

Combination pliers

Alicate universal

Alicate universal

Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4271-165	10	4.0	2.0	165
4271-180	12	5.2	2.2	180
4271-205	13	5.9	2.5	205

Ergonomic combination pliers 45° - heavy duty

- With 45° angle head for muscle and tendon gentle working grace to the straight posture of the hand at gripping, turning and pulling.
- Higher torque by the leverage effect of the angle.

Alicate universal ergonómico 45° - para industria

- Con cabeza angular 45°, respeta los músculos y tendones gracias a la postura recta de la mano al agarrar, girar y tirar.
- Mayor fuerza por el efecto del ángulo.

Alicate universal ergonómica 45° - trabalho pesado

- Com cabeça angular de 45° para um trabalho ergonómico graças a posição direita da mão quando aperta, vira e puxa.
- Elevado torque devido ao efeito de alavanca.



Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4201-200P	13	2.5	5.9	200

Combination pliers

Alicate universal

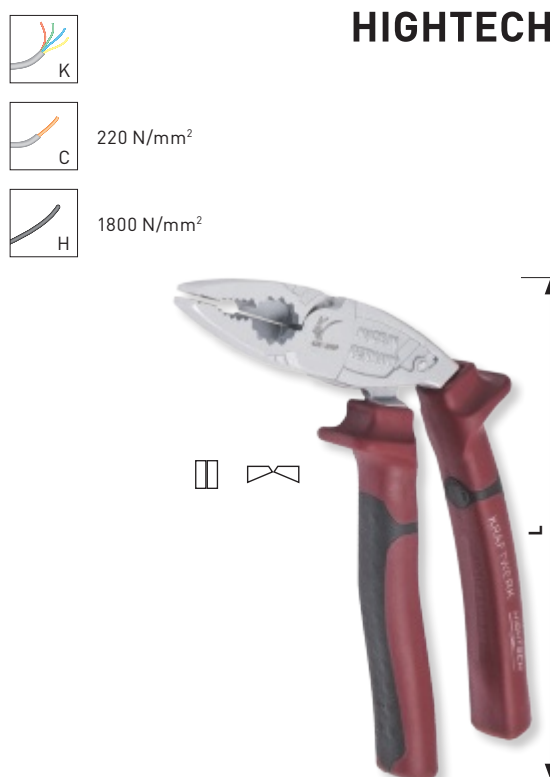
Alicate universal

Art.	L mm
3281-160	160
3281-180	180
3281-200	200

HIGHTECH 3C



HIGHTECH



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Side cutting nippers
Alicate de corte diagonal
Alicate de corte diagonal

Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4272-145	8	5	1.7	145
4272-160	11	6	2.0	160
4272-180	13	7	2.5	180



220 N/mm²

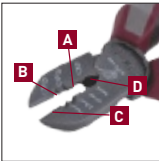


1800 N/mm²



DIN ISO 5749

Electrician side cutting nippers
Alicate de corte diagonal para electricista
Alicate de corte diagonal de electricista



A crimping
prensar
prensagem

B stripping
pelar
descaramento
1.5-2.5 mm²

C cutting
cortar
corde

D bending
doblar
dobra

Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4272-190	4	2	1	190



220 N/mm²



1800 N/mm²



Side cutting nippers
Alicate de corte diagonal
Alicate de corte diagonal

Art.	L mm
3282-140	140
3282-160	160

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DIN ISO 5749

High leverage side cutting nippers
Alicate de corte diagonal extra fuerte
Alicate de corte diagonal de alto desempenho

Art.	M Ø mm	H Ø mm	P Ø mm	L mm
4273-180	3.7	2.6	2.2	180
4273-200	4.0	2.8	2.5	200

Heavy duty lever side cutting nippers
Extremely easy cutting with little strain grace to the ideal transmission of force with double-hinged design.
Alicate de corte diagonal extra fuerte con efecto palanca
Corte extremadamente fácil con poco esfuerzo gracias a la transmisión óptima de fuerza por el diseño de doble articulación.
Alicate de corte diagonal de alto desempenho
Corte extremamente fácil com pouco esforço devido a transmissão ideal de força com o design de articulação dupla.

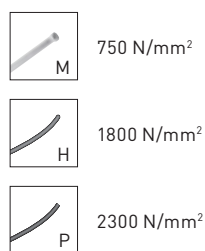


Art.	M Ø mm	H Ø mm	P Ø mm	L mm
4274-200	4.5	3.5	3.0	200

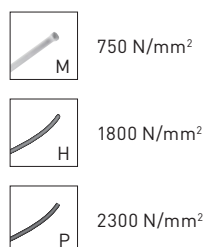
High leverage side cutting nippers
Alicate de corte diagonal extra fuerte
Alicate de corte lateral

Art.	L mm
3283-180	180

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40% power saving
40% de ahorro de fuerza
40% de economia de força



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Heavy duty lever end cutting nippers

Extremely easy cutting with little strain grace to the ideal transmission of force with double-hinged design.

Alicate de corte frontal extra fuerte con efecto palanca

Corte extremadamente fácil con poco esfuerzo gracias a la transmisión óptima de fuerza por el diseño de doble articulación.

Alicate de corte frontal de alto desempenho

Corte extremamente fácil com pouco esforço devido a transmissão ideal de força com o design de articulação dupla.



Art.	C Ø mm	M Ø mm	H Ø mm	L mm
4214-200	4.5	4.0	3.5	200

End cutting nippers

Alicate de corte frontal

Alicate de corte frontal

Art.	L mm
3284-160	160



750 N/mm²



1800 N/mm²



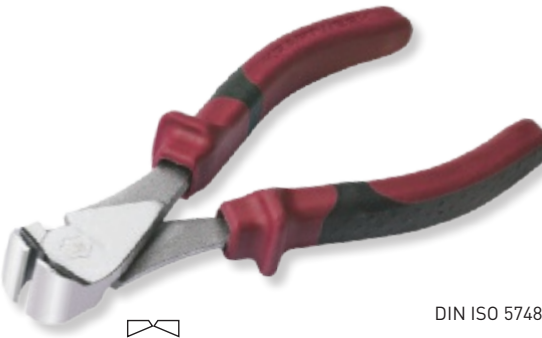
2300 N/mm²



150% POWER



HIGHTECH



DIN ISO 5748

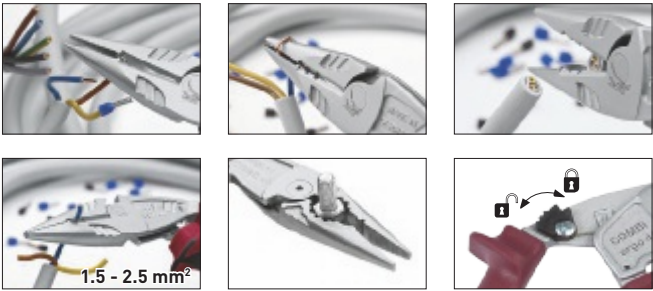
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Long nose pliers
Alicate de manipulación
Alicate de ponta semi-redonda

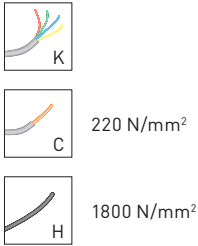
Art.	C Ø mm	H Ø mm	L mm
4275-170	2.5	1.6	170
4275-205	3.9	2.2	205



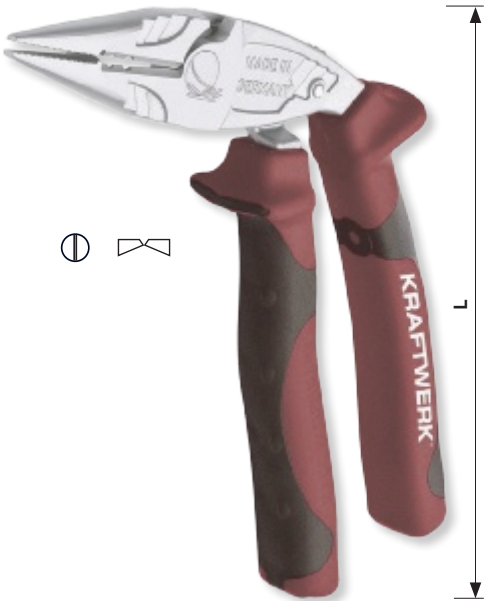
- Multifunction long nose pliers 45°**
- With 45° angle head for muscle and tendon gentle working grace to the straight posture of the hand at gripping, turning and pulling.
 - Higher torque by the leverage effect of the angle.
- Alicate de manipulación multifuncional 45°**
- Con cabeza angular 45°, respeta los músculos y tendones gracias a la postura recta de la mano al agarrar, girar y tirar.
 - Mayor fuerza por el efecto del ángulo.
- Alicate de ponta semi-redonda multi-função 45°**
- Com cabeça angular de 45° para um trabalho ergonómico graças a posição direita da mão quando aperta, vira e puxa.
 - Elevado torque devido ao efeito de alavanca.



Art.	K mm ²	K Ø mm	C Ø mm	H Ø mm	L mm
4205-200P	1.5-2.5	13	5.9	2.5	200



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Long nose pliers
Alicate de manipulación
Alicate de ponta semi-redonda

Art.	L mm
3285-160	160
3285-200	200



Long nose pliers, angled 45°
Alicate de manipulación, angular 45°
Alicate de ponta semi-redonda, angular 45°



Art.	C Ø mm	H Ø mm	L mm
4276-205	3.9	2.2	205



Long nose pliers, angled 45°
Alicate de manipulación, angular 45°
Alicate de ponta semi-redonda, angular 45°



Art.	L mm
3286-200	200



Special double X pliers set

with 2 extra long nose pliers, straight and 45°.
Double-X-system for an optimal power transmission.

Juego alicates especiales doble X

con 2 alicates de manipulación extra largos, recto y 45°.
Sistema doble-X- para una óptima transmisión de fuerza.

Conjunto de alicates especiais duplo X

com 2 alicates de pontas extra longas, direitas e a 45°.
Sistema Duplo-X para uma excelente transmissão de força.



Art.	L mm
30001	330



Flat nose pliers

Alicate con bocas planas

Alicate de pontas planas

Art.	L mm
4277-160	160

HIGHTECH 3C



Flat nose pliers

Alicate con bocas planas

Alicate de pontas planas

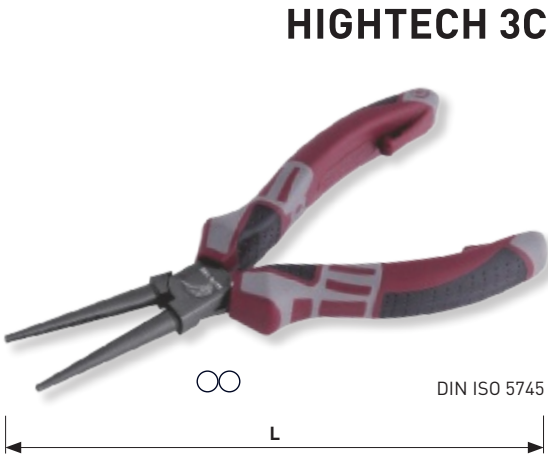
Art.	L mm
3287-160	160

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Round nose pliers
Alicate con bocas redondas
Alicate de pontas redondas

Art.	L mm
4278-160	160



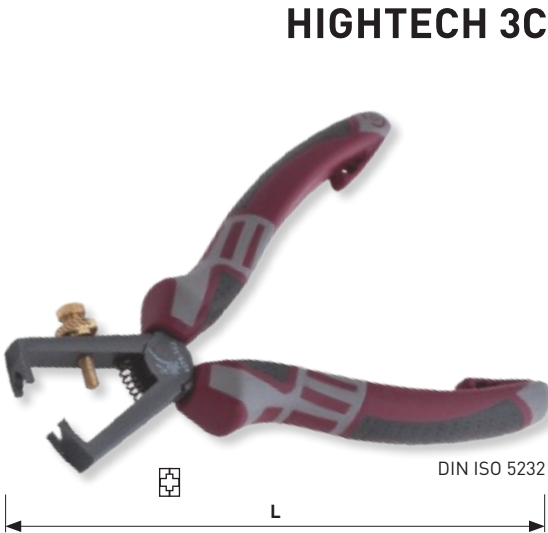
Round nose pliers
Alicate con bocas redondas
Alicate de pontas redondas

Art.	L mm
3288-160	160



Wire stripping pliers
Alicate pelacables
Alicate descarnador de fio

Art.	K mm ²	K Ø mm	L mm
4279-160	0.5 - 10	5	160



Multifunction wire stripping pliers
Alicate pelacables multifuncional
Alicate descarnador de fio multifunções



Art.	K mm ²	K Ø mm	C Ø mm	H Ø mm	L mm
4279-180	5 - 16	11	6	2	180



220 N/mm²



1800 N/mm²

HIGHTECH 3C

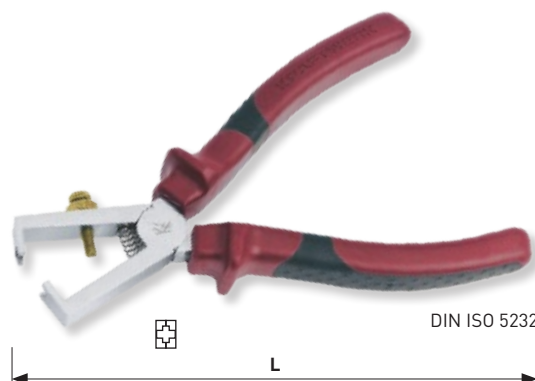


DIN ISO 5745

Wire stripping pliers
Alicate pelacables
Alicate descarnador de fio

Art.	K mm ²	K Ø	L mm
3289-160	0.5 - 10	5	160

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DIN ISO 5232

Pliers set
Juego de alicates
Jogo de alicates



DIN ISO 5746

180 mm

Art. 3281-180



DIN ISO 5749

160 mm

Art. 3282-160



DIN ISO 5745

200 mm

Art. 3285-200



DIN ISO 8976

250 mm

Art. 2221-250

Art.
3292

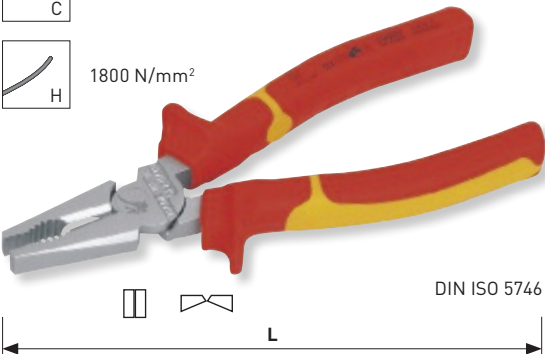
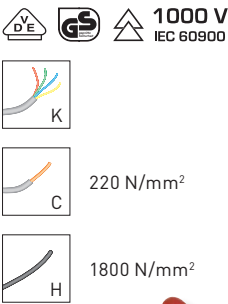
4
PCS

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Isolated combination pliers 1000 V
Alicate universal aislado 1000 V
Alicate universal isolado 1000 V

Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4211-180	12	5.2	2.2	180



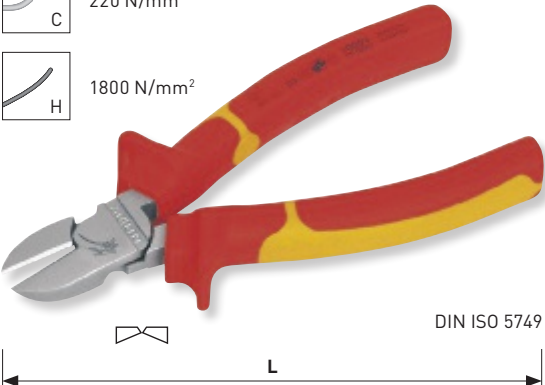
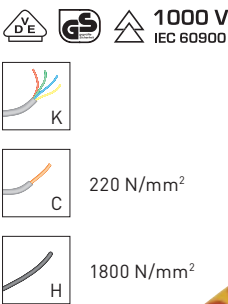
Isolated combination pliers 1000 V
Alicate universal aislado 1000 V
Alicate universal isolado 1000 V

Art.	L mm
3281-180V	180



Isolated side cutting nippers 1000 V
Alicate de corte diagonal aislado 1000 V
Alicate de corte diagonal isolado 1000 V

Art.	K Ø mm	C Ø mm	H Ø mm	L mm
4212-160	11	6.0	2.0	160
4212-180	13	7.0	2.5	180



Isolated side cutting nippers 1000 V
Alicate de corte diagonal aislado 1000 V
Alicate de corte diagonal isolado 1000 V

Art.	L mm
3282-160V	160



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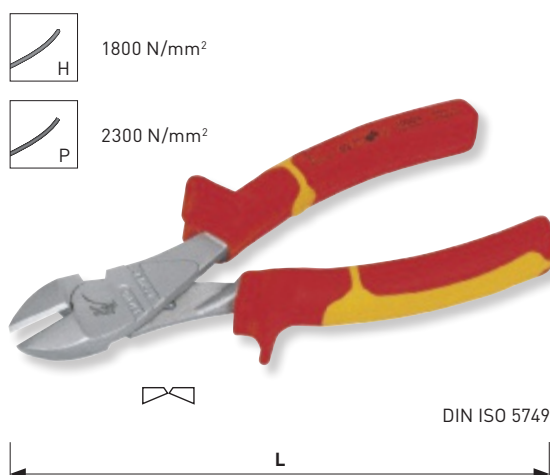
DIN ISO 5749

Isolated high leverage side cutting nippers 1000 V
Alicate de corte diagonal extra fuerte aislado 1000 V
Alicate de corte diagonal de alta multiplicação isolado 1000 V

Art.	H Ø mm	P Ø mm	L mm
4213-180	2.6	2.2	180
4213-200	2.8	2.5	200



HIGHTECH



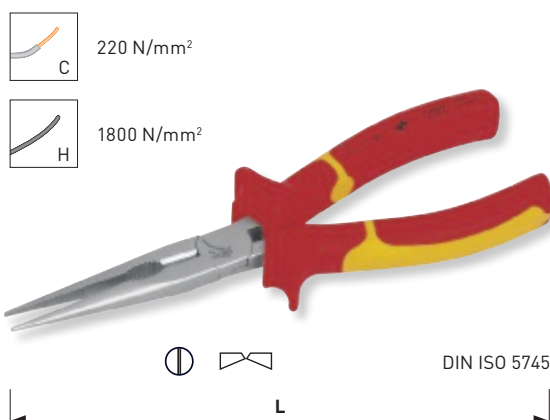
DIN ISO 5749

Isolated long nose pliers 1000 V
Alicate de manipulación aislado 1000 V
Alicate de ponta semi-redonda isolado 1000 V

Art.	C Ø mm	H Ø mm	L mm
4215-205	3.9	2.2	205



HIGHTECH



DIN ISO 5745

Isolated long nose pliers 1000 V
Alicate de manipulación aislado 1000 V
Alicate de ponta semi-redonda isolado 1000 V

Art.	L mm
3285-200V	200



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Isolated long nose pliers, angled 45° 1000 V
Alicate de manipulación, angular 45°, aislado 1000 V
Alicate de ponta semi-redonda, angular 45°, isolado 1000 V



Art.	C Ø mm	H Ø mm	L mm
4216-205	3.9	2.2	205



HIGHTECH



220 N/mm²



1800 N/mm²

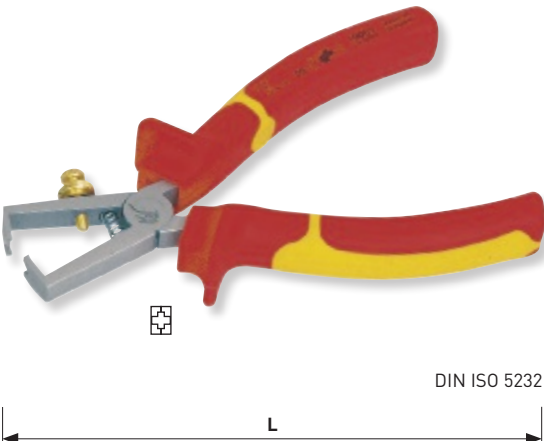


Isolated wire stripping pliers 1000 V
Alicate pelacables aislado 1000 V
Alicate descarnador de fio isolado 1000 V

Art.	K mm²	K Ø mm	L mm
4219-160	0.5 - 10	5	160



HIGHTECH

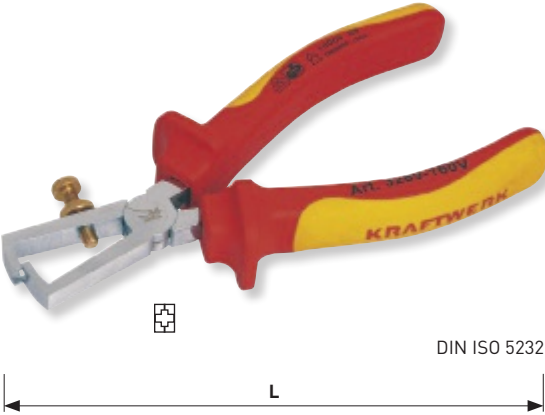


Isolated wire stripping pliers 1000 V
Alicate pelacables aislado 1000 V
Alicate descarnador de fio isolado 1000 V

Art.	K mm ²	K Ø mm	L mm
3289-160V	0.5 - 10	5	160



ERGOKRAFT



DIN ISO 5232

Isolated cable-cutter 1000 V
Alicate cortacables aislado 1000 V
Alicate corta-cabo isolado 1000 V

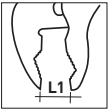
Art.	K mm ² Al + Cu	K Ø Al + Cu	L Ø mm
4210-160	50	16	160
4210-210	70	25	210



HIGHTECH



Isolated water pump pliers 1000 V
Tenaza para bomba de agua aislada 1000 V
Alicate bomba de água isolado 1000 V



Art.	L1 mm	L2 mm
4220-250	50	250



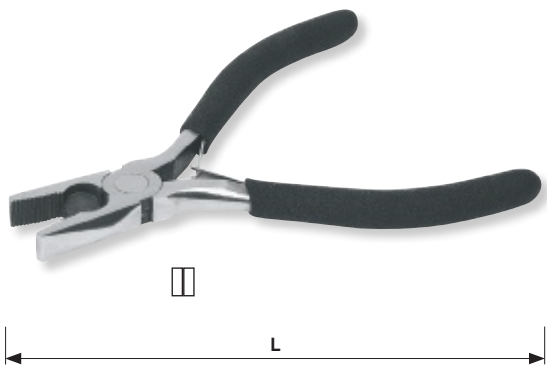
HIGHTECH



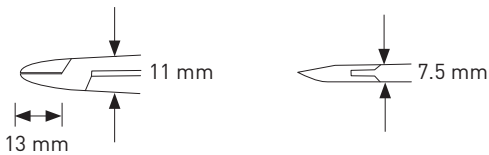
DIN ISO 8976

Electronic linesman pliers
Alicate universal electrónica
Alicate universal electrónico

Art.	L mm
2236	110



Electronic side cutting nippers
Alicate electrónica de corte diagonal
Alicate electrónico de corte diagonal



Art.	C Ø mm	H Ø mm	P Ø mm	L mm
4235-115	1.2	0.6	0.4	115



220 N/mm²



1800 N/mm²



2300 N/mm²

HIGHTECH



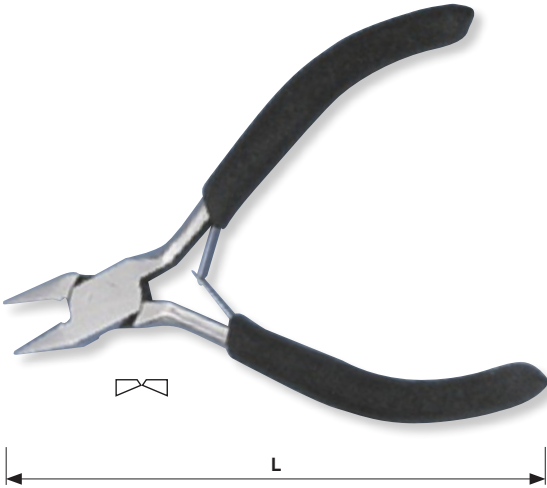
Electronic round head side cutting nippers
Alicate electrónica de corte diagonal, rasante
Alicate electrónico de corte diagonal, cabeça redonda

Art.	L mm
2234	110



Electronic triangle head sice cutting nippers
Alicate electrónica de corte diagonal, semirasante
 Alicate eletrônico de corte diagonal, cabeça triângulo

Art.	L mm
2235	105

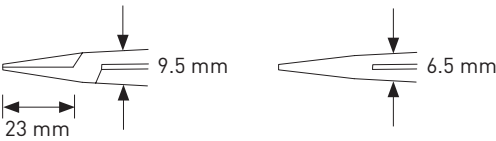


Electronic end cutting nippers
Alicate electrónica de corte frontal
 Alicate eletrônico de corte lateral

Art.	L mm
2237	100



Electronic plain long nose pliers
Alicate electrónica de manipulación, bocas lisas
 Alicate eletrônico de pontas semi-redondas suaves

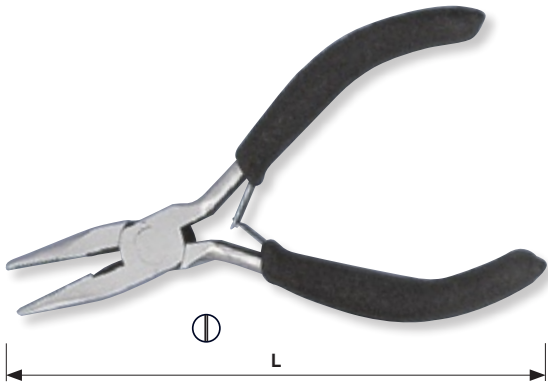


Art.	L mm
4233-115	115



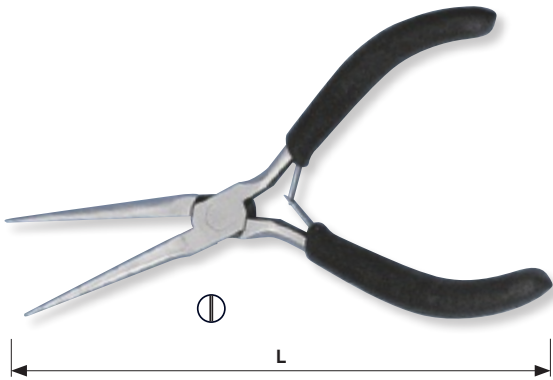
Electronic long nose pliers
*Alicate electrónica de manipulación,
bocas largas*
Alicate electrónico de puntas semi-redondas

Art.	L mm
2231	120

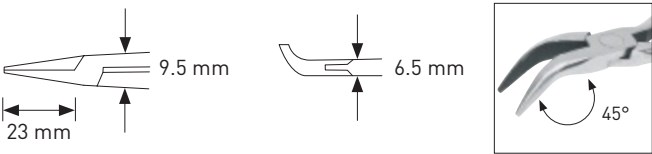


Electronic extra long nose pliers
*Alicate electrónica de manipulación,
bocas extra-largas*
**Alicate electrónico de puntas semi-redondas
longas**

Art.	L mm
2232	150



Electronic plain long nose pliers, angled 45°
*Alicate electrónica de manipulación,
angular 45°, bocas lisas*
**Alicate electrónico de puntas semi-redondas
suaves, angular 45°**



Art.	L mm
4234-115	115



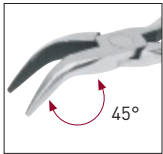
HIGHTECH



Electronic long nose pliers, angled 45°

*Alicate electrónica de manipulación,
angular 45°*

Alicate electrónico de pontas semi-redondas,
angular 45°



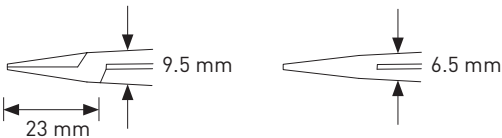
Art.	L mm
2238	115



Electronic plain flat nose pliers

Alicate electrónica con bocas planas lisas

Alicate electrónico de pontas planas suaves



Art.	L mm
4231-115	115



HIGHTECH

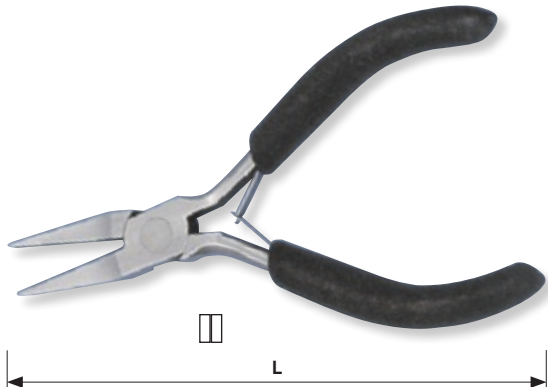


Electronic flat nose pliers

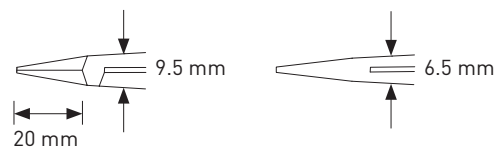
Alicate electrónica con bocas planas

Alicate electrónico de pontas planas

Art.	L mm
2233	120



Electronic round nose pliers
Alicate electrónica con bocas redondas
Alicate electrónico de pontas redondas



Art.	L mm
4232-115	115



HIGHTECH



Carpenter's pincers
Tenaza para carpintero
Turquês de carpinteiro

Art.	L mm
4242-180	180
4242-210	210
4242-250	250

HIGHTECH



Carpenter's pincers
Tenaza para carpintero
Turquês de carpinteiro

Art.	L mm
2216-180	180
2216-200	200

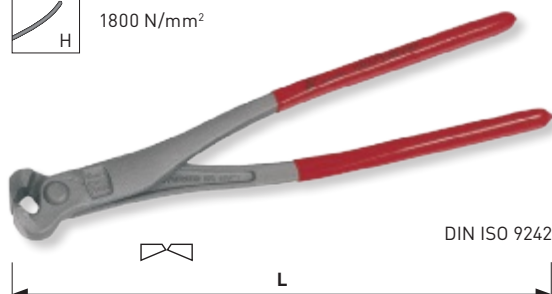
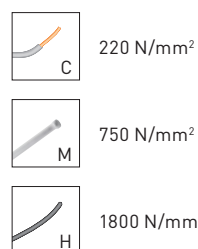


High leverage tower pincers
Tenaza de encofrador extra fuerte
Turquês de carpinteiro de alto desempenho

Art.	C Ø mm	M Ø mm	H Ø mm	L mm
4241-230	4.2	3.4	2.4	230
4241-260	4.2	3.8	2.6	260
4241-300	4.2	4.0	2.8	300

+ 45% POWER

HIGHTECH



Tower pincers
Tenaza rusa
Alicate turquesa

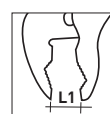
Art.	L mm
2217-250	250
2217-280	280



Water pump pliers
with inverted security box joint
Tenaza para bombas de agua
con articulación machihembrada de seguridad

Alicate tipo bomba de água
com articulação de encaixe de passagem de segurança

Art.	L1 mm	L2 mm
4223-180	40	180
4223-240	50	240
4223-300	65	300
4223-400	100	400



HIGHTECH



Water pump pliers

with inverted security box joint and direct adjusting push-button

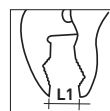
Tenaza para bombas de agua

con articulación machihembrada de seguridad y botón de presión para ajuste directo

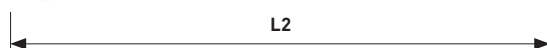
Alicate tipo bomba de água

com articulação de encaixe de passagem de segurança e botão de pressão de ajuste

Art.	L1 mm	L2 mm
4222-180	35	180
4222-250	50	250
4222-300	65	300



DIN ISO 8976



4Grip Water pump pliers

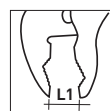
with inverted security box joint, direct adjusting push-button and automatic jaw adjustment = press the button, open the pliers, release the button and push the bottom jaw precisely to the workpiece! Dual serrated jaws for all kind of workpieces and nail-/wireholder. Safety protection for the fingers in every position. Compact, slim and robust.

Tenazas para bombas de agua 4Grip

con articulación de encaje y bisagra de seguridad, botón de ajuste de presión y ajuste automático de la mandíbula = presione el botón, abra la pinza y posicione la boca superior en la pieza. Bocas con doble dentado para todo tipo de piezas, clavos o alambres. Protección de seguridad para dedos en cualquier posición. Compacto, fino y robusto.

Alicate tipo bomba de água 4Grip

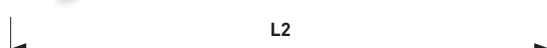
com articulação de encaixe de passagem de segurança, botão de pressão de ajuste e ajuste automático do maxilar = pressione o botão, abra o grampo e coloque na peça. Maxilares com duplo mordentes em forma de diamante para todas as peças, pregos e arame. Proteção de aperto em cada posição. Compacto, fino e robusto.



DIN ISO + 40%



DIN ISO 8976



Art.	L1 mm	L2 mm
4224-250	50	250
4224-320	75	320
4224-400	100	400
4224	Set / Juego / Jogo 4224-250 + 4224-320	250 + 320



40% > DIN ISO



drag & drop

HIGHTECH

4GRIP

HIGHTECH

2
PCS



Water pump pliers

with box joint and soft-grip handles

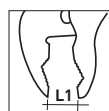
Tenaza para bombas de agua

con articulación machihembrada y mango soft-grip

Alicate tipo bomba de água

com articulação de encaixe de passagem e cabos soft-grip

Art.	L1 mm	L2 mm
3290-175	25	180
3290-250	32	250
3290-300	42	300
99067	Set / Juego / Jogo	180 + 250 + 300



ERGOKRAFT



3
PCS

Automatic water pump pliers

with practical automatic adjustment for one-hand operation, optimal for narrow spaces. Isolated soft-grip handles.

Pinzas automáticas Quick-Grip

regulables con una sola mano, óptimo para espacios estrechos. Mango aislado.

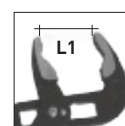
Alicates bomba água Quick-Grip

Regulável com uma mão apenas. Ótimo para espaços apertados. Pegas isoladas.

Art.	L1 mm	L2 mm	L2 inch
3266-180	32	180	7"
3266-250	40	250	10"
3266-300	50	300	12"
3266SET	32+40+50	180+250+300	7"+10"+12"



3
PCS



Pliers wrench

with inverted security box joint, direct adjusting push-button and swivelling, parallel gripping jaws.

Tenaza llave

con articulación de encaje y bisagra de seguridad, botón de ajuste de presión y ajuste automático de la mandíbula.

Alicate extensível tipo bomba de água

com articulação de encaixe de passagem de segurança, botão de pressão de ajuste e maxilares paralelos e móveis.

Art.	L1 mm / "	L2 mm
4225-250	0-53 / 0-2	250

Swedish pattern pipe wrench

head 45°, angled S-type jaw

Llave grifa modelo sueco

cabeza 45°, dentado en "S"

Chave de tubos tipo sueca

cabeça 45°, mordente "S"

Art.	L1 inch	L2 mm
5406-320	1"	320
5406-420	1-1/2"	420
5406-540	2"	540

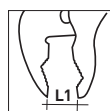
Stillson pattern pipe wrench

Llave grifa modelo Stillson

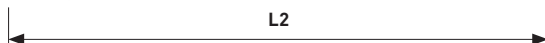
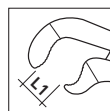
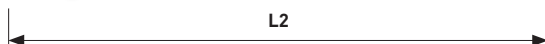
Chave de tubos tipo Stillson

Art.	L mm / inch
5405-250	250 / 10"
5405-350	350 / 14"
5405-450	450 / 18"
5405-600	600 / 24"
5405-900	900 / 36"

HIGHTECH



DIN ISO 8976



Pipe wrench with adjustable head

"Stillson"-type, with aluminium die cast body and 180° swivel aluminium handle, jaws made of chrome-molybdenum steel, infinitely adjustable with the knurling nut, maximum jaw-opening 2" / 52 mm.

Llave grifa con cabeza regulable

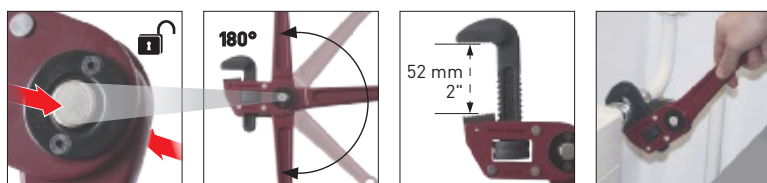
tipo "Stillson", con cuerpo de aluminio fundido, cabeza de aluminio regulable a 180°, bocas en acero cromo molibdeno, apertura regulable máximo 2" / 52 mm.

Chave de tubos com várias posições de cabeça

tipo "Stillson", com corpo em alumínio fundido, cabeça em alumínio regulável a 180°, bocas em aço molibdeno, abertura regulável 2" / 52 mm.

Art.

5405-290



Step wrench set

5 steps, with go-through ratchet handle and socket adapter 1/2" dr.

Juego de llave de montaje graduada

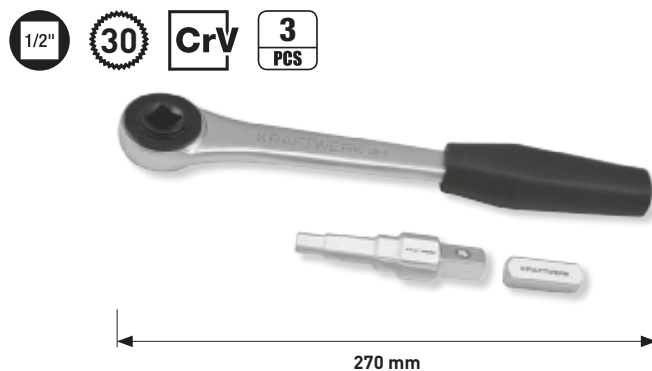
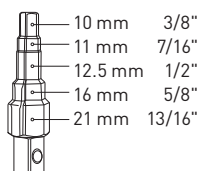
5 graduaciones, con carraca pasante y adaptador llaves de vaso 1/2"

Jogo de chave de montagem escalonada

5 escalas, com roquete de aperto e adaptador chaves de caixa 1/2"

Art.

5461SET



Circlips pliers

for external rings, opening straight tips, with spring

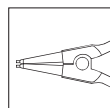
Alicate para arandelas

exteriores, puntas abiertas y rectas

Alicate de freios

exteriores, pontas direitas abertas, com mola

Art.	Typ / mm	Ø mm	L mm
4252-A0	A0 / 3-10	0.9	135
4252-A1	A1 / 10-25	1.3	135
4252-A2	A2 / 19-60	1.8	175
4252-A3	A3 / 40-100	2.3	220
4252-A4	A4 / 85-165	3.2	310



HIGHTECH

Circlips pliers

for external rings, opening straight tips, with spring

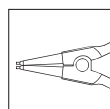
Alicate para arandelas

exteriores, puntas abiertas y rectas

Alicate de freios

exteriores, pontas direitas abertas, com mola

Art.	Typ / mm	Ø mm	L mm
2212-A2	A2 / 19-60	1.8	180



Circlips pliers

for external rings, opening 90° bent tips, with spring

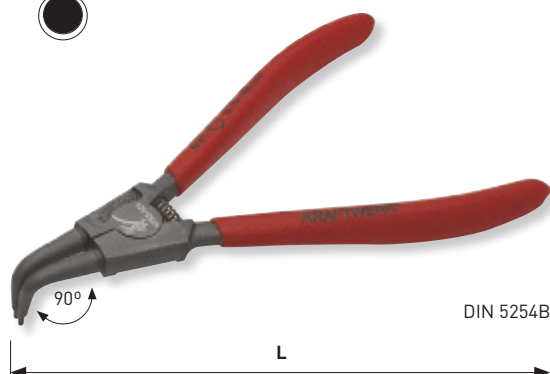
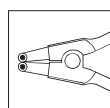
Alicate para arandelas

exteriores, puntas abiertas y curvas en ángulo de 90°

Alicate de freios

exteriores, pontas angulares de 90° abertas

Art.	Typ / mm	Ø mm	L mm
4253-A01	A01 / 3-10	0.9	125
4253-A11	A11 / 10-25	1.3	125
4253-A21	A21 / 19-60	1.8	165
4253-A31	A31 / 40-100	2.3	200
4253-A41	A41 / 85-165	3.2	290



HIGHTECH

Circlips pliers

for external rings, opening 90° bent tips, with spring

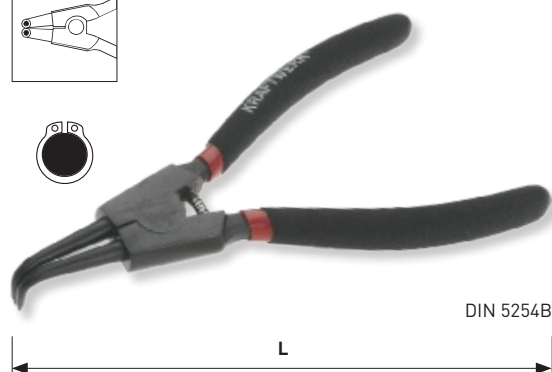
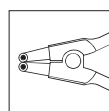
Alicate para arandelas

exteriores, puntas abiertas y curvas en ángulo de 90°

Alicate de freios

exteriores, puntas angulares de 90° abiertas

Art.	 Typ / mm	 Ø mm	L mm
2213-A21	A21 / 19-60	1.8	165



DIN 5254B

Circlips pliers

for internal rings, closing straight tips

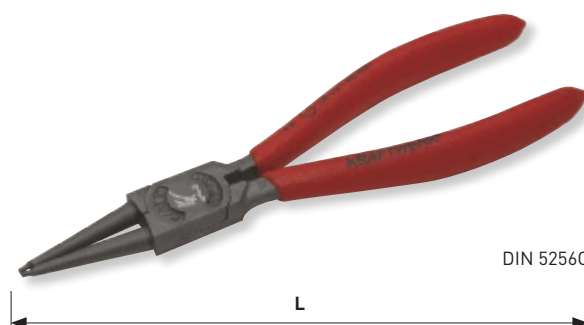
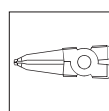
Alicate para arandelas

interiores, puntas cerradas y rectas

Alicate de freios

interiores, puntas dereitas fechadas

Art.	 Typ / mm	 Ø mm	L mm
4254-J0	J0 / 8-13	0.9	135
4254-J1	J1 / 12-25	1.3	135
4254-J2	J2 / 19-60	1.8	175
4254-J3	J3 / 40-100	2.3	220
4254-J4	J4 / 85-165	3.2	310



DIN 5256C

Circlips pliers

for internal rings, closing straight tips

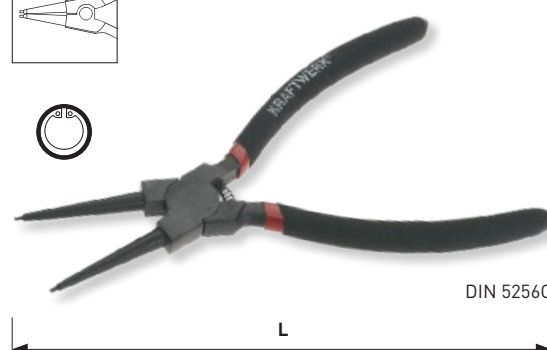
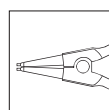
Alicate para arandelas

interiores, puntas cerradas y rectas

Alicate de freios

interiores, puntas dereitas fechadas

Art.	 Typ / mm	 Ø mm	L mm
2214-J2	J2 / 19-60	1.8	180



DIN 5256C

Circlips pliers

for internal rings, closing 90° bent tips

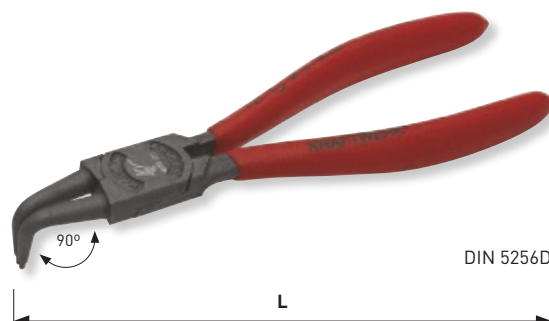
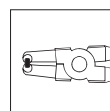
Alicate para arandelas

interiores, puntas cerradas y curvas en ángulo de 90°

Alicate de freios

interiores, pontas angulares de 90° fechadas

Art.	Typ / mm	Ø mm	L mm
4255-J01	J01 / 8-13	0.9	125
4255-J11	J11 / 12-25	1.3	125
4255-J21	J21 / 19-60	1.8	165
4255-J31	J31 / 40-100	2.3	200
4255-J41	J41 / 85-165	3.2	290



DIN 5256D

Circlips pliers

for internal rings, closing 90° bent tips

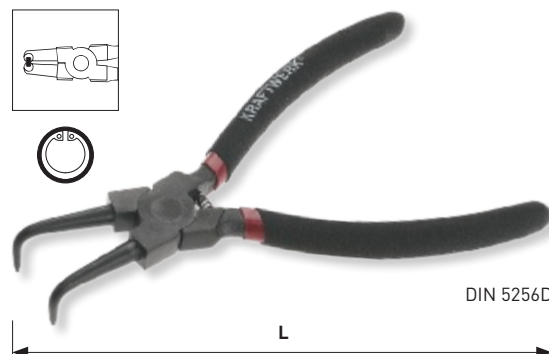
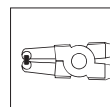
Alicate para arandelas

interiores, puntas cerradas y curvas en ángulo de 90°

Alicate de freios

interiores, pontas angulares de 90° fechadas

Art.	Typ / mm	Ø mm	L mm
2215-J21	J21 / 19-60	1.8	165



DIN 5256D

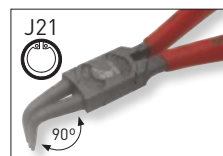
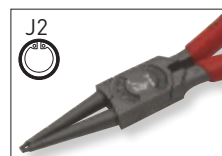
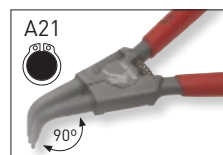
Circlips pliers set

Juego de alicates para arandelas

Jogo de alicates de freios

Art.	content / contiene / contém
4286	4252-A2, 4253-A21, 4254-J2, 4255-J21

4
PCS



HIGHTECH

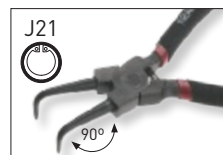
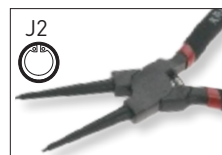
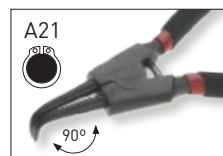
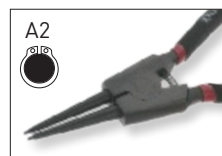
Circlips pliers set

Juego de alicates para arandelas

Jogo de alicates de freios

Art.	content / contiene / contém
2212	2212-A2, 2213-A21, 2214-J2, 2215-J21

4
PCS



Combined 4-in-1 circlips pliers

for external and internal circlips from 10 to 50 mm, with 4 tip-heads for 180°, 90°, 45° to be changed within seconds, for 6 different applications.

Alicate combinado 4-en-1 para arandelas

exteriores e interiores de 10 a 50 mm com 4 cabeças de pontas de 180°, 90°, 45°. Cambio de cabeças em segundos para 6 usos diferentes.

Alicate combinado 4-em-1 para freios

exteriores e interiores de 10 a 50 mm com 4 cabeças de ponta para 180°, 90°, 45°. Trocando cabeças em segundos para 6 aplicações diferentes.

Art.	Typ / mm	Ø mm	L mm
2211	A1-A2, J1-J2 / 10-50 mm	1.35	155

4
PCS



Hose clip pliers

Alicate para racores

Alicate para abraçadeiras

Art.	L mm
4251-175	175



HIGHTECH



Tire balancing wheel weight plier

Alicate para el equilibrado de ruedas

Alicate para pesos

Art.	L mm
4256-240	240

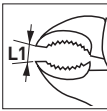


AUTOMOTIVE



Curved jaws locking pliers
Tenaza grip de bocas curvas
Alicate de pressão maxilas côncavas

Art.	L1 mm	L2 mm / inch
3292-175	43	max. 175 / 7"
3292-250	58	max. 250 / 10"

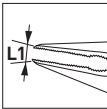


CrMo

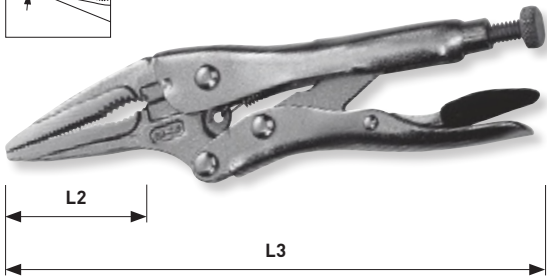


Long nose locking grip pliers
Tenaza grip de bocas largas
Alicate de pressão bicos longos

Art.	L1 mm	L2 mm	L3 mm / inch
3292-150	50	45	max. 150 / 6"

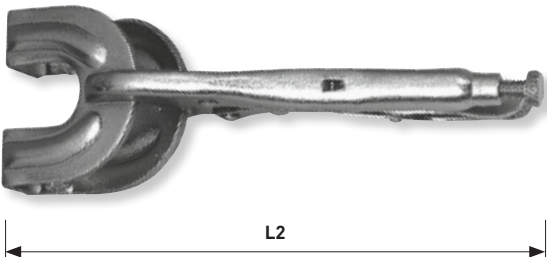
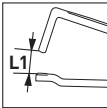


CrMo



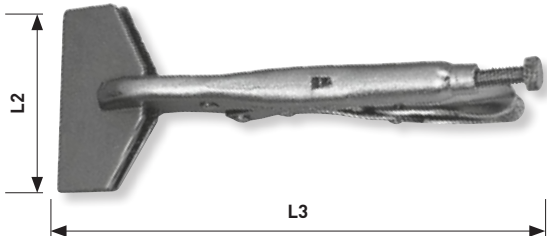
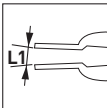
Locking welding clamp
Tenaza grip para soldador
Alicate de pressão para soldadura

Art.	L1 mm	L2 mm / inch
2252-225	41	max. 225 / 9"

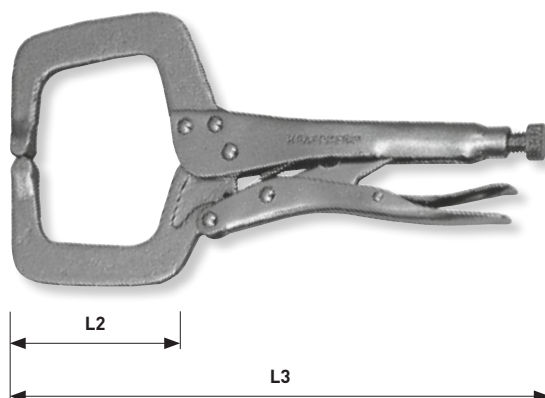
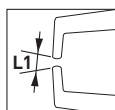


Sheet metal clamp
Tenaza grip para chapa
Alicate de pressão para latoeiros

Art.	L1 mm	L2 mm	L3 mm / inch
2253-200	48	79	max. 200 / 8"



Locking "C"- clamp pliers
Mordaza grip de cuello de cisne
Alicate de pressão pescoço de cisne



Art.	L1 mm	L2 mm	L3 mm / inch
2254-275	95	95	max. 275 / 11"

Revolving punch pliers
Pinza sacabocados de revolver
Alicate vazador

HIGHTECH

Art.	Ø mm	L mm
4248-220	2 - 4.5	220



Lever action revolving punch pliers
Pinza sacabocados de revolver con función carraca
Alicate vazador com função roquete

HIGHTECH

Art.	Ø mm	L mm
4248-250	2 - 4.5	250



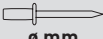
Revolving punch and eyelet pliers
Pinza de sacabocados y ojales de revolver
Alicate vazador e colocação de olhais

HIGHTECH

Art.	Ø mm	L mm
4249-220	4 - 5	220

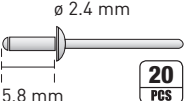
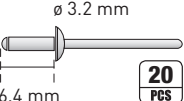
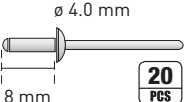
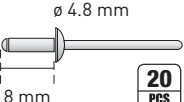


Hand riveter
Remachadora manual
Alicate de rebitar manual

Art.	 ø mm	L mm
2223	2.4-3.2-4.0-4.8	250



Hand riveter set
Kit remachadora manual
Conjunto de alicates de rebitar manual

 ø 2.4 mm 5.8 mm 20 PCS	 ø 3.2 mm 6.4 mm 20 PCS
 ø 4.0 mm 8 mm 20 PCS	 ø 4.8 mm 8 mm 20 PCS

Art.	 ø mm	 pcs.
2224	2.4-3.2-4.0-4.8	20



Nozzle for hand riveter
Boquilla para remachadora manual
Nariz para alicate de rebitar manual

Art.	ø mm
2223-2.4	2.4
2223-3.2	3.2
2223-4.0	4.0
2223-4.8	4.8



Pair of jaws for hand riveter
Par de mordazas para remachadora manual
Par de garras para alicate de rebitar manual

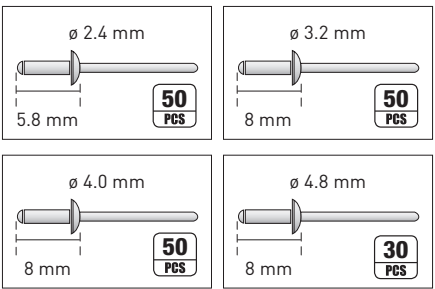
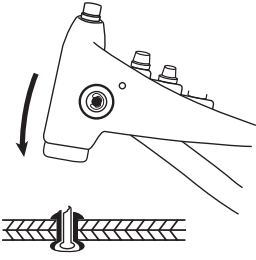
Art.
2223-01



Industrial hand riveter tool case
Estuche remachadora manual industrial
Kit de alicates de rebitar manual industrial



HIGHTECH



320 x 148 x 48 mm

Art.	Ø mm
4261	2.4-3.2-4.0-4.8

Nozzle for hand riveter
Boquilla para remachadora manual
Nariz para alicate de rebitar manual

Art.	Ø mm
4261-1	2.4
4261-2	3.2
4261-3	4.0
4261-4	4.8



Pair of jaws for hand riveter
Par de mordazas para remachadora manual
Par de garras para alicate de rebitar manual

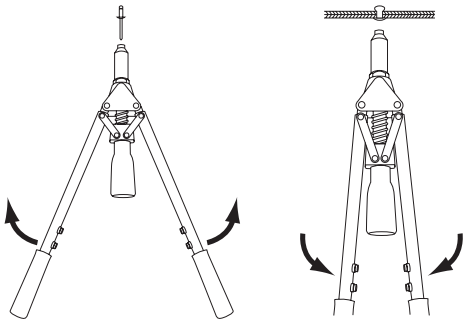
Art.
4261-5

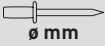


Industrial lever type hand riveter tool case
Estuche remachadora manual con efecto palanca
Kit de alicate de rebitar de brazos industrial



HIGHTECH



Art.	 ø mm
4262	3.2-4.0-4.8-6.0-6.4

575 x 185 x 52 mm

Nozzle for hand riveter
Boquilla para remachadora manual
Nariz para alicate de rebitar manual

Art.	ø mm
4262-1	3.2
4262-2	4.0
4262-3	4.8
4262-4	6.0
4262-5	6.4



Jaws for hand riveter
Bocas para remachadora manual
Garras para alicate de rebitar manual

Art.
4262-7



Nozzle Monobolt for hand riveter
Boquilla Monobolt para remachadora manual
Nariz Monobolt para alicate de rebitar manual

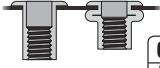
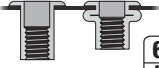
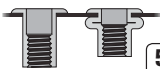
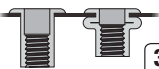
Art.	ø mm
4262-8	4.8/5 MB
4262-9	6.4mm MB



Industrial hand rivet nut tool case
Estuche de remachadora de tuerca industrial
Kit de alicate de rebitar manual industrial



HIGHTECH

M3 x 0.5 mm  60 PCS	M4 x 0.7 mm  60 PCS
M5 x 0.8 mm  50 PCS	M6 x 1.0 mm  30 PCS

Art.	
4263	M3-M4-M5-M6



320 x 148 x 48 mm

Rivet nut nozzle
Boquilla para remachadora de tuerca
Nariz para alicate de rebitar

Art.	
4263-1	M3
4263-2	M4
4263-3	M5
4263-4	M6



Thread bolt for hand rivet nut tool
Repuesto para remachadora de tuerca
Cabeça parafuso para alicate de rebitar

Art.	Ø
4263-5	M3
4263-6	M4
4263-7	M5
4263-8	M6



Industrial lever hand rivet nut tool kit
Estuche de remachadora de tuerca extrafuerte
Kit de alicates de rebitar de braços industrial



HIGHTECH



M5 x 0.8 mm 14 PCS	M6 x 1.0 mm 9 PCS
M8 x 1.25 mm 6 PCS	M10 x 1.5 mm 6 PCS

↕ 575 x 185 x 52 mm

Art.	
4264	M5-M6-M8-M10

Threaded mandrel and nose piece
Cabezal para remachadora de tuerca
Mandril e bico para alicate de rebitar de braços industrial

Art.	
4264-1	M4
4264-2	M5
4264-3	M6
4264-4	M8
4264-5	M10



Bolt cutter

with specially precisely polished heads made of chrome molybden steel. Ergonomic bi-material handles.

Cortavarilla

con cabezas pulido especial, realizado en acero cromo molibdeno. Mangos ergonómicos bimatériaes.

Corta parafusos

com cabeças especiais polidas, fabricado em aço cromo molibdênio. Punhos ergonômicos bimatéria.

Art.	15 HRC mm	35 HRC mm	L mm / inch
4260-18	8	6	450 / 18"
4260-24	10	8	600 / 24"
4260-30	13	10	750 / 30"
4260-36	16	11	900 / 36"
4260-42	18	13	1050 / 42"



HIGHTECH



Spare-head-set for bolt cutter

Recambio boca cortavarillas

Cabeça para corta parafusos

Art.	L mm / inch
4260-18E	450 / 18"
4260-24E	600 / 24"
4260-30E	750 / 30"
4260-36E	900 / 36"
4260-42E	1050 / 42"



HIGHTECH

Mini cable cutter

Juego cuchillas para cortavarillas

Mini Corta Cabos

Art.	H mm	S mm	L mm
2262-07	2.5	4.0	195



Strap wrench
Llave de correa
Chave de cinta

Art.	Ø mm	L mm / inch
5418-300	0 - 225mm / 9"	300 / 12"



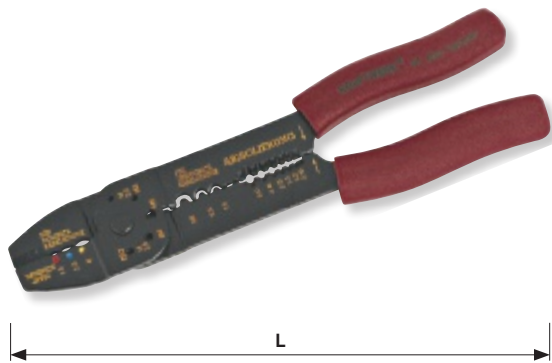
Tube bender 3 in 1
Curvadora 3 en 1
Curvador de tubos 3 em 1

Art.	Ø	C	L mm
5451	1/4" - 3/8" Cu / Me / Al	max. 180°	225



Crimping pliers
Alicate para engastar terminales
Alicate de cravar terminais

Art.	 mm²	 mm²	L mm
2225	1.5 - 6	1.5 - 6	240



5-in-1 crimping and wire stripping pliers

hardened and with ground edges for professional and industrial use.

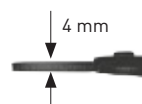
Alicate para engastar con pelacables "5 en 1"

endurecido y con bordes redondeados para uso profesional e industrial.

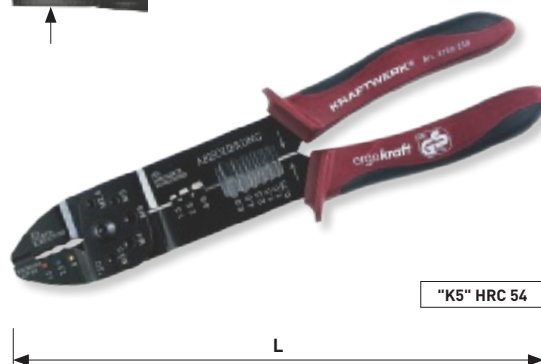
Alicate 5-em-1 cravar e descarnar

endurecido para uso profissional e industrial.

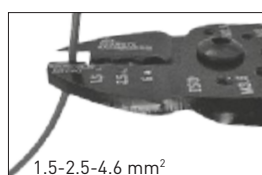
Art.	 mm ²	 mm ²	L mm
3290-230	1.5 - 6	1.5 - 6	230



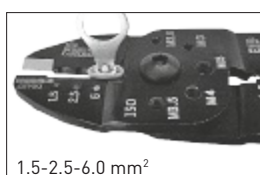
ERGOKRAFT



"K5" HRC 54



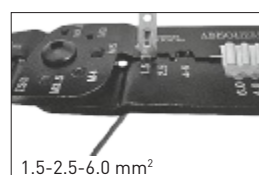
Wire cutter
Corta cable
Corta fios



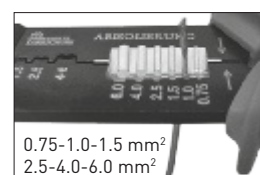
Crimping pliers for insulated terminals
Alicate para engastar terminales no aislados
Crava terminais isolados



Bolt cutter
Para pernos
Corta parafusos



Crimping pliers for open barrel terminals
Engastar terminales abiertos
Crava terminais abertos



Wire Stripper for cables
Pelacables
Descarnador de fios

Ratchet lever crimping pliers

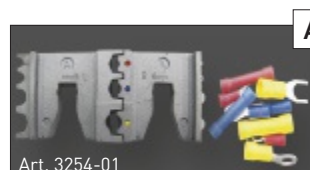
with interchangeable jaws including crimping jaws for insulated terminals and closed, non insulated terminals and non insulated ferrules.

Alicates de carraca para engastar terminales

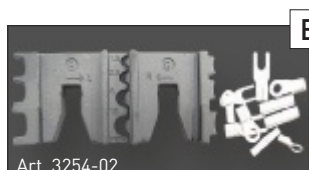
con cabezales intercambiables para terminales de cables aislados y terminales de cables sin aislar.

Alicate de roquete para cravar terminais

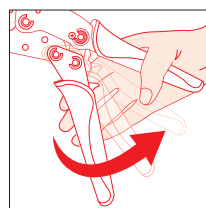
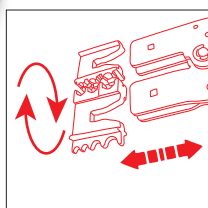
com cabeças intermutáveis incluindo para terminais isolados e terminais não-isolados.



Art. 3254-01
DIN 0.5-1.0 / 1.5-2.5 / 4-6 mm²
AWG 22-18 / 16-14 / 12-10



Art. 3254-02
DIN 1.5 / 2.5 / 6 / 10 mm²
AWG 20-18 / 16-14 / 12-10 / 8
JIS 1.25 / 2 / 5.5 / 8 mm²



12
PCS

Art.	incl. 	L mm
3254	1x 3254-01 1x 3254-02	220

Ratchet lever crimping pliers case

with interchangeable jaws including crimping jaws for insulated terminals and closed, non insulated terminals and non insulated ferrules.
Empty compartments for supplementary jaws or to store terminals.

Estuche de alicates de carraca para engastar terminales

con cabezales intercambiables para terminales de cables aislados y terminales de cables sin aislar.

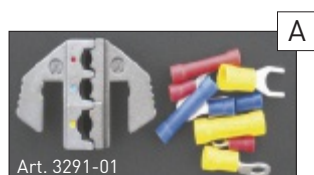
Compartimentos vacíos para los cabezales suplementarios y depósito de terminales.

Alicate de roquete para cravar terminais em Estojo

com cabeças intermutáveis incluindo para terminais isolados e terminais não-isolados.

Compartimentos vazios para cabeças suplementares.

Gli scomparti vuoti possono essere utilizzati per le ganasce supplementari o per i terminali non utilizzati.



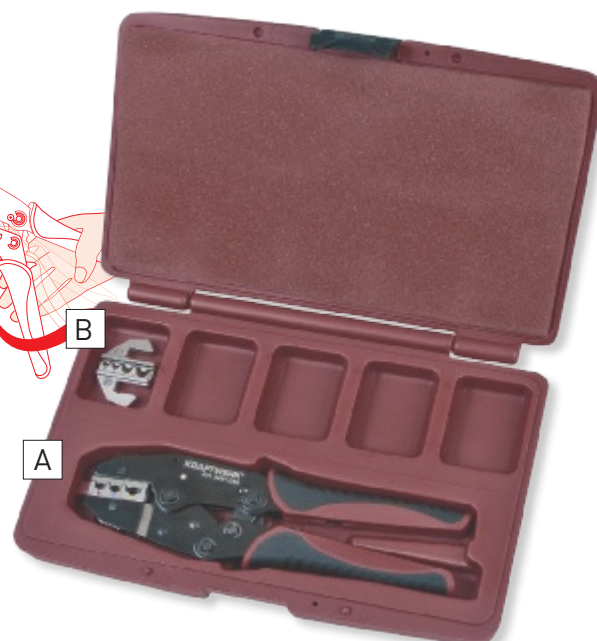
Art. 3291-01

DIN 0.5-1.0 / 1.5-2.5 / 4-6 mm²
AWG 20-18 / 16-14 / 12-10



Art. 3291-02

DIN 1.5 / 2.5 / 6 / 10 mm²
AWG 20-18 / 16-14 / 12-10 / 8
JIS 1.25 / 2 / 5.5 / 8 mm²



280 x 150 x 40 mm



Ratchet lever crimping pliers without jaw

Alicate de carraca para engastar terminales sin cabezal intercambiable

Alicate de Roquete para cravar terminais sem cabeça



L

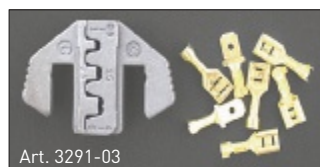
Art.	incl.	L mm
3291	1x 3291-01 1x 3291-02	220

Art.	L mm
3291-220	220

Optional crimp jaws

Bocas opcionales

Opcional crimp morse



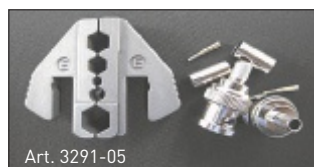
Art. 3291-03

DIN 0.5-1.0 / 1.5-2.5 / 4-6 mm²
AWG 20-18 / 16-14 / 12-10



Art. 3291-04

DIN 0.5/0.75/1.0/1.5/2.5/4.0 mm²
AWG 22 / 20 / 18 / 16 / 14 / 12



Art. 3291-05

Coaxial RG 58,59,62,6.
6.48 / 5.41 / 2.5 / 1.72 / 8.23 mm²
0.255 / 0.213 / 0.1 / 0.68 / 0.324"



Art. 3291-06

DIN 6 / 10 / 16 mm²
AWG 10 / 8 / 6



Art. 3291-07

4P4C / RJ22



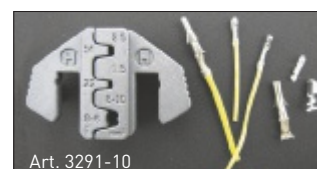
Art. 3291-08

6P2C / 6P4C / RJ11
6P6C / RJ12



Art. 3291-09

8P8C / RJ45



Art. 3291-10

DIN 2.5 / 0.5 / 8-10 mm²
AWG 14 / 22 / 8-6