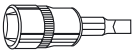
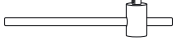




HIGHTECH Professional socket wrench case

Estuche llaves de vaso profesional universal HIGHTECH

Mala HIGHTECH Professional com roquete

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



HIGHTECH FINE POWER



300 x 190 x 60 mm

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

		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"
		Art. 3200	
		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"



194 x 133 x 35 mm

ABS

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.

		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
		Art. 4009	
		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"



163 x 80 x 35 mm

ABS

Socket wrench and bit set

in stainless steel

Juego de llaves de vaso y puntas

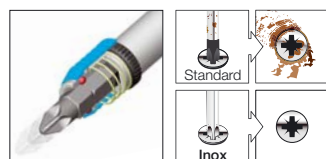
en acero inoxidable

Jogo de chaves de caixa e bits

em aço inox

		13	4-4.5-5-5.5-6-7-8-9 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 inoxidable 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.



1/4"



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



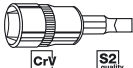
1/4" 1/4"



Art. 3200



1/4"



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"



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.	1/4"	1/4"
2004	1/4"	1/4"

HIGHTECH Professional socket wrench case

Estuche llaves de vaso profesional universal HIGHTECH

Mala HIGHTECH Professional com roquete

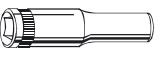
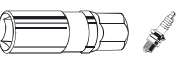
3/8"

5/16"

HIGHTECH FINE POWER



101
PCS

- | | | | |
|--|---|-----------|---|
|  |  | 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 | ● 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" |



400 x 290 x 80 mm

Art.	○	●
4017	3/8"	5/16"

Socket wrench set

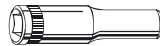
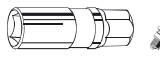
in solid metal case

Juego de llaves de vaso

en estuche sólido metálico

Jogo de chaves de caixa

em caixa metálica

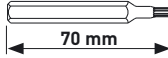
		15	6-7-8-9-10-11-12-13-14 15-16-17-18-19-22 mm
		4	10-13-17-19 mm
		2	16 mm / 21 mm
			□ 3/8" ○ 1/4"
			□ 3/8" ■ 3/8"
		2	75 mm / 250 mm
			○ 1/2" ■ 3/8"
		Art. 3210	
		4	4-5.5-6.5-8 mm
		3	PH 1-2-3
		3	PZ 1-2-3
		7	T10-T15-T20-T25-T27-T30-T40
		6	3-4-5-6-7-8 mm

Art.	□	■
2013	3/8"	1/4"

HIGHTECH Professional socket wrench case

Estuche llaves de vaso profesional universal HIGHTECH

Mala HIGHTECH Profissional com roquete

		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"
		7	T10-T15-T20-T25-T27-T30-T40
		4	T45-T50-T55-T60
		5	M5-M6-M8-M10-M12
			■ 1/4" ■ 3/8"

Art.	□	■
4013	3/8"	1/4" + 5/16"



350 x 195 x 50 mm



HIGHTECH



260 x 160 x 60 mm

Socket wrench set

Juego de llaves de vaso

Jogo de chaves de caixa

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"		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.	1/4" + 3/8"	1/4"
3035		

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"		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

Art.	1/4" + 3/8"
4045	



ABS

380 x 212 x 55 mm



ABS

305 x 140 x 42 mm

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

HIGHTECH Professional socket wrench case

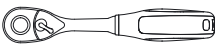
with deep impact sockets

Estuche llaves de vaso profesional universal HIGHTECH

con vasos largos de impacto

Mala HIGHTECH Professional com roquete

com chaves de impacto longas

		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
			Art. 4021	

Art.	
4027	1/2"

Socket wrench set

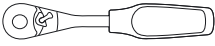
in solid metal case

Juego de llaves de vaso

en estuche sólido metálico

Jogo de chaves de caixa

em caixa metálica

		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"
			Art. 3220	

Art.	
2023	1/2"



HIGHTECH FINE POWER

42
PCS



360 x 260 x 95 mm



22
PCS

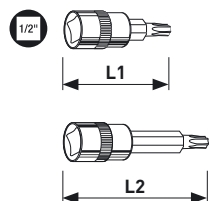


350 x 195 x 50 mm

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

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

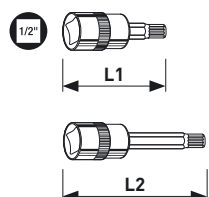


371 x 156 x 42 mm

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

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



371 x 156 x 42 mm

HIGHTECH Professional socket wrench case

with deep impact sockets

Estuche llaves de vaso profesional universal HIGHTECH

con vasos largos de impacto

Mala HIGHTECH Professional com roquete

com chaves de impacto longas

1/4"

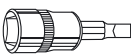
1/2"

5/16"



133 PCS

HIGHTECH FINE POWER

- 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

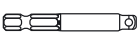
-  150 mm

-  110 mm

-   1/4"  1/4"

- 120  Art. 4001 

- 1/4"  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"



460 x 350 x 90 mm

-   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



		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

435 x 265 x 50 mm



		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

		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

		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



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"

Art. 2000



150-200 mm



12



mm

15-16-17-18-19-20-21-22-24-27-30-32 mm



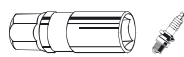
inch

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"

Art. 2020



305-445 mm



4

4.5-5-6.5-8 mm



PH 0-1-2-3



PZ 1-2-3



T10-T15-T20-T25-T27-T30-T40



T10-T15-T20-T25-T27-T30-T40



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



1/4" 1/4"



1/4" 1/4"

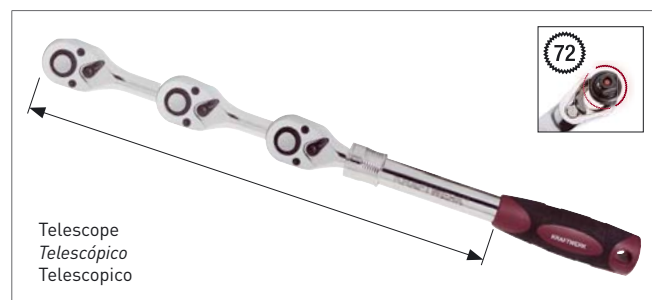


9

8-10-11-12-13-14-17-19-22 mm



435 x 350 x 69 mm



Art.	1/4"	1/2"
2034	1/4" + 1/2"	1/4"

Socket wrench set

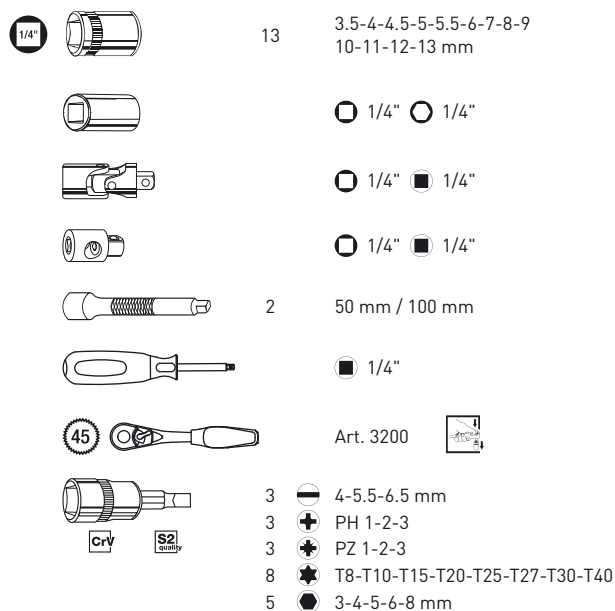
in solid metal case with hard plastic edge protection

Juego de llaves de vaso

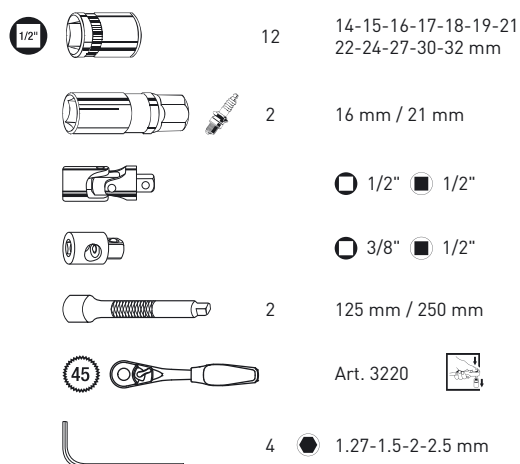
en estuche metálico con bordes de protección en plástico

Conjunto de chaves

em caixa metálica com cantos protectores em plástico endurecido



450 x 190 x 57 mm



Art.	1/4"	1/2"
2032	1/4" + 1/2"	1/4"





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 ejeção de chaves e extensões com sistema de segurança

Socket wrench case

with ratchet handle without telescope function

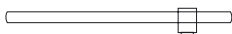
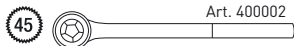
Estuche de llaves de vaso

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

Art. 400002

Art.	□
2056	3/4"



535 x 383 x 100 mm

Socket wrench case

with extensible/telescope ratchet handle

Estuche de llaves de vaso

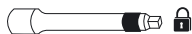
Carraca con mango telescópico/extensible

Jogo de chaves de caixa

com roquete extensível



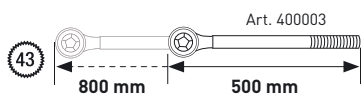
16 19-21-22-23-24-26-27-29
30-32-35-36-38-41-46-50 mm



3 100-200-400 mm



460 mm



Art.	
2057	3/4"



535 x 383 x 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



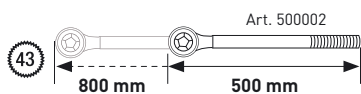
17 36-38-41-46-50-54-55-58-60
63-65-67-70-71-75-77-80 mm



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.



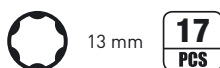
Juegos de llaves de vaso abiertas

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 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



10 ○ 10-11-12-13-14-15-16-17-18-19 mm



75 mm



20 mm x 1/4"
20 mm x 3/8"



Art. 600000



Art.	
4012	20 mm



20 mm

14
PCS



305 x 140 x 42 mm

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



9 ○ 19-20-21-22-24-27-30-32-34 mm



2 75 mm / 155 mm



30 mm x 1/2"



Art. 610000



Art.	
4022	30 mm



30 mm

13
PCS



380 x 210 x 55 mm

Impact socket wrench set

Juego de llaves de vaso de impacto

Jogo de chaves impacto



Art.

380005

Deep impact socket wrench set

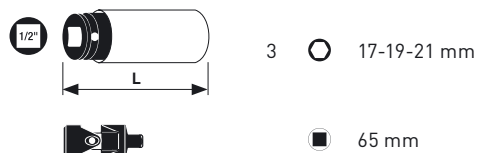
with plastic insert to protect the wheel nuts and plastic sleeve for aluminium rims

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



Art.

L
mm

3083

85

Deep impact socket wrench set

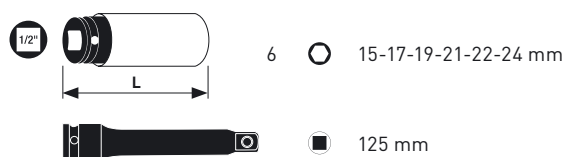
with plastic insert to protect the wheel nuts and plastic sleeve for aluminium rims

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

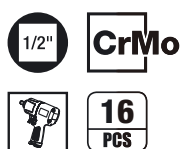


Art.

L
mm

381005

85



AUTOMOTIVE



AUTOMOTIVE



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



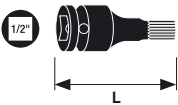
12 3-4-5-6-7-8-9-10
 12-14-16-17 mm

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



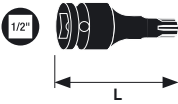
10 M4-M5-M6-M8-M9-M10
M12-M14-M16-M18

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



8 ○ 26-27-29-30-32-35-36-38 mm

Art.

400005



CrMo



8
PCS



465 x 186 x 78 mm

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



8 ○ 26-27-29-30-32-35-36-38 mm

Art.

400015



CrMo



8
PCS



465 x 186 x 78 mm

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



7 ○ 24-27-30-32-33-36-38 mm

Art.

500015



CrMo



7
PCS



465 x 186 x 78 mm

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 Professional 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" | | 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 x 90 x 32 mm

61
PCS



- | | | | |
|-------|--|-----------|--|
| 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 | |
| 72 | | Art. 3006 | |
| | | | □ 1/4" ■ 1/4" |
| 5/16" | | 2 | ● 10-12 mm |
| | | 5 | ★ T45-T50-T55-T60-T70 |
| | | 3 | ● 10-12-14 mm |
| 5/16" | | 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 |
| | | 8-9-10-11-12-13-14-15
16-17-18-19-22 mm |
| | | 1.5-2-2.5-3-4-5-6-7-8-10 mm |
| | | 200 mm (0-36 mm) |
| | | ○ M22 |

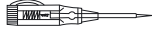
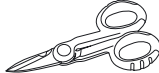
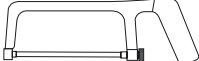
Electrician tool-set

Surtido de herramientas para electricista

Jogo de ferramentas de electricista

20
PCS

 1000 V

	 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



220 x 300 x 100 mm

Art.

3996ET

2990B

without tools / sin herramientas / sem ferramentas



Art. 2990B

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.



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



Art. 3200B



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"



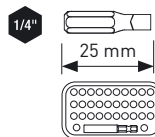
1/2" 3/8"



150 mm



Art. 3210B



4

4.5-5.5-6.5-8 mm

4

PH 0-1-2-3

4

PZ 1-2-3

7

T10-T15-T20-T25-T27-T30-T40

7

T10-T15-T20-T25-T27-T30-T40

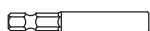
6

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

Art. 1789



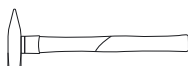
1/4" 1/4"



1/4" 1/4"



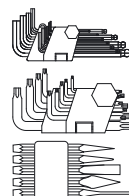
Art. 2336 360 g



Art. 2303 300 g

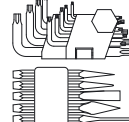


489 x 193 x 400 mm



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

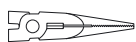
6 Art. 4321 165 mm

Art.	1/4"	3/8"	1/4" + 4 mm
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



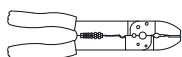
Art. 2221-250 250 mm



Art. 3289-160 160 mm



Art. 2240 150 mm



Art. 2225 240 mm



6 Art. 3312 18 mm



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



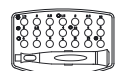
4 Art. 4125-15 T15
Art. 4125-20 T20
Art. 4125-25 T25
Art. 4125-30 T30



Art. 4128 1/4" x 100mm



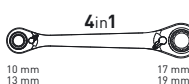
Art. 4701-0519 5 m x 19 mm



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 x 13 mm / 17 x 19 mm



Art. 2138 110-250 V



Art. 3305 300 mm



400 mm



Art. 4320-2 320 mm / No. 2



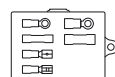
Art. 3574 250 mm / 10"



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

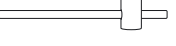
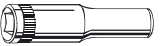
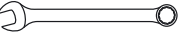
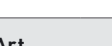
Surtido universal de llaves de vaso y herramientas

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

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
		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"		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
			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



470 x 330 x 90 mm



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

Professional tool case

Maletín con herramientas profesionales

Mala de ferramentas profissional

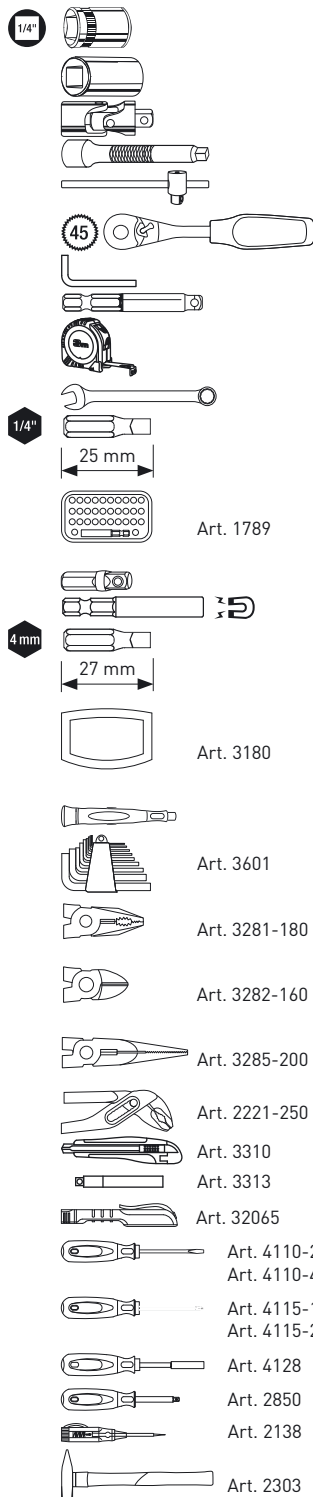
1/4"

1/4"

4 mm

CrV

123
PCS



- 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
- 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
- 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"
- 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
- 3 1.5-2-2.5 mm
- 1 ○ 4.0 x 95 mm
- 9 ● 1.5-2-2.5-3-4-5-6-8-10 mm
- 397 x 270 x 134 mm
- 180 mm
- 160 mm
- 200 mm
- 250 mm
- 9 mm
- 9 mm
- 6 LED (excl. 3x AAA)
- 2 4.0 x 100 mm
6.0 x 150 mm
- 2 PH 1 x 75 mm
PH 2 x 100 mm
- 1/4" x 100 mm
- 1/4"
- 110-250V
- 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	



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



433 x 323 x 149 mm

	7	3.5-4-4.5-5-5.5-6-7 mm
	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"
	2	75 mm / 150 mm
		3/8" 1/2"
		3/8" 1/4"
		Art. 3210B
	4	4.5-5-6.5-8 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"
	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
		250 mm / 10"
Art. 2410	3	1.5-2-2.5 mm
	10	1.5-2-2.5-3-4 5-6-7-8-10 mm
Art. 3602		180 mm
Art. 3281-180		160 mm
Art. 3282-160		200 mm
Art. 3285-200		250 mm
Art. 2221-250		150 mm
Art. 2240		300 g
Art. 2303		4 x 150 mm 12 x 130 mm 5 x 130 mm 3 x 120 mm 4 x 120 mm
Art. 3370	5	300 mm
Art. 3305		

	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	

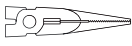
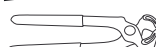
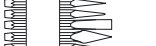
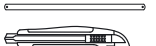
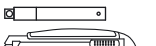
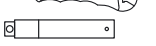
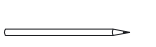


Professional aluminium tool-case
Maletín profesional en aluminio
Mala de ferramentas em alumínio

		14	 3.5-4-4.5-5-5.5-6-7 8-9-10-11-12-13-14 mm  1/4"  1/4"
			
			
		2	50 mm / 100 mm  1/4"  1/4"
			
			Art. 3200B 
		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"
			Art. 3220B 
		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"
			 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	 0.9 x 5.0 mm
		Art. 4110-4	 1.1 x 6.0 mm
		Art. 4115-1	 PH 1-2
		Art. 4115-2	 T15-T20-T25-T30
		Art. 4125-15	 1/4"  110-250V
		Art. 4125-20	
		Art. 4125-25	
		Art. 4125-30	
		Art. 4128	 1/4"  110-250V
		Art. 2138	180 mm
		Art. 3281-180	160 mm
		Art. 3282-160	

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

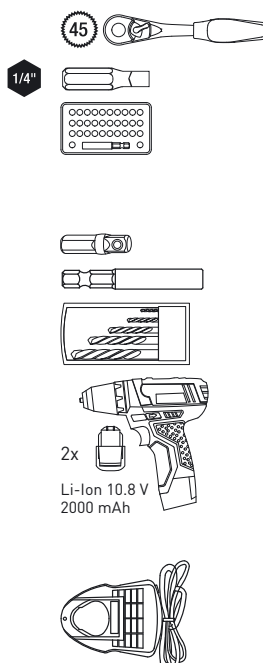
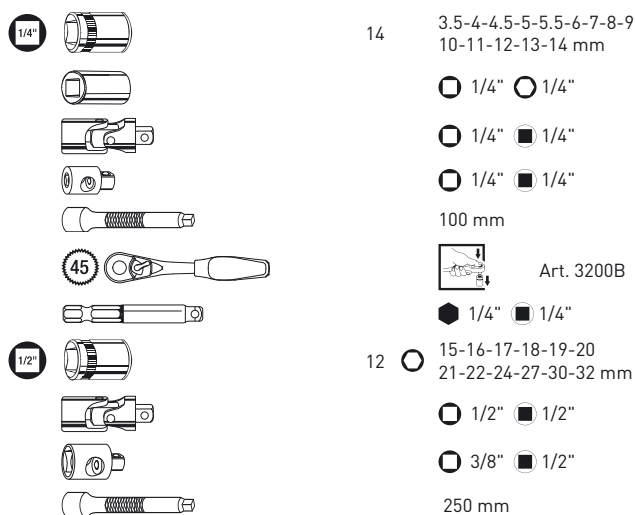
con protección de bordes. Las herramientas están encastradas en bandejas de espuma de alta densidad (EVA), con recubrimiento plástico superior resistente, bien fijadas en las bandejas con bandas elásticas.

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.



489 x 365 x 178 mm



Art. 3220B

- 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"
- 19 Ø 1-10 mm / 0.5 mm HSS-G / DIN 338 N

3 **BOSCH**
GSR 10.8-2-LI
Professional

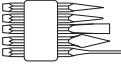
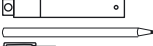
1 60-min

Art.	1/4" + 1/2"	1/4" + 4 mm
3949		
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	

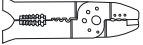
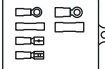


		8	8-10-11-12-13-14-17-19 mm
	Art. 3602	10	1.5-2-2.5-3-4-5-6-7-8-10 mm
	Art. 3605	9	T10-T15-T20-T25-T27 T30-T40-T45-T50
	Art. 4320-2		320 mm / No. 2
		6	165 mm
	Art. 2138		110-250V
	Art. 3196		2000 g
	Art. 32065		6 LED (excl. 3x AAA)
	Art. 4701-0519		5 m x 19 mm
		5	1.5-2-2.5-3-4 mm
		3	PH000-00-0
		2	PZ 00-0
		4	T4-T5-T6-T7
		4	T8-T9-T10-T15
		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	2	PH 1-2
	Art. 4115-2		
	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 alumínio anodizado e fecho.



HIGHTECH FINE POWER



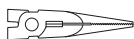
485 x 350 x 120 mm



Art. 3282-160 160 mm



Art. 3281-180 180 mm



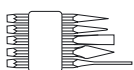
Art. 3285-200 200 mm



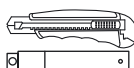
Art. 2221-250 250 mm



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



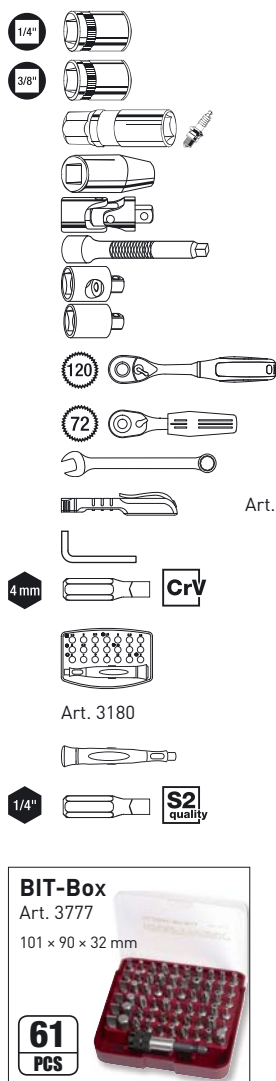
Art. 3312 18 mm



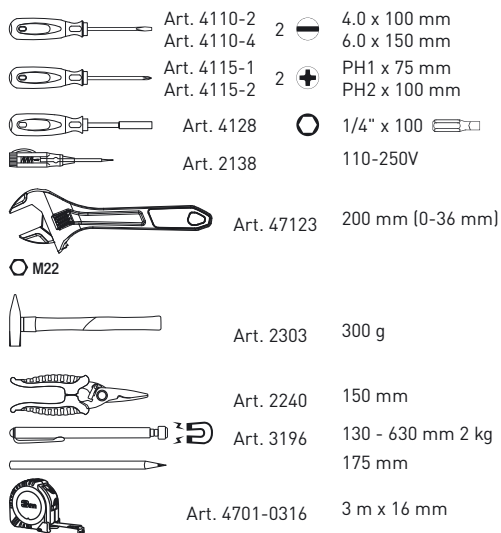
Art. 3314 10 18 mm



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	



- 7 3.5-4-4.5-5-5.5-6-7 mm
- 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"
- Art. 3210
- HIGHTECH FINE POWER**
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
- 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
- 3 1.5-2-2.5 mm
- 4.0 x 95 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-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



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 fácilmente. 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 seleccionadas para aprendizes. As dimensões da caixa adaptam-se aos armários.



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

485 x 260 x 240 mm

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



50 mm



1/4" 1/4"



Art. 3200B

14 10-13-14-15-16-17-18
19-21-22-24-27-30-32 mm



125 mm



1/2" 1/2"



Art. 3220B

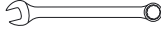
1/4" 4 4.5-5.5-6.5-8 mm
4 PH 0-1-2-3
3 PZ 1-2-3
7 T10-T15-T20-T25-T27-T30-T40
7 T10-T15-T20-T25-T27-T30-T40
6 3-4-5-6-7-8 mm



1/4" 1/4"



1/4" 1/4"

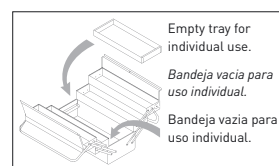


10 8-9-10-11-12-13-14-15-17-19 mm



Art. 3605

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



Empty tray for individual use.
Bandeja vacía para uso individual.
Bandeja vazia para uso individual.



Art. 3601 9 1.5-2-2.5-3-4-5-6-8-10 mm



Art. 4110-2 2 0.4 x 2.5 mm - 0.9 x 5 mm
Art. 4110-3



Art. 4115-1 2 PH 1-2
Art. 4115-2



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



Art. 4701-0316 3 m x 16 mm

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

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



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 línea, 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



Metal tool box

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

Caja metálica

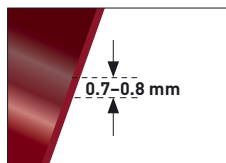
de plancha fina de acero, con 5 compartimentos
Producto de calidad europea.

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 poliéster 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 poliéster de 600 denier
- 12 bolsos externos e 8 internos para uma maior capacidade de armazenamento
- Com fecho
- Com alça almofadada e pegas

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



Trolley tool backpack

- 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 poliéster 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 poliéster de 600 denier
- Com pega telescópica revestida a borracha
- Com 3 compartimentos, bolsos laterais e compartimento para computador portátil

Art.	↕	max. Δ	L
3957	350 x 200 x 550 mm	20 kg	20



Heavy duty tool bags with steel handle

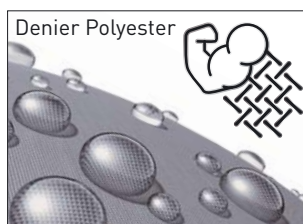
- Made of robust and impermeable 1680 denier polyester
- Solid premium steel handle with ergonomic cushion
- With specially reinforced side panels
- Cover with zipper
- Numerous inside pockets
- Solid plastic bottom made of PVC
- With cushioned sling with strap

Bolsas para herramientas con asa metálica

- Realizados en poliéster 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 poliéster de 600 denier, resistente e impermeável
- Pega sólida em aço de alta qualidade com revestimento emborrachado
- Protecção com fecho
- Diversos bolsos interiores
- Fundo de plástico sólido em PVC
- Alça almofadada



Heavy duty tool bag with steel handle

Bolsa para herramientas con asa metálica

Saco universal para ferramentas com pega de aço

Art.	↕	max. Δ	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. Δ	L
3959	440 x 260 x 370 mm	23 kg	40



Tool bags with tools
Bolsas con herramientas
Sacos com ferramentas

Art.	±	max. Δ	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



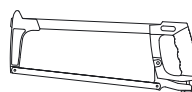
250 mm



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 individual 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

	4-4.5-5-5.5-6-7-8		E5-E6-E8-E10-E12
mm	9-10-11-12-13-14 mm	TX	E14-E16-E18
	5/32"-7/32"-1/4"-5/32"-5/16"		M5-M6-M8-M9-M10
inch	11/32"-3/8"-7/16"-15-32"-1/2"	XZN	M12-M14-M16-M18



Art.		L mm
130990	1/4"	25



Inch socket wrench set

Juego de llaves de vaso pulgadas

Jogo de chaves de caixa polegadas

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

Art.		L mm
100599	1/4"	25



Deep socket wrench set

Juego de llaves de vaso largo

Jogo de chaves de caixa longa

	12		4-4.5-5-5.5-6-7-8-9-10-11-12-13 mm
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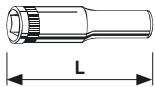
Art.		L mm
101990	1/4"	50



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



inch

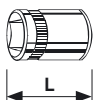
9
PCS



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



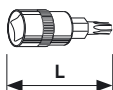
7
PCS



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



S2
quality

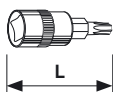
8
PCS



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



S2
quality

9
PCS

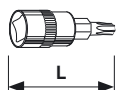


5-star taper TX bit-socket set

Juego de llaves de vaso con punta

TX seguridad de 5 puntas

Jogo de chaves de caixa com bit taper TX 5 pontas



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

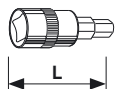
Art.		L mm
115399	1/4"	38



Hexagonal bit-socket wrench set

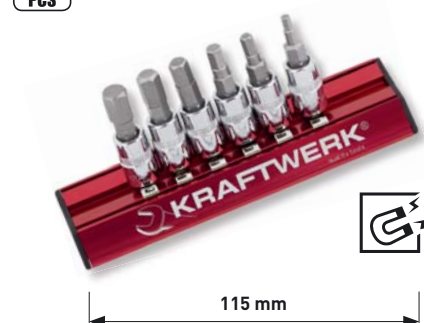
Juego de llaves de vaso con punta hexagonal

Jogo de chaves de caixa com bit sextavado



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

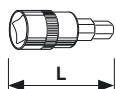
Art.		L mm
106099	1/4"	38



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"

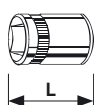
Art.		L mm
106599	1/4"	38



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"

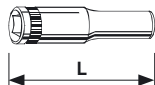
Art.		L mm
200599	3/8"	25



Deep socket wrench set

Juego de llaves de vaso largo

Jogo de chaves de caixa longa



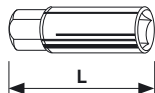
11 ○ 8-10-11-12-13-14-15-17-18-19-22 mm

Art.	○	L mm
201990	3/8"	64

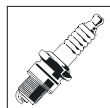
Spark plug socket wrench set

Juego de llaves de vaso para bujías

Jogo de chaves de caixa de velas



3 ○ 16-18-21 mm

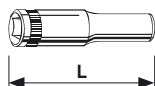


Art.	○	L mm
201998	3/8"	64-65-70

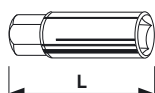
Inch deep socket wrench set

Juego de llaves de vaso largo pulgadas

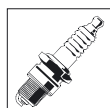
Jogo de chaves de caixa longa polegadas



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



2 ○ 5/8"-13/16"

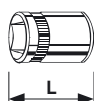


Art.	○	L mm
201599	3/8"	64

External TX socket wrench set

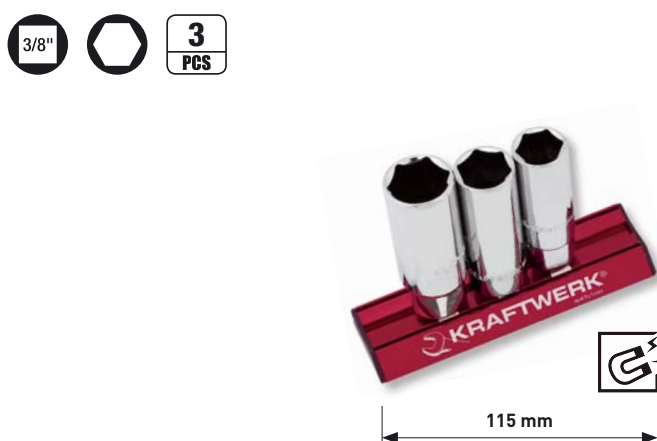
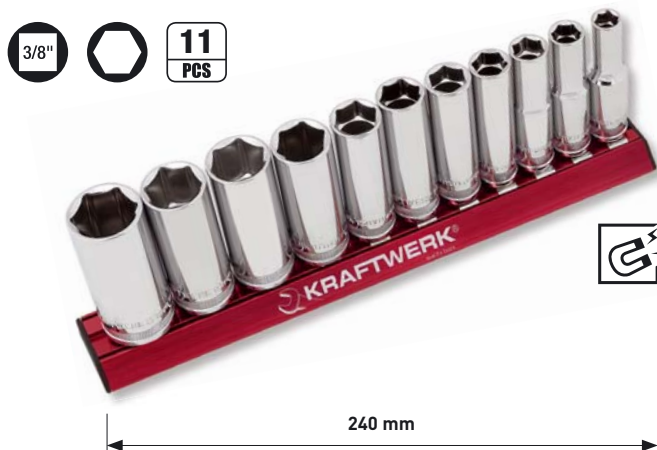
Juego de llaves de vaso TX exterior

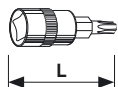
Jogo de chaves de caixa TX-exterior



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

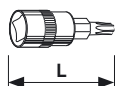
Art.	○	L mm
220099	3/8"	28



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

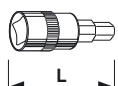
11 T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60

Art.		L mm
205099	3/8"	48

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

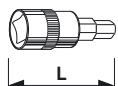
11 T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60

Art.		L mm
205399	3/8"	48

**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

**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"

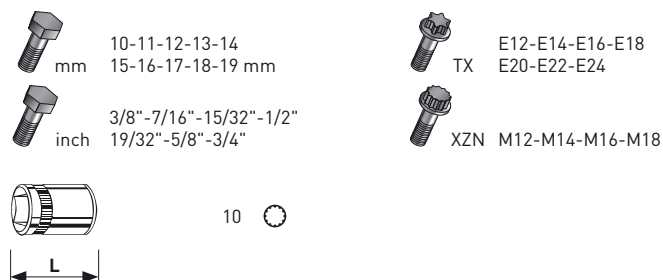
Art.		L mm
206599	3/8"	48



COMBI socket wrench set

Juego de llaves de vaso COMBI

Jogo de chaves de caixa COMBI



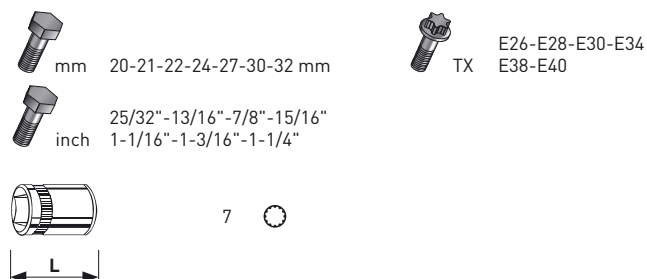
Art.	⊙	L mm
330990	1/2"	38



COMBI socket wrench set

Juego de llaves de vaso COMBI

Jogo de chaves de caixa COMBI



Art.	⊙	L mm
330991	1/2"	42



Deep socket wrench set

Juego de llaves de vaso largo

Jogo de chaves de caixa longa

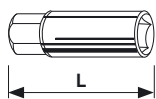


Art.	⊙	L mm
301990	1/2"	77



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

Deep impact socket wrench set

Juego de llaves de vaso largo de impacto
Jogo de chaves de caixa longa impacto

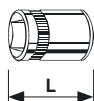


3 ○ 17-19-21 mm

Art.	○	L mm
381099	1/2"	85

External TX socket wrench set

Juego de llaves de vaso TX exterior
Jogo de chaves de caixa TX-exterior

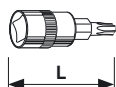


8 ☆ E10-E12-E14-E16-E18-E20-E22-E24

Art.	○	L mm
320099	1/2"	40

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

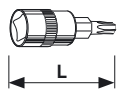
Art.	○	L mm
325099	1/2"	56



TX bit-socket wrench set

Juego de llaves de vaso con punta TX

Jogo de chaves de caixa com bit TX

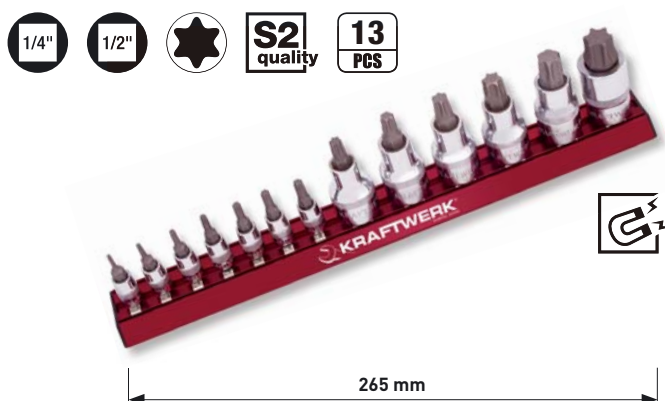


1/4" 7
1/2" 6



T8-T10-T15-T20-T25-T27-T30
T40-T45-T50-T55-T60-T70

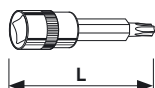
Art.	Ø	L mm
99045	1/4"	37
	1/2"	56



Long TX bit-socket wrench set

Juego de llaves de vaso largo con punta TX

Jogo de chaves de caixa com bit longas TX

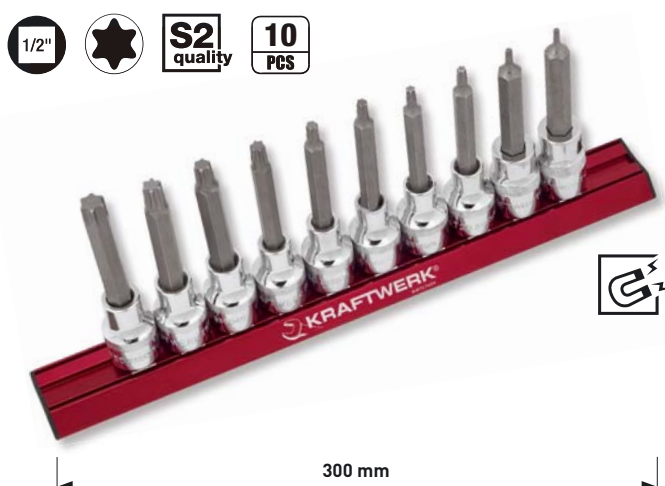


10



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

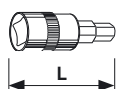
Art.	Ø	L mm
335099	1/2"	100



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

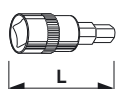
Art.	Ø	L mm
326099	1/2"	56



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

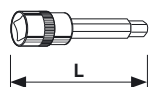
Art.	Ø	L mm
99046	1/4"	37
	1/2"	56



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

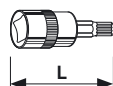
Art.		L mm
336099	1/2"	100



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

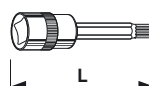
Art.		L mm
328099	1/2"	55



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

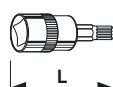
Art.		L mm
338099	1/2"	100



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

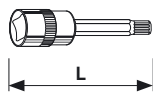
Art.		L mm
329099	1/2"	55



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

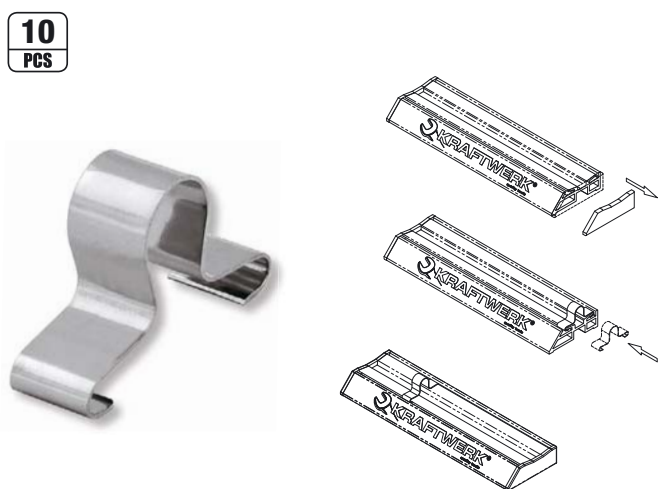
Clips para regleta magnética

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

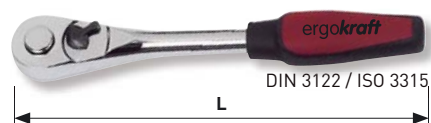


Reversible ratchet handle
Carraca reversible
Roquete manual reversível



ERGOKRAFT

Art.		L mm
3200	1/4"	145
3204	1/4"	Stubby model / Modelo corto / Modelo curto
3200E	1/4"	Repair kit / Kit reparación / Kit de reparação
3210	3/8"	205
3214	3/8"	Stubby model / Modelo corto / Modelo curto
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



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



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 dientes finos

Art.		L mm
3006	1/4"	95



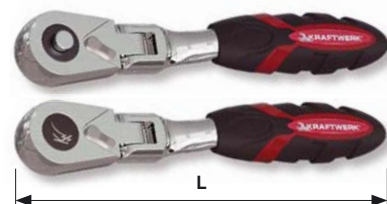
Micro ratchet handle
Micro carraca reversible
Micro roquete manual

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 reversível HIGHTECH FINE POWER

1/4"

3/8"

1/2"

120

HIGHTECH FINE POWER



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



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 manípulo 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

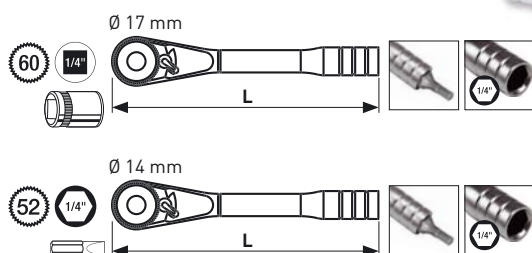
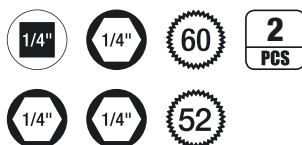
with ratchet handle for 1/4" sockets and 1/4" direct drive bits, in elegant aluminium box.

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.



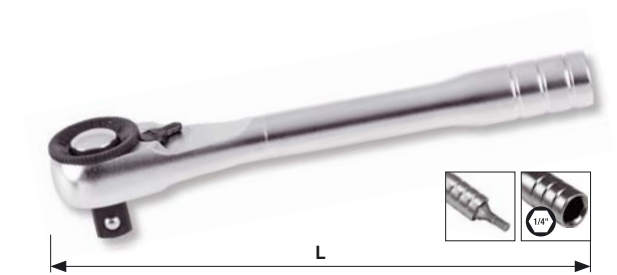
142 x 38 x 25 mm

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



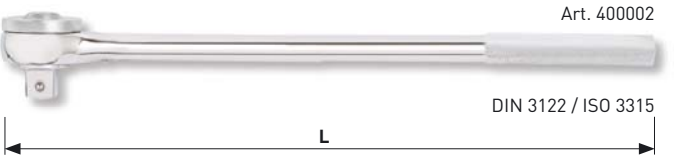
Art.	 		L mm
4004R2	1/4"	52	95



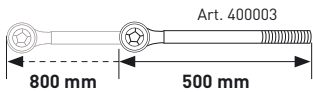
Heavy duty reversible ratchet handle
Carraca reversible para trabajo pesado
Roquete reversível para trabalhos pesados



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

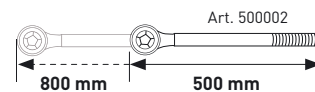


Art. 400002E



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

1" 43



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

72

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 %.

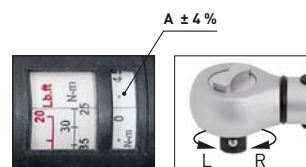
Llave dinamométrica click

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 ergonômico de 2 componentes com bloqueio ajustável. Precisão certificada: +/- 4 %.

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



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

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

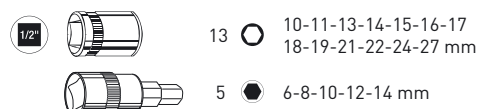
with sockets and hexagonal bit-sockets

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



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

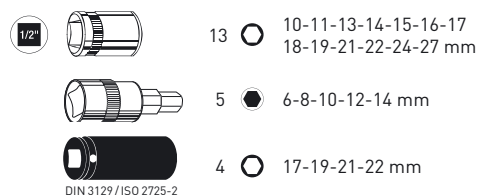
with sockets, hexagonal bit-sockets and deep impact sockets

Estuche llave dinamométrica reversible

con vasos, vasos-punta hexagonal y vasos de impacto extra largos

Jogo de chave dinamométrica reversível

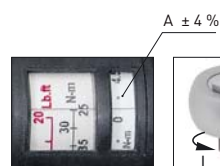
com chaves de caixa, chaves de caixa com bit sextavado interior e chaves de caixa de impacto extra-longas



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



620 x 169 x 65 mm

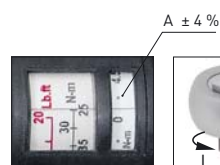


A ± 4 %

DIN 6789 / ISO 6789



620 x 169 x 65 mm



A ± 4 %

DIN 6789 / ISO 6789



Reversible torque wrench case

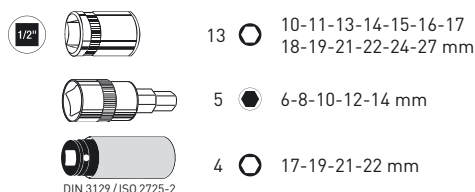
with sockets, hexagonal bit-sockets and deep impact sockets with plastic sleeves for aluminium wheels

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

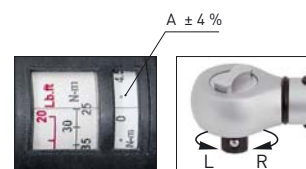


Art.		< ~ >
3235K3	1/2"	40 - 200 Nm 30 - 150 Lb.ft
3236K3	1/2"	65 - 335 Nm 50 - 250 Lb.ft



620 x 169 x 65 mm

DIN 6789 / ISO 6789



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 bimaternal con botón de ajuste.
Precisión certificada: +/- 4 %.

Barra dinamométrica

de precisão com janela de escala para valores em Nm e Lb.ft.
Encavadura 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

14x18



Art. 3235H



Art. 3236H

Torque wrench case

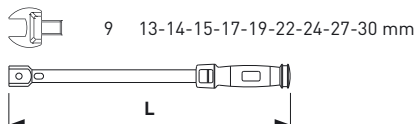
with open end heads and reversible heavy duty ratchet head

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



620 x 169 x 65 mm

DIN 6789 / ISO 6789

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



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

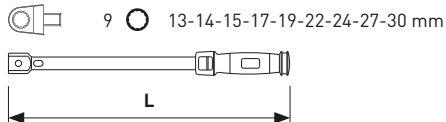
with ring end heads and reversible heavy duty ratchet head

Estuche llave dinamométrica

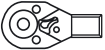
con bocas de llaves poligonales y carraca reversible industrial

Jogo de chave dinamométrica

com chaves luneta e roquete reversível industrial



DIN 6789 / ISO 6789

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



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

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

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.

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	



DIN ISO 6789



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.	1/2"	1/2"	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 positioning 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: $\pm 2\%$ 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: $\pm 2\%$
- 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 $\pm 2\%$
- 50 memórias
- Inclui baterias e certificado de teste DIN EN ISO 6789.



DIN EN ISO 6789



Art.		$\sim \pm 2\%$	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.		$\sim \pm 2\%$	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

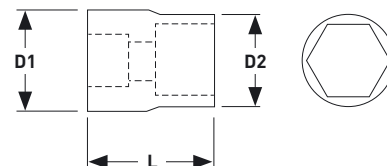
Llave de vaso

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

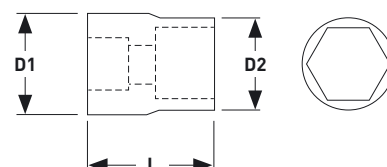
Llave de vaso pulgada

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

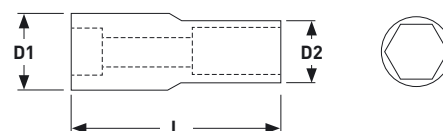
Llave de vaso largo

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



DIN 3124 / ISO 2725-1

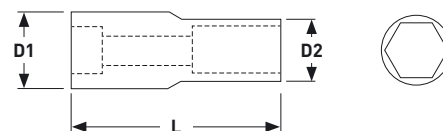


Deep inch socket

Llave de vaso largo polegada

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

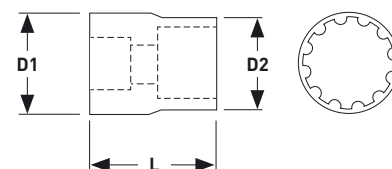
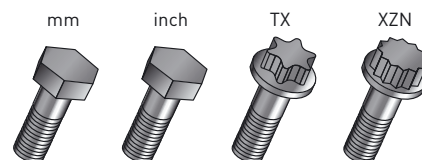


Socket COMBI

Llave de vaso COMBI

Chave de caixa COMBI

Art.	1/4"	mm	inch	E	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

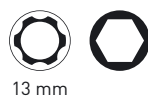
Llave de vaso pasante

Permite la entrada en un espárrago largo para el apriete/desapriete de tuercas

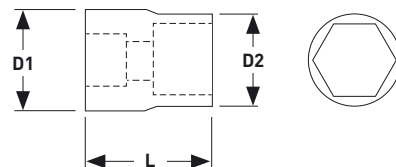
Chave de caixa de aperto

permite o aperto e o desaperto de parafusos longos e de varão roscado

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



13 mm



External TX-socket

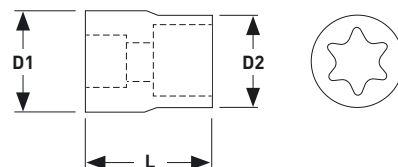
Llave de vaso TX exterior

Chave de caixa TX exterior

Art.	1/4"		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



1/4"



Slotted bit-socket

Llave de vaso punta ranurada

Chave de caixa com bit fenda

Art.	Ø	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.	Ø	+	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.	Ø	+	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.	Ø	★	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.	Ø	★	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.	Ø	★	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.	Ø	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

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

Art.			L mm
107050	1/4"	1/4"	50
107100	1/4"	1/4"	100

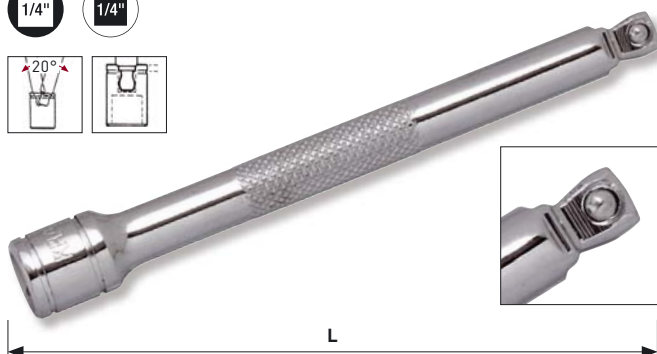
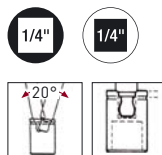


Duplex wobble extension bar

Alargadera de punta angular duplex

Extensão com ponta angular duplex

Art.			L mm
107101	1/4"	1/4"	100
107151	1/4"	1/4"	150



Locking extension bar

Alargadera bloqueio

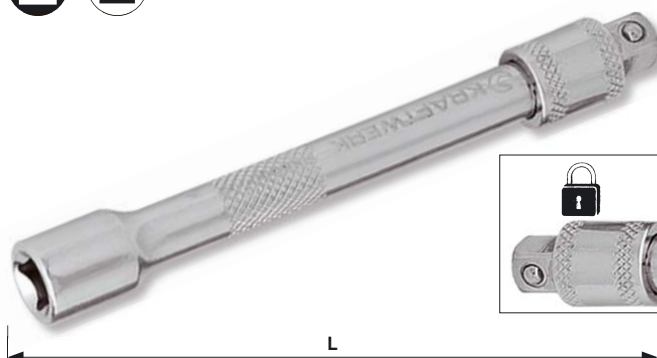
Extensão com fecho

Art.			L mm
107102	1/4"	1/4"	100



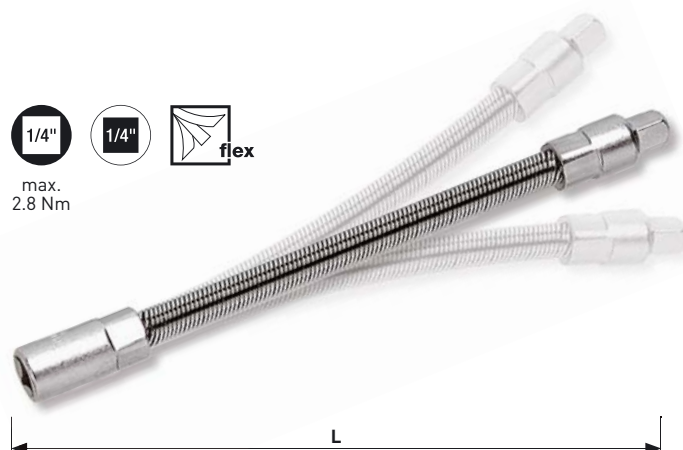
Set / Juego / Jogo

Art.123002
204



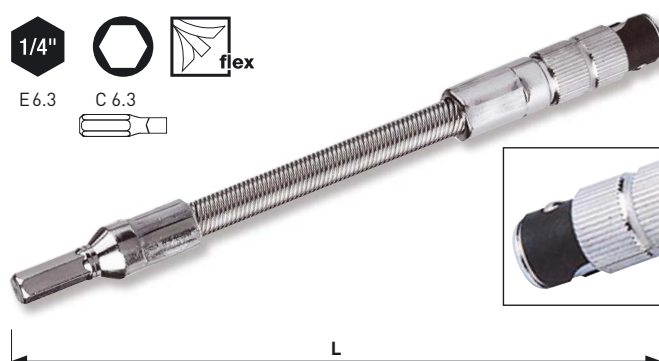
Flexible extension bar
Alargadera flexible
Extensão flexível

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

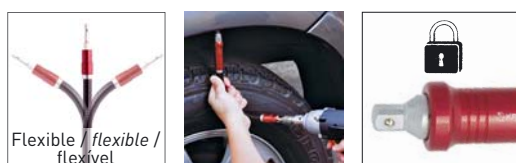
Extensão de aperto

permite o aperto e o desaperto de parafusos longos e de varão roscado

Art.			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



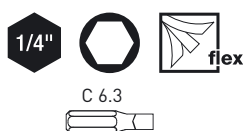
Heavy duty flexible extension bit holder

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

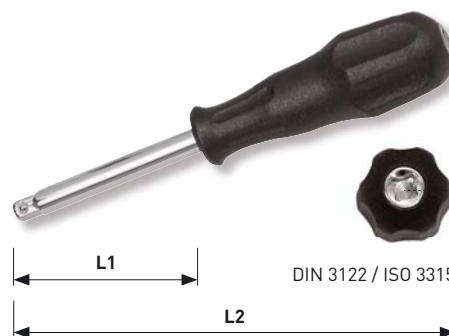
Mango atornillador

con cuadrado 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 bimataterial

con cuadrado interior 1/4" en el extremo del mango

Extensão com punho bimataterial

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



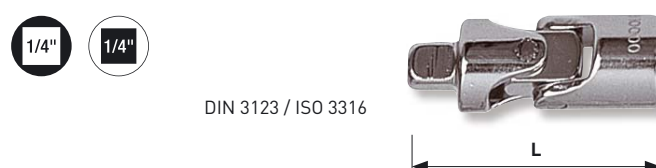
Sliding t-bar
Barra deslizante T
Cabo corredeço

Art.			L mm
108100	1/4"	1/4"	105



Universal joint
Articulación universal
Cardan

Art.			L mm
110000	1/4"	1/4"	35

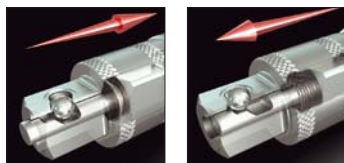


Quick locking universal joint
Articulación universal con bloqueo rápido
Cardan bloqueio com fecho rápido



Set / Juego / Jogo

Art.123102
205



Art.			L mm
123102-14	1/4"	1/4"	55



Socket-adapter

for pass through reversible ratchet handle 590000

Adaptador llaves de vaso

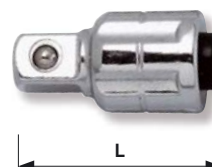
para carraca reversible pasante 590000

Adaptador chaves de caixa

para roquete manual de aperto reversível 590000



Art.	 mm		L mm
591140	13	1/4"	25



Bit-adapter

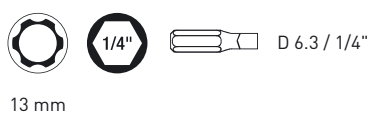
for pass through reversible ratchet handle 590000

Adaptador porta punta

para carraca reversible pasante 590000

Adaptador de bit

para roquete manual de aperto reversível 590000



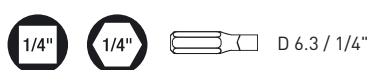
Art.	 mm		L mm
592760	13	1/4"	22



Coupler for bits

Adaptador para puntas

Adaptador para bits



Art.			L mm
2760	1/4"	1/4"	25



Socket

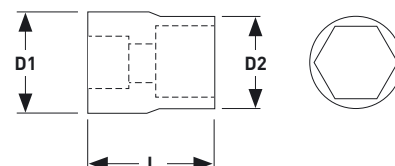
Llave de vaso

Chave de caixa

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



DIN 3124 / ISO 2725-1



goes easy on screws and tool
protege los tornillos y el herramienta
 protege parafusos e ferramentas

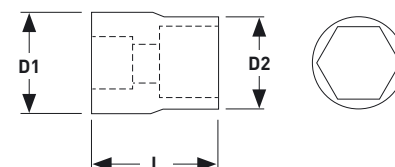


Inch socket

Llave de vaso pulgada

Chave de caixa polegada

Art.		 inch	D1 mm	D2 mm	L mm
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

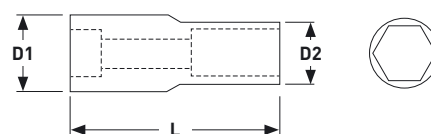
Llave de vaso largo

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

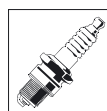


Spark plug socket

Llave de vaso bujías

Chave de caixa velas

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



AUTOMOTIVE

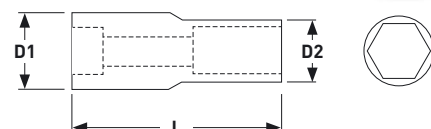


Deep inch socket

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

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

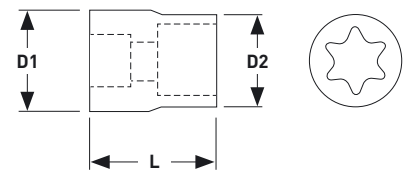
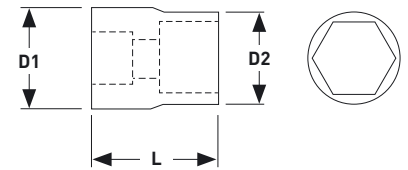
Llave de vaso TX exterior

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



AUTOMOTIVE



Slotted bit-socket

Llave de vaso punta ranurada

Chave de caixa com bit fenda

Art.	Ø	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.	Ø	+	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.	Ø	+	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.	Ø	★	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.	Ø	☆	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.	Ø	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.	Ø	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



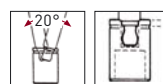
Extension bar *Alargadera* Extensão

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

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

Art.			L mm
207152	3/8"	3/8"	150
207252	3/8"	3/8"	250



Set / Juego / Jogo

Art.123002
204



Pass through extension bar

enables the fastening and unfastening jobs with long bolt and threaded rods.

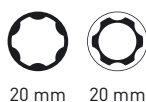
Alargadera pasante

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.			L mm
607075	20	20	75



3-way t-bar-adapter

Adaptador para barra deslizante T

Adaptador de 3 vias para rabo de força

Art.			L mm
208000	1/2"	3/8"	22

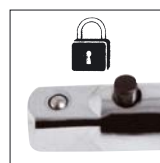


Locking t-bar

Barra T con bloqueo

Extensão em T com fecho

Art.		L mm
212650	3/8"	650

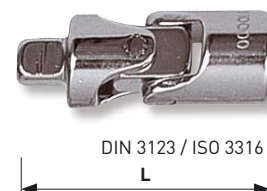


Universal joint

Articulación universal

Cardan

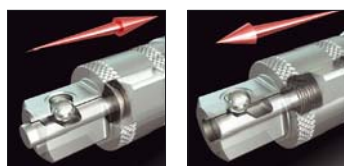
Art.			L mm
210000	3/8"	3/8"	50



Quick locking universal joint

Articulación universal con bloqueo rápido

Cardan bloqueio com fecho rápido



Art.			L mm
123102-38	3/8"	3/8"	79



Set / Juego / Jogo Art.123102
205



Socket adapter

Adaptador reductor para llaves de vaso

Adaptador reductor para chaves de caixa

Art.			L mm
213814	3/8"	1/4"	26



DIN 3123 / ISO 3316



Socket-adapter

for pass through reversible ratchet handle 600000

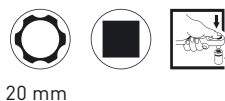
Adaptador llaves de vaso

para carraca reversible pasante 600000

Adaptador chaves de caixa

para roquete manual de aperto reversível 600000

Art.			L mm
611140	20 mm	1/4"	28
611380	20 mm	3/8"	28



20 mm



Coupler for bits

Adaptador para puntas

Adaptador para bits

Art.			L mm
2761	3/8"	1/4"	25



D 6.3 / 1/4"



Coupler for bits

Adaptador para puntas

Adaptador para bits

Art.			L mm
211516	3/8"	5/16"	29



5/16"

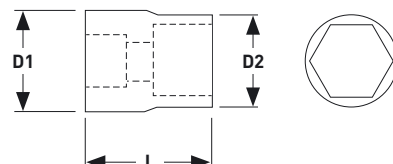


Socket
Llave de vaso
Chave de caixa

Art.	1/2"	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

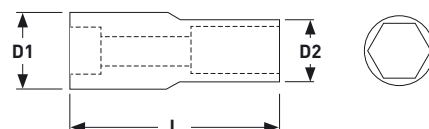


Deep socket
Llave de vaso largo
Chave de caixa longa

Art.	1/2"	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



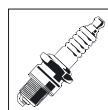
DIN 3124 / ISO 2725-1



Spark plug socket
Llave de vaso bujías
Chave de caixa velas



Art.	1/2"	mm	D mm	L mm
301160	1/2"	16	22.8	64.0
301210	1/2"	21	27.8	70.0



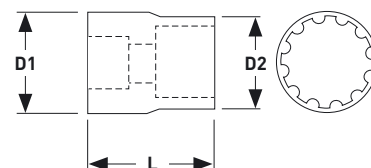
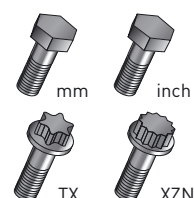
AUTOMOTIVE



Socket COMBI
Llave de vaso COMBI
Chave de caixa COMBI



Art.	1/2"	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 1/8"			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.	1/2"	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.

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



AUTOMOTIVE

DIN 3129 / ISO 2725-2



Pass through socket

enables the fastening and unfastening jobs with long bolt and threaded rods.

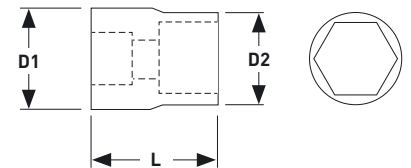
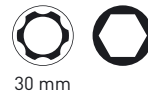
Llave de vaso pasante

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.

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

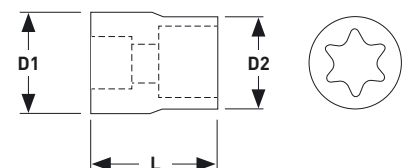


External TX-socket

Llave de vaso TX exterior

Chave de caixa TX exterior

Art.	1/2"	E	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

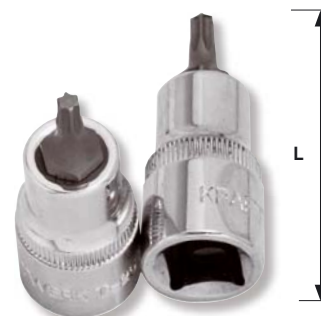


TX bit-socket

Llave de vaso punta TX

Chave de caixa com bit TX

Art.	Ø	★	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.	Ø	★	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 taper TX bit-socket

Llave de vaso largo, punta TX seguridad

Chave de caixa com bit taper TX longa

Art.	Ø	★	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.	Ø	★	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.	Ø	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.	Ø	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.	Ø	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

Art.	Ø	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

Art.	Ø	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

Art.	Ø	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 tamber RIBE



Art.	Ø	Icon	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 tamber RIBE longa



Art.	Ø	Icon	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.	1/2"	RM	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.	1/2"	1/2"	L mm
307125	1/2"	1/2"	125
307250	1/2"	1/2"	250



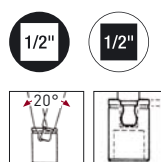
DIN 3123 / ISO 3316

Duplex wobble extension bar

Alargadera de punta angular duplex

Extensão com ponta angular duplex

Art.	1/2"	1/2"	L mm
307126	1/2"	1/2"	125
307251	1/2"	1/2"	250



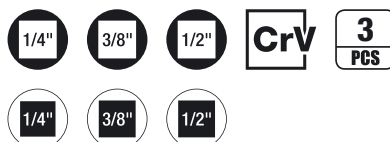
Locking extension bar
Alargadera bloqueo
Extensão com fecho

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

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.

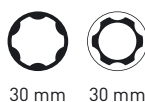
Alargadera pasante

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.

Art.			L mm
617075	30	30	75
617150	30	30	150



Impact extension bar
Alargadera impacto
Extensão de impacto

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

3/8"

1/2"



Universal joint

Articulación universal

Cardan

Art.			L mm
310000	1/2"	1/2"	75

1/2"

1/2"

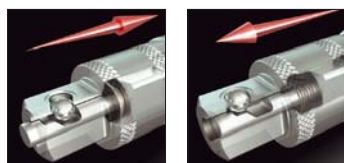
DIN 3123 / ISO 3316



Quick locking universal joint

Articulación universal con bloqueo rápido

Cardan bloqueio com fecho rápido



Art.			L mm
123102-12	1/2"	1/2"	79

1/2"

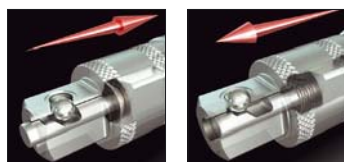
1/2"



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

1/4"

3/8"

1/2"

CrV

3
PCS

1/4"

3/8"

1/2"



Impact universal joint
Articulación universal impacto
Cardan de impacto

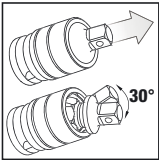
Art.			L mm
381000	1/2"	1/2"	65



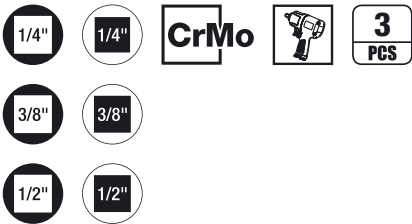
DIN 3123 / ISO 3316



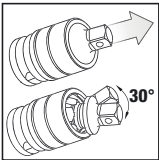
Wobble impact universal joint set
Juego de articulaciones universales impacto
Jogo de cardans de impacto



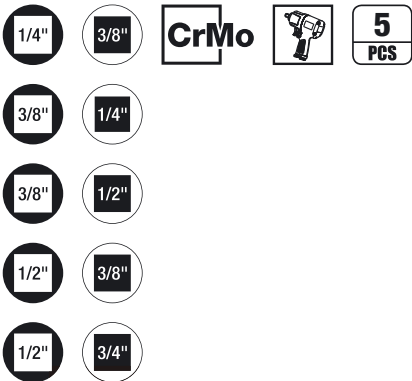
Art.			L mm
387998	1/4"	1/4"	37
	3/8"	3/8"	46
	1/2"	1/2"	62



Wobble impact adaptor set
Juego de adaptadores/reductores articulados de impacto
Jogo de adaptadores/redutores de impacto



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



DIN 3123 / ISO 3316



Socket reducer
Reductor
Redutor

Art.			L mm
311380	1/2"	3/8"	37



DIN 3123 / ISO 3316



Impact socket adapter
Adaptador impacto
Adaptador de impacto

Art.			L mm
381340	1/2"	3/4"	48



DIN 3121 / ISO 1174



Coupler for bits
Acoplador puntas
Adaptador de bits

Art.			L mm
311516	1/2"	5/16"	38



Impact coupler for bits
Acoplador impacto puntas
Adaptador de impacto para bits

Art.			L mm
381516	1/2"	5/16"	39



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

Art.			L mm
611120	1/2"	30 mm	40



Impact socket adapter

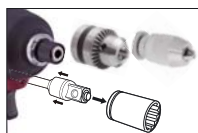
with locking function

Adaptador impacto para llaves de vaso

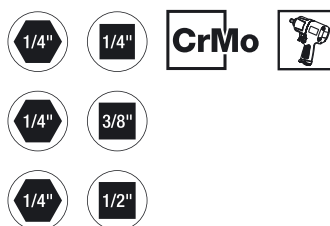
con bloqueo

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

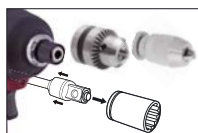
with locking function

Adaptador impacto para llaves de vaso

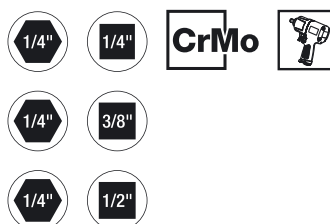
con bloqueo

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

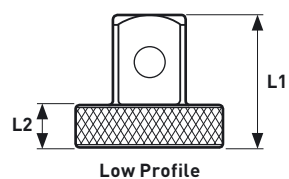
with specially slim profile

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

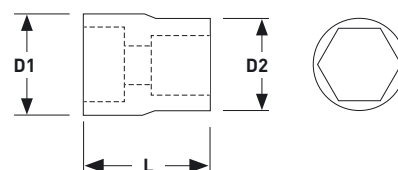
Socket

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.	Ø	Ø 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.	3/4"	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 bloqueio
Extensão com fecho

Art.			L mm
407102	3/4"	3/4"	100
407202	3/4"	3/4"	200
407402	3/4"	3/4"	400



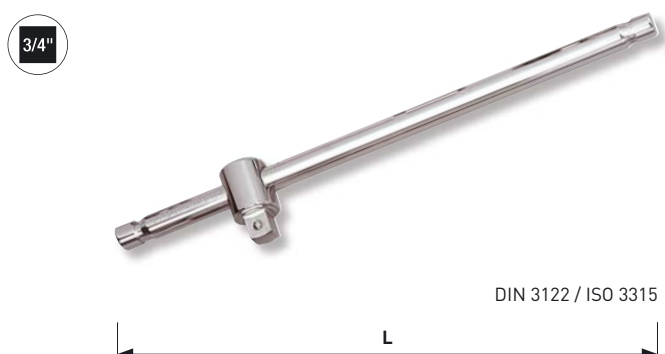
Impact extension bar
Alargadera impacto
Extensão de impacto

Art.			L mm
487100	3/4"	3/4"	100
487200	3/4"	3/4"	200



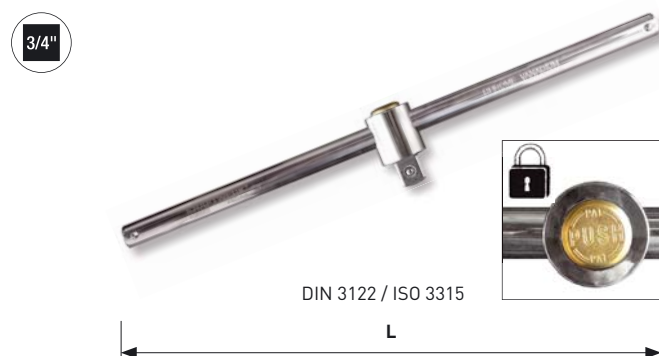
Sliding t-bar
Barra T deslizante
Cabo T correção

Art.		L mm
408000	3/4"	460



Locking sliding t-bar
Barra T deslizante bloqueo
Cabo T corredeiro com fecho

Art.		L mm
408002	3/4"	460



Impact universal joint
Articulación universal impacto
Cardan de impacto

Art.			L mm
481000	3/4"	3/4"	90



Socket adapter
Adaptador
Adaptador

Art.			L mm
411120	3/4"	1"	56



DIN 3123 / ISO 3316



Socket reducer
Reductor
Redutor

Art.			L mm
411100	3/4"	1/2"	56



DIN 3123 / ISO 3316



Impact socket adapter
Adaptador impacto
Adaptador de impacto

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

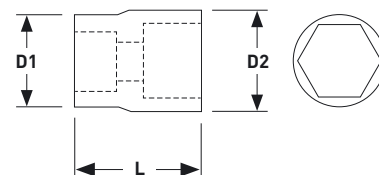


Socket
Llave de vaso
Chave de caixa



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

DIN 3124 / ISO 2725-1



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

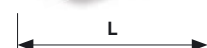
Art.			L mm
511340	1"	3/4"	70

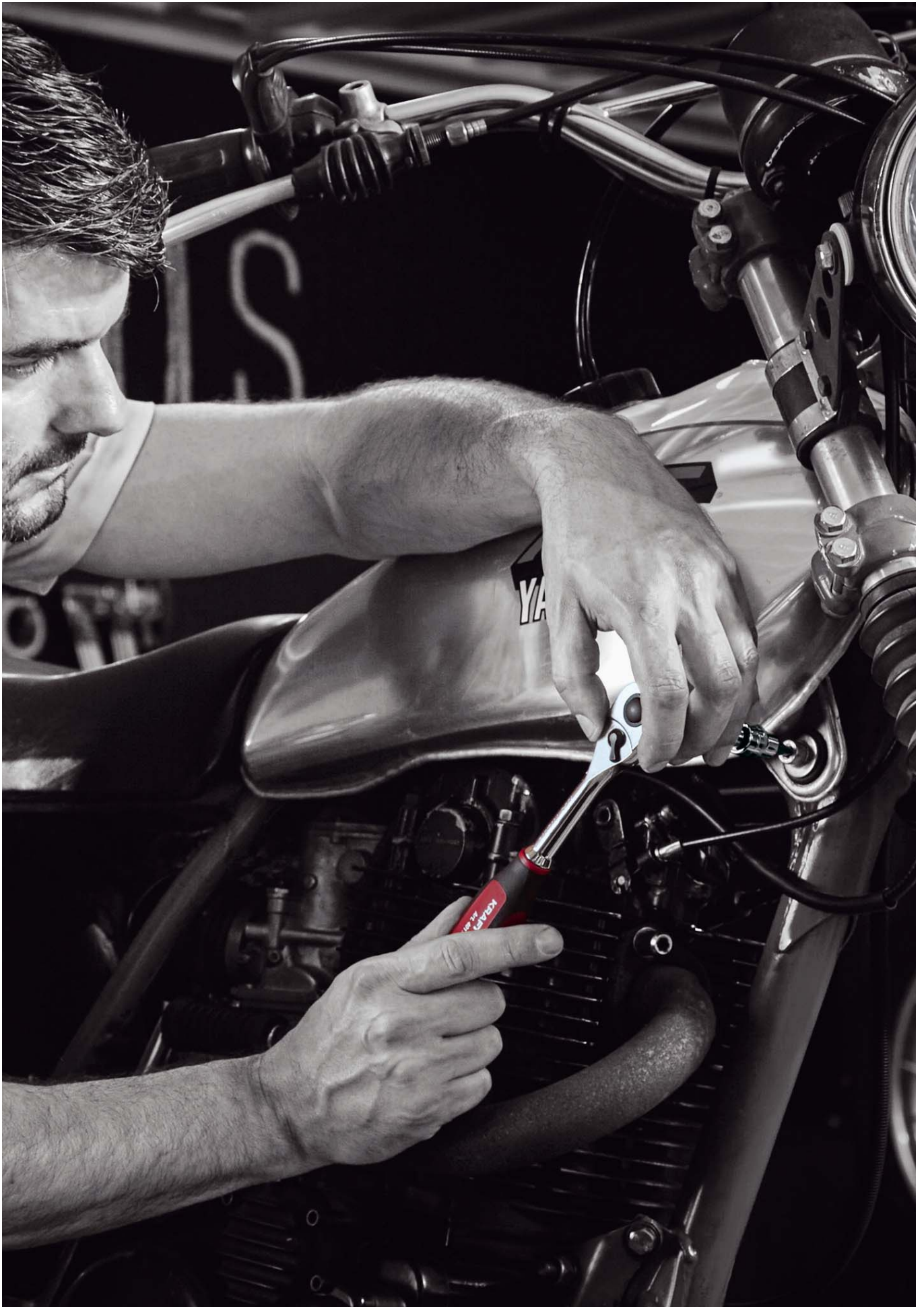
Impact socket reducer
Reductor impacto
Redutor de impacto

Art.			L mm
581034	1"	3/4"	75



DIN 3123 / ISO 3316





This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The paper itself is a clean, off-white color.