12 (10.2)	1.75	75	3

A Taper tap
Desbaste
Iniciar

B Second tap
Intermedio
Intermédio

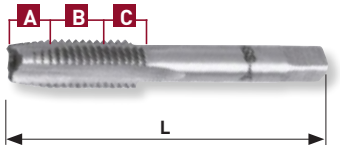
C Plug tap
Acabado
Acabamento

Short machine and hand tap
directly ground from the rod, high cutting performance

Macho manual y a máquina
corto, rectificado de una pieza, alto rendimiento de corte

Macho manual e máquina
curto, rectificado, alto desempenho de corte

HSS-G DIN 352 / ISO 2857



Art.	Ø mm	mm	L mm	PCS.
22020	M2 (1.6)	0.4	38	1
22025	M2.5 (2.05)	0.45	43	1
22030	M3 (2.5)	0.5	44	1
22040	M4 (3.3)	0.7	47	1
22050	M5 (4.2)	0.8	53	1
22060	M6 (5.0)	1	55	1
22080	M8 (6.8)	1.25	56	1
22100	M10 (8.5)	1.5	69	1
22120	M12 (10.2)	1.75	75	1

A Taper tap
Desbaste
Iniciar

B Second tap
Intermedio
Intermédio

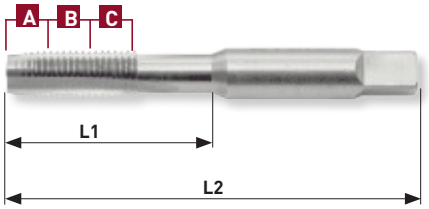
C Plug tap
Acabado
Acabamento

Short machine and hand tap
directly ground from the rod, high cutting performance

Macho manual y a máquina
corto, rectificado de una pieza, alto rendimiento de corte

Macho manual e máquina
curto, rectificado, alto desempenho de corte

HSS DIN 371



Art.	Ø mm	mm	L1 mm	L2 mm	PCS.
4900-51T05	M5 (5.2)	0.8	21	61	1
4900-51T06	M6 (6.3)	1	24	69	1
4900-51T08	M8 (8.4)	1.25	28	78	1
4900-51T10	M10 (10.5)	1.5	33	89	1
4900-51T12	M12 (12.5)	1.75	32	88	1
4900-51T14	M14 (14.5)	2	40	100	1

A Taper tap
Desbaste
Iniciar

B Second tap
Intermedio
Intermédio

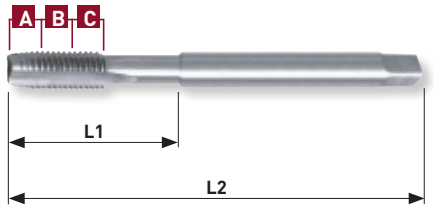
C Plug tap
Acabado
Acabamento

Long machine tap
directly ground from the rod, high cutting performance

Macho a máquina
largo, rectificado de una pieza, alto rendimiento de corte

Macho de máquina
longo, rectificado, alto desempenho de corte

HSS-G DIN 371



A Taper tap
Desbaste
Iniciar

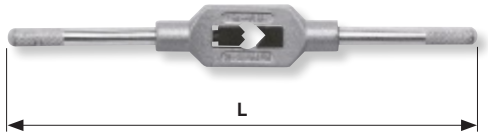
B Second tap
Intermedio
Intermédio

C Plug tap
Acabado
Acabamento

Art.	Ø mm	mm	L1 mm	L2 mm	PCS.
25030	**M3 (2.5)**	0.5	21	61	1
25040	**M4 (3.3)**	0.7	24	69	1
25050	**M5 (4.2)**	0.8	28	78	1
25060	**M6 (5.0)**	1	33	89	1
25080	**M8 (6.8)**	1.25	32	88	1
25100	**M10 (8.5)**	1.5	40	100	1
25120	**M12 (10.2)**	1.75	80	110	1

Adjustable tap wrench
Giramacho ajustable
Porta-machos ajustável

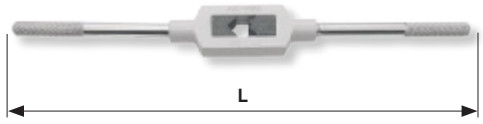
DIN 1814



Art.	No.	Ø	L mm
24015	1-1/2	**M2 - M12**	175

Adjustable tap wrench
Giramacho ajustable
Porta-machos ajustável

DIN 1814

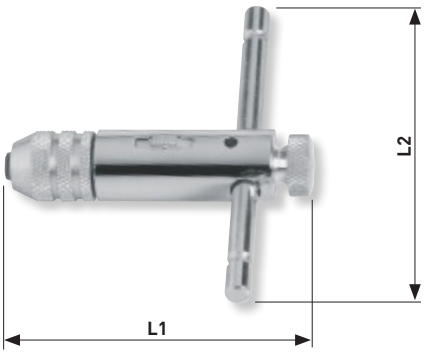


Art.	No.	Ø	L mm
4900-51A412	2	**M4 - M12**	280
4900-51A620	3	**M6 - M20**	375

Tap holder with ratchet
Giramacho con carraca
Porta-machos com roquete

DIN 1814

Art.	No.	Ø	L1 mm	L2 mm
24110	1	**M3 - M10**	100	86



Die
round, high cutting performance
Terraja
redonda, alto rendimiento de corte
Caçoneto
redondo, alto desempenho de corte

HSS-G

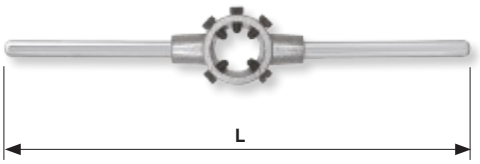
DIN / ISO 261

Art.	Ø	mm	D mm
26030	**M3**	0.5	25
26040	**M4**	0.7	25
26050	**M5**	0.8	25
26060	**M6**	1	25
26080	**M8**	1.25	25
26100	**M10**	1.5	25
26120	**M12**	1.75	25

Die stock
Portaterrajas
Porta-caçonetos

DIN 225

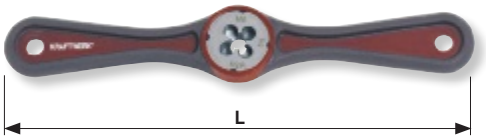
Art.	No.	Ø	L mm
24010	3	**M3 - M12**	215



Die with holder
high cutting performance

Terraja con portaterraja
alto rendimiento de corte

Caçoneto com suporte
alto desempenho de corte



Art.	Ø	mm	D mm
23020	**M2**	0.4	179
23025	**M2.5**	0.45	179
23030	**M3**	0.5	179
23040	**M4**	0.7	179
23050	**M5**	0.8	179
23060	**M6**	1	221
23080	**M8**	1.25	221
23100	**M10**	1.5	221
23120	**M12**	1.75	221

Pitch gear
Galga para rosca
Conta fios

24 PCS

Art.	mm
24200	0.25-0.30-0.35-0.40-0.45-0.50-0.60-0.70 0.75-0.80-0.90-1.00-1.25-1.50-1.75-2.00 2.50-3.00-3.50-4.00-4.50-5.00-5.00-5.50-6.00

Pitch gear
Galga para rosca
Conta fios

16 PCS

Art.	mm
4900-51A1240	0.25-0.30-0.35-0.40-0.45-0.50-0.60-0.70 0.75-0.80-0.90-1.00-1.25-1.50-1.75-2.00

Drill, machine and hand tap + die set
ground

Juego de brocas, machos manuales, a máquina y terrajas
rectificadas

Jogo de brocas, machos manual, máquina e caçonetos
rectificados

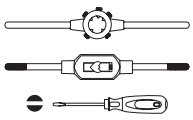
24 PCS

HSS-G

270 x 150 x 55 mm

Art.	Ø
3240MOD	M3 - M12

Art. 26030	M3	Art. 11025	2.5 mm
Art. 26040	M4	Art. 11033	3.3 mm
Art. 26050	M5	Art. 11042	4.2 mm
Art. 26060	M6	Art. 11050	5.0 mm
Art. 26080	M8	Art. 11068	6.8 mm
Art. 26100	M10	Art. 11085	8.5 mm
Art. 26120	M12	Art. 11102	10.2 mm



Art. 24010	No. 3 M3-M12	Art. 22030	M3
Art. 24015	No. 1-1/2 M2-M12	Art. 22040	M4
		Art. 22050	M5
		Art. 22060	M6
		Art. 22080	M8
		Art. 22100	M10
		Art. 22120	M12

Drill, and tap + die case
ground

Estuche de brocas, machos manuales y terrajas
rectificadas

Estojo de brocas, machos e caçonetos
rectificados

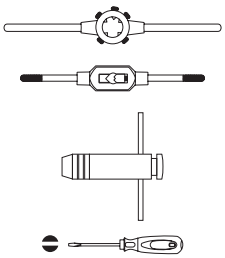
56 PCS

HSS-G

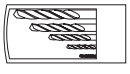
410 x 275 x 70 mm

Art.	Ø
3245MOD	M3 - M12

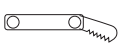
Art. 26030	M3	Art. 11033	3.3 mm
Art. 26040	M4	Art. 11042	4.2 mm
Art. 26050	M5	Art. 11068	6.8 mm
Art. 26060	M6	Art. 11102	10.2 mm
Art. 26080	M8		
Art. 26100	M10		
Art. 26120	M12		



Art. 24010	No. 3 M3-M12	Art. 21030	M3
Art. 24015	No. 1-1/2 M2-M12	Art. 21040	M4
Art. 24110	No. 1 M3-M10	Art. 21050	M5
		Art. 21060	M6
		Art. 21080	M8
		Art. 21100	M10
		Art. 21120	M12



Art. 11904 1-10 / 0.5 mm



Art. 24200 0.25-6.0 mm

Drill, and tap + die case
ground

Estuche de brocas, machos manuales y terrajas
rectificadas

Estojo de brocas, machos e caçonetos
rectificados

42 PCS

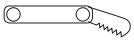
HSS-G

COMPLETO

Art.	Ø
4900-59K	**M3 - M12**

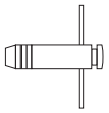
Ø 25 mm

Art. 26030 M3
Art. 26040 M4
Art. 26050 M5
Art. 26060 M6
Art. 26080 M8
Art. 26100 M10
Art. 26120 M12


Art. 24200 0.25-6.0 mm / 60°

Art. 24010 M3-M12

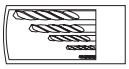
Art. 24015 M2-M12


Art. 24110 M3-M10

Art. 3240S 0.5 mm

Art. 11033 3.3 mm
Art. 11042 4.2 mm
Art. 11068 6.8 mm
Art. 11102 10.2 mm

Art. 25030 M3
Art. 25040 M4
Art. 25050 M5
Art. 25060 M6
Art. 25080 M8
Art. 25100 M10
Art. 25120 M12


Art. 11904 1-10 / 0.5 mm

402 x 173 x 48 mm

Drill, machine and hand tap + die set
ground, with dies with holder

Juego de brocas, machos manuales y a máquina y terrajas
rectificadas, con terrajas con portaterraja

Jogo de brocas, machos manual, máquina e caçonetos,
rectificados, com caçonetos com suporte

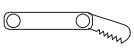
40 PCS

HSS-G

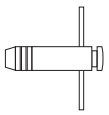
COMPLETO

Art.	Ø
4900-34K	**M3 - M12**

Art. 23030 M3
Art. 23040 M4
Art. 23050 M5
Art. 23060 M6
Art. 23080 M8
Art. 23100 M10
Art. 23120 M12

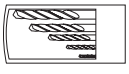

Art. 24200 0.25-6.0 mm

Art. 24015 No. 1-1/2 M2-M12


Art. 24110 No. 1 M3-M10

Art. 11033 3.3 mm
Art. 11042 4.2 mm
Art. 11068 6.8 mm
Art. 11102 10.2 mm

Art. 25030 M3
Art. 25040 M4
Art. 25050 M5
Art. 25060 M6
Art. 25080 M8
Art. 25100 M10
Art. 25120 M12


Art. 11904 1-10 / 0.5 mm

421 x 200 x 68 mm

Thread inserts
Helicoides
Roscas falsas

Art.	Ø	Pcs.
28050	M5 x 0.8	12
28060	M6 x 1.0	12
28080	M8 x 1.25	12
28100	M10 x 1.25	12
28120	M12 x 1.75	6
28140	M14 x 1.25	6

Tang puncher
Centrador
Punção

Art.	Ø
4900-51P05	M5
4900-51P06	M6
4900-51P08	M8
4900-51P10	M10
4900-51P12	M12
4900-51P14	M14

Coil installation shank
Insertos helicoil
Ferramenta de instalação

Art.	Ø
4900-51S05	M5
4900-51S06	M6
4900-51S08	M8
4900-51S10	M10
4900-51S12	M12
4900-51S14	M14

Telescope magnetic pick up
Dedo magnético telescópico
Pesca peças telescopico magnético

Art.
4900-51M

Rachtet driver for thread inserts
Maneral de instalación de helicoides
Roquete de instalação de roscas falsas

Art.
4900-51R

Threaded coil-insert repair kit
with coils
Caja de herramientas para reparar roscas
con helicoides
Kit de ferramentas para reparação de roscas
com roscas

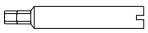
77 PCS

COMPLETO

Art.
4900-51K

M4-M12, M6-M20
3/18"-1/2", 1/4"-3/4"

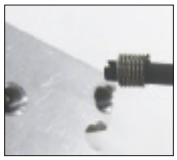
M5×0.8, M6×1.0,
M8×1.25, M10×1.5,
M12×1.75, M14×1.25

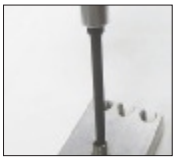


M5×0.8, M6×1.0,
M8×1.25, M10×1.5,
M12×1.75, M14×1.25

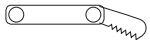
HSS-G

M5×0.8, M6×1.0,
M8×1.25, M10×1.5,
M12×1.75, M14×1.25

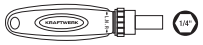




215-640 mm



0.5-1.75 mm



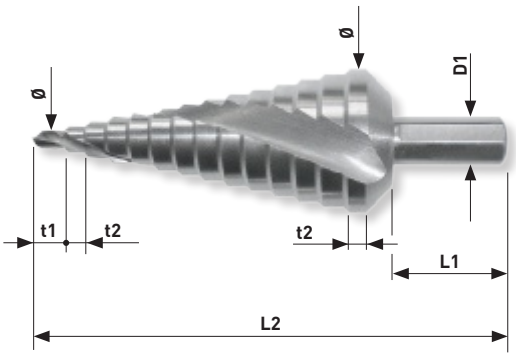
16	M5-0.8
12	M6-1.0
10	M8-1.25
6	M10-1.5
5	M12-1.75
4	M14-1.25

Step drill with spiral flute
with ground spiral groove and edge breaker, very high cutting performance

Broca escalonada
con ranura rectificada helicoidal y espigador, muy alto rendimiento de corte

Fresa cónica escalonada
rectificada, com ranhura em espiral e espigão, alto rendimento de corte

HSS-E Co 5%



Art.	min-max Ø mm	t1 mm	t2 mm	D1 mm	L1 mm	L2 mm
18010	**4-5-6-7-8-9-10-11-12**	7	4.5	6	20	65
18020	**4-6-8-10 12-14-16-18-20**	8	5.5	8	20	75
18030	**4-6-8-10-12-14-16 18-20-22-24-26-28-30**	8	5	10	22	100

Step drill set with spiral flute
with ground spiral groove and edge breaker, very high cutting performance

3 PCS

HSS-E Co 5%

Juego de brocas escalonadas
con ranura rectificada helicoidal y espigador, muy alto rendimiento de corte

Jogo de fresas cónicas escalonadas
rectificadas, com ranhura em espiral e espigão, alto rendimento de corte

Art. 18010 4-12 mm
Art. 18020 4-20 mm
Art. 18030 4-30 mm

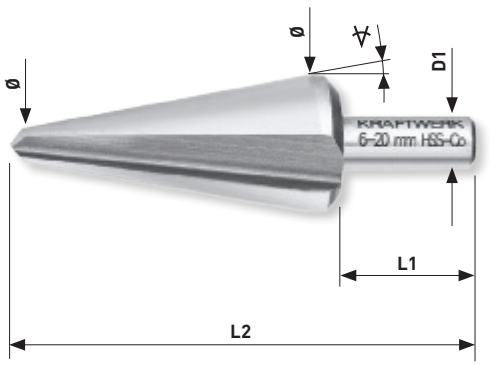
Art.	min-max Ø mm
18000	**4 - 12 / 4 - 20 / 4 - 30**

Tube and sheet drill
with ground groove, conique form at 20°, very high cutting performance

HSS-E Co 5%

Broca cónica
con ranura rectificada, forma cónica de 20°, muy alto rendimiento de corte

Fresa cónica
rectificada com ranhura, forma cônica à 20°, alto desempenho de corte



Art.	min-max Ø mm	∢	D1 mm	L1 mm	L2 mm
18110	**3 - 14**	10°	6	20	58
18120	**5 - 20**	10°	8	20	71
18130	**16 - 30.5**	12°	9	22	77

Tube and sheet drill set
with ground groove, conique form at 20°,
very high cutting performance

Juego de brocas cónicas
con ranura rectificada, forma cónica de 20°,
muy alto rendimiento de corte

Jogo de fresas cónicas
rectificadas com ranhura, forma cônica à 20°,
desempenho alto de corte

3 PCS

HSS-E Co 5%

Art. 18110 3-14 mm
Art. 18120 5-20 mm
Art. 18130 16-30.5 mm

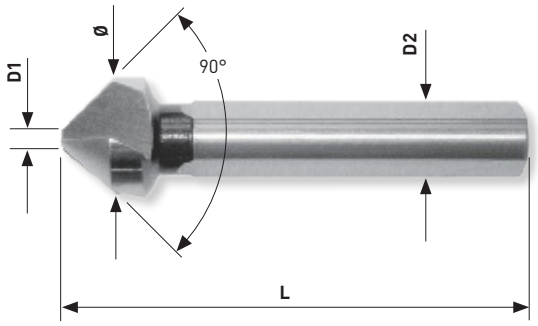
Art.	min-max Ø mm
18100	**3 - 14 / 5 - 20 / 16 - 30.5**

Countersink
90°, 3 ground flutes

Avellanador
90°, de tres filos rectificados

Fresa de escarear
90°, 3 lâminas rectificadas

HSS-E Co 5% DIN 335 C



Art.	Ø mm	D1 mm	D2 mm	L mm
18210	**6.3**	1.5	5	45
18220	**8.3**	2	6	50
18230	**10.4**	2.5	6	50
18240	**12.4**	2.8	8	56
18250	**16.5**	3.2	10	60
18260	**20.5**	3.5	10	63

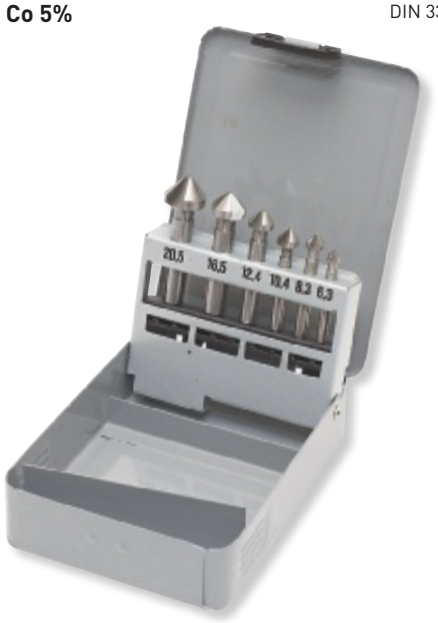
Countersink set
90°, 3 ground flutes

Juego de avellanadores
90°, de tres filos rectificados

Jogo de fresas de escarear
90°, 3 lâminas rectificadas

6 PCS

HSS-E Co 5% DIN 335 C



Art. 18210 6.3 mm
Art. 18220 8.3 mm
Art. 18230 10.4 mm
Art. 18240 12.4 mm
Art. 18250 16.5 mm
Art. 18260 20.5 mm

Art.	Ø mm
18200	**6.3 - 8.3 - 10.4 - 12.4 - 16.5 - 20.5**

Flat countersink
Avellanador para asientos de tornillos
Fresa direita

HSS-E Co 5% DIN 373

Art.	Ø mm	D1 mm	D2 mm	L mm
18310	3.4 (M3)	6	5	71
18320	4.5 (M4)	8	5	71
18330	5.5 (M5)	10	8	80
18340	6.6 (M6)	11	8	80
18350	9 (M8)	15	12.5	100
18360	11 (M10)	18	12.5	100

Flat countersink set
Juego de avellanadores para asientos de tornillos
Jogo de fresas direitas

6 PCS

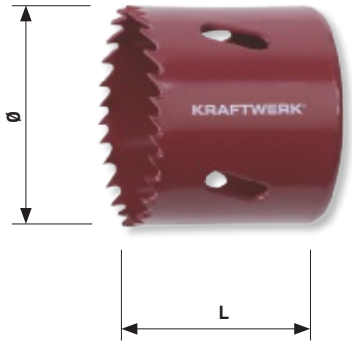
HSS-E Co 5% DIN 335 C

Art. 18310 3.4 mm / M3
Art. 18320 4.5 mm / M4
Art. 18330 5.5 mm / M5
Art. 18340 6.6 mm / M6
Art. 18350 9.0 mm / M8
Art. 18360 11.0 mm / M10

Art.	Ø mm
18300	3.4-4.5-5.5-6.6-9.0-11.0

Hole saw
Corona perforada
Broca craniana

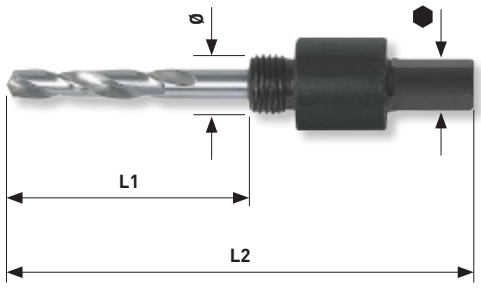
HSS-E Co 8% Bi-Metall DIN 335 C



Art.	Ø mm		L mm
19190	19	Art. 19001	50
19200	20	Art. 19001	48
19220	22	Art. 19001	48
19250	25	Art. 19001	48
19290	29	Art. 19001	48
19320	32	Art. 19002	50
19350	35	Art. 19002	48
19380	38	Art. 19002	44
19440	44	Art. 19002	43
19510	51	Art. 19002	43
19570	57	Art. 19002	43
19650	65	Art. 19002	43
19680	68	Art. 19002	43
19760	76	Art. 19002	43

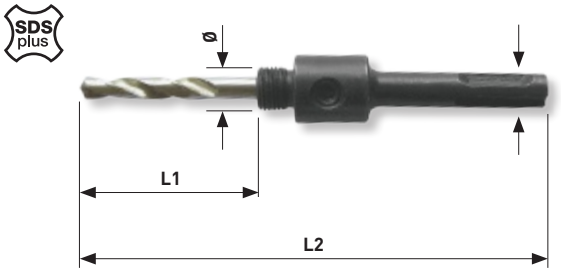
Hole saw arbor with pilot drill
Husillo con broca guía
Suporte para brocas com broca guia

Art.	Ø	⬢ inch	L1 mm	L2 mm	Ø mm
19001	**M14**	3/8"	50	95	14 - 30



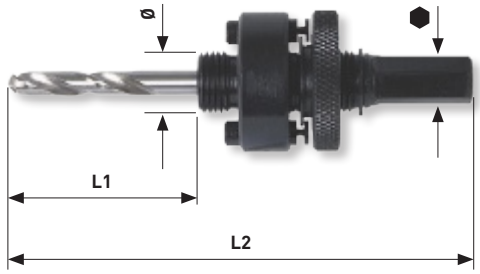
Hole saw arbor SDS-plus with pilot drill
Husillo SDS-plus con broca guía
Suporte SDS-plus para brocas com broca guia

Art.	Ø	SDS plus	L1 mm	L2 mm	Ø mm
19005	**M14**	SDS-Plus	46	126	14 - 30



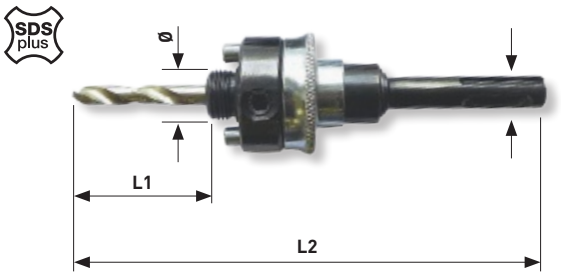
Hole saw arbor with pilot drill
Husillo con broca guía
Suporte para brocas com broca guia

Art.	Ø	⬢ inch	L1 mm	L2 mm	Ø mm
19002	**M14**	7/16"	50	118	32 - 76



Hole saw arbor SDS-plus with pilot drill
Husillo SDS-plus con broca guía
Suporte SDS-plus para brocas com broca guia

Art.	Ø	SDS plus	L1 mm	L2 mm	Ø mm
19006	**M14**	SDS-Plus	46	146	32 - 76

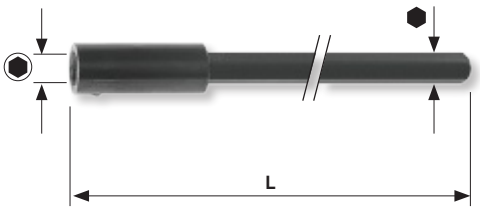


Pilot drill
Broca guía
Broca guia

Art.	Ø inch / mm	L mm
19004	**1/4" / 6,35 mm**	75

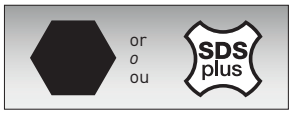
Extension bar for hole saws
Alargadera para coronas perforadas
Extensão para brocas cranianas

Art.	⬢ inch	⬢ mm	L mm
19003	3/8"	3/8"	300



KRAFTWERK
FAVORITE TOOLS SINCE 1979

Hole saw case
Estuche de coronas perforadas
Mala de brocas cranianas



HSS-E Co 8% Bi-Metall M42

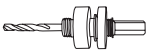
Art.		
4900-39K	⬢	✓
4900-39KS	SDS plus	

HSS bimetal
M42+8%Co

16 PCS

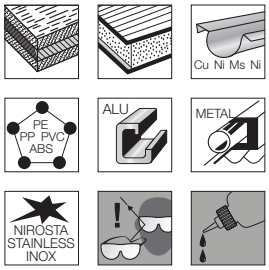
15 PCS

Art. 19001 Art. 19005 14-30 mm / 3/8"


Art. 19002 Art. 19006 32-76 mm / 7/16"

Art. 19003 300 mm / 3/8"

Art. 19190	19 mm
Art. 19200	20 mm
Art. 19220	22 mm
Art. 19250	25 mm
Art. 19290	29 mm
Art. 19320	32 mm
Art. 19350	35 mm
Art. 19380	38 mm
Art. 19440	44 mm
Art. 19510	51 mm
Art. 19570	57 mm
Art. 19680	68 mm
Art. 19760	76 mm



402 × 173 × 48 mm

COMPLETO

Art. 4900-39K

Art. 4900-39B

Technical characteristics
Características técnicas
Caracteristicas tecnicas

DIN
Produced according to DIN specifications
Fabricado según normas DIN
Produzido sobre as normas DIN

ISO
Produced according to ISO specifications
Fabricado según normas ISO
Produzido sobre as normas ISSO

TÜV-GS - approved
Aprobado TÜV-GS
TUV-GS aprovado

Weight
Peso
Peso

Dimensions
Dimensiones
Dimensões

inch
Inch - sizes
Dimensiones - pulgadas
Medidas em polegadas

Nm
Per revolution
Por giro
Para rodar

XXL
Extra long pattern
Modelo extra largo
Modelo extra longo

XS
Short pattern
Modelo corto
Modelo curto

45 72
Ratchet mechanism, teeth per revolution
Mecanismo carraca, numero dientes por giro
Mecanismo de roquete, quantidade de dentes por volta

Magnetic
Imantado
Magnético

Usage with impact wrench
Uso con llaves de impacto
Uso com chave impacto

K
Cable
Cable
Cabo

C
Copper wire
Alambre cobre
Fio de Cobre

S
Soft wire
Alambre blando
Fio macio

M
Medium hard wire
Alambre semi duro
Arame Médio - Duro

H
Hard wire
Alambre duro
Fio duro

P
Piano wire
Cuerda piano
Corda de piano

SD
Steel wire
Alambre acero
Fio de aço

Locking device
Bloqueo
Sistema de fecho

CrV
Chrome-vanadium
Cromo-Vanadio
Chrome-Vanadium

CrMo
Chrome-molybdenum
Cromo-molibdeno
Chrome-Molybdenum

110-250 V
VDE-approved 110-250V
Aprobado VDE -110-250V
VDE aprovado 110-250V

1000 V
Produced/approved acc. to DIN/EN 60900 for working at voltage of AC 1000V and DC 1500V
Fabricado/Aprobado según DIN/EN 60900 para trabajos bajo tensión de AC 1000V y DC 1500V
Produzido/Aprovado de acordo DIN/EN 60900 para trabalho a voltagem AC1000V e DC1500V

S2 quality
S2 steel
(chrome-silicium-manganese-molybdenum-vanadium-steel)
Acero S2
(acero cromo-silicio-manganeso-mobdileno-vanadio)
Aço S2
(aço-cromio-silicium-manganés-molibdenio-vanádio)

ESD
ESD-handle against electrostatic.
Does not provide protection for electric voltage!
Mango ESD contra electricidad estática.
Sin protección para tensión eléctrica!
ESD-cabo contra electricidade estática.
Não fornece protecção contra voltagem electrica!

Commercial characteristics
Características comerciales
Caracteristicas comerciais

Pieces per item
Piezas por unidad
Peças por unidade

PCS
Assembly number
Número piezas
Numero de peças

Conditions are subject to stock availability.
Modelos suceptibles de cambios segun disponibilidad.
Sujeito a alterações de mod elos e disponibilidade em stock.

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KRAFTWERK tools - your constant and dependable companions

Herramientas KRAFTWERK - siempre resistentes y fiables

Ferramentas KRAFTWERK - fieis e de confiança

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geral@dimarx.pt - www.dimarx.pt