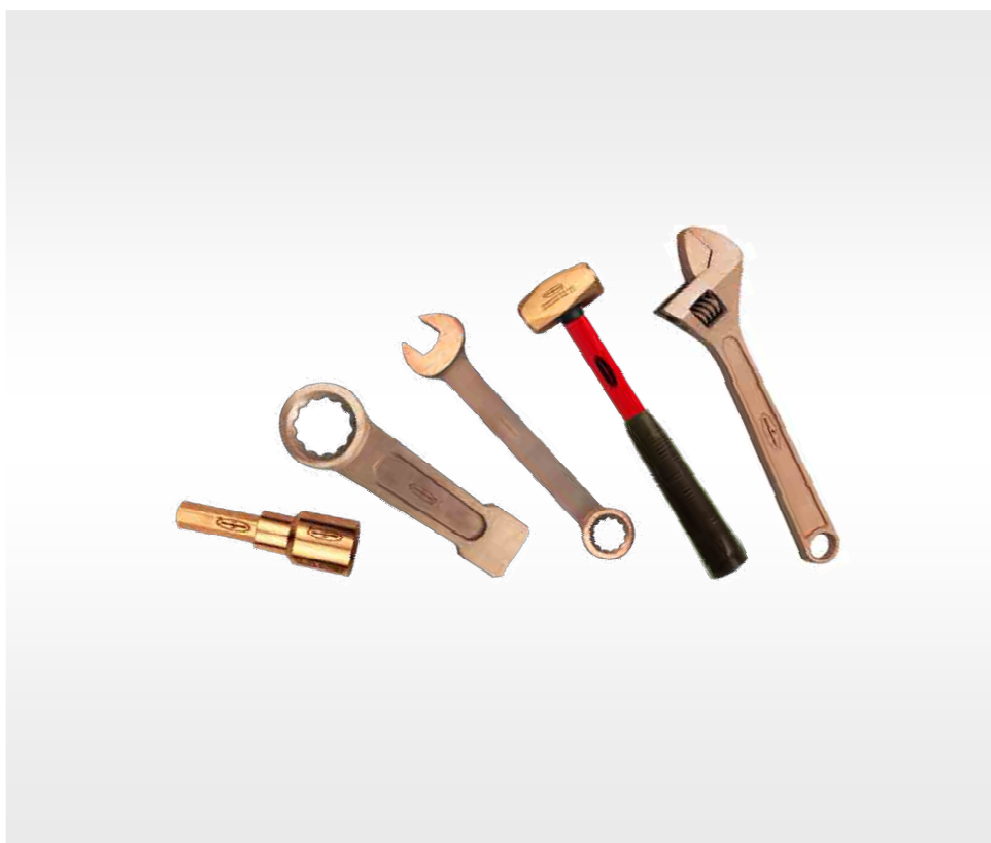


# CATALOGO HERRAMIENTAS ANTICHISPA PARA ZONAS ATEX



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## INTRODUCCIÓN

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Las herramientas anti-chispa Carlitsoe se suministran en dos aleaciones diferentes:

- Cobre-Berilio (CuBe2)
- Aluminio-Bronce (AlBr)

Las herramientas de aleación Cobre-Berilio cumplen con la directiva ATEX europea para uso en zonas 0, 1 y 2 (gas, vapor), zonas 20, 21 y 22 (polvo), así como M1 y M2 de minería.

Las herramientas de Aluminio-Bronce cumplen con la directiva ATEX europea para uso en zonas 1 y 2 (gas, vapor) y zonas 21, 22 (polvo).

En cuanto a su dureza, las herramientas de Cobre-Berilio tienen una dureza rockwell C entre 33-45, mientras que las de Aluminio bronce tienen una dureza rockwell C entre 23-35.

Además de sus propiedades anti-chispa, nuestras herramientas son resistentes a la corrosión y pueden ser utilizadas en presencia de equipos magnéticos sensibles. Estas características las hacen aptas para una amplia diversidad de industrias:

- |                               |                         |
|-------------------------------|-------------------------|
| - Aeropuertos                 | - Laboratorios          |
| - Alimentación                | - Militar               |
| - Automóvil                   | - Minería               |
| - Bodegas                     | - Naval y astilleros    |
| - Desalinización              | - Petróleo              |
| - Destilerías                 | - Producción de energía |
| - Farmacéuticas               | - Química               |
| - Ferroviario                 | - Pinturas/barnices     |
| - Gas                         | - Plásticos             |
| - Harineras                   | - Etc.                  |
| - Hospitales (res. magnética) |                         |

MARTILLOS



**Ex101 Martillo de Bola**

Ref.	Ex101-200	Ex101-500	Ex101-700	Ex101-900	Ex101-1130
H (g)	200	500	700	900	1130



**Ex102 Martillo Mecánico de Peña**

Ref.	Ex102-500	Ex102-900
H (g)	500	900



**Ex103 Martillo Doble Cara**

Ref.	Ex103-500
H (g)	500



**Ex104 Martillo Octogonal**

Ref.	Ex104-1000	Ex104-1500	Ex104-2000	Ex104-2500	Ex104-3000
H (g)	1000	1500	2000	2500	3000
Ref.	Ex104-4000	Ex104-5000	Ex104-6000	Ex104-8000	Ex104-10000
H (g)	4000	5000	6000	8000	10000



**Ex105 Martillo de Corte**

Ref.	Ex105-1300	Ex105-2000
H (g)	1300	2000



**Ex106 Pico de Calderero**

Ref.	Ex106-200	Ex106-400	Ex106-500	Ex106-600	Ex106-900
H (g)	200	400	500	600	900



**Ex107 Martillo para Piedra**

Ref.	Ex107-1000
H (g)	1000



**Ex108 Martillo de Garrote**

Ref.	Ex108-1000	Ex108-1500	Ex108-2000	Ex108-3000
H (g)	1000	1500	2000	3000



**Ex112 Pala Martillo**

Ref.	Ex112-700	Ex112-900
H (g)	700	900

**MARTILLOS,  
HACHAS**



**Ex113S Martillo/Palanca**

Ref.	Ex113S-230
a x l (mm)	70 x 230
Peso (kg)	0.51



**Ex121 Martillo de Plástico**

Ref.	Ex121-450	Ex121-1000
H (g)	450	1000



**Ex122 Martillo de Uña**

Ref.	Ex122-500	Ex122-700
H (g)	500	700



**Ex1041 Martillo mecánico de Peña para Herreros**

Ref.	Ex1041-100	Ex1041-200	Ex1041-300	Ex1041-500
H (g)	100	200	300	500
Ref.	Ex1041-800	Ex1041-1000	Ex1041-1500	Ex1041-2000
H (g)	800	1000	1500	2000



**Ex6475 Maceta cuadrada tipo alemán**

Ref.	Ex6475-1000	Ex6475-1500	Ex6475-2000	Ex6475-2500	Ex6475-3000
H (g)	1000	1500	2000	2500	3000
Ref.	Ex6475-4000	Ex6475-5000	Ex6475-6000	Ex6475-8000	Ex6475-10000
H (g)	4000	5000	6000	8000	10000



**Ex1201 Hacha**

Ref.	Ex1201-100
a x b (mm)	100 x 180
Peso (kg)	1.90



**Ex1202 Hacha**

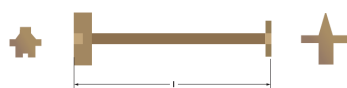
Ref.	Ex1202-85
a x b (mm)	85 x 165
Peso (kg)	1.23



**Ex1203 Hacha Bombero**

Ref.	Ex1203-1850	Ex1203-2950
a x b (mm)	125 x 300	125 x 300
Peso (kg)	1.85	2.95

LLAVES



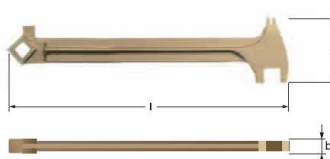
**Ex110 Llave de tapón**

Ref.	Ex110-400
l (mm)	400
Peso (kg)	1.94



**Ex110ES Llave de tapón (para 3/4" y 2")**

Ref.	Ex110ES-305
l (mm)	305
Peso (kg)	0.75



**Ex110S Llave de tapón (para 22 medidas)**

Ref.	Ex110S-385
a x b x l (mm)	96 x 66 x 385
Peso (kg)	1.82

**Ex200 Llave de impacto de boca**



Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex200-17	17	140	0.18	Ex200-56	56	310	2.20
Ex200-18	18	140	0.18	Ex200-60	60	320	2.76
Ex200-19	19	140	0.19	Ex200-63	63	350	4.36
Ex200-22	22	150	0.26	Ex200-65	65	350	4.36
Ex200-24	24	160	0.33	Ex200-70	70	375	4.85
Ex200-26	26	180	0.43	Ex200-75	75	395	5.56
Ex200-27	27	180	0.43	Ex200-80	80	410	6.20
Ex200-28	28	180	0.43	Ex200-85	85	415	6.50
Ex200-29	29	190	0.53	Ex200-90	90	435	7.45
Ex200-30	30	190	0.53	Ex200-95	95	450	8.10
Ex200-32	32	195	0.58	Ex200-100	100	485	9.90
Ex200-35	35	210	0.85	Ex200-105	105	485	9.90
Ex200-36	36	210	0.85	Ex200-110	115	510	19.50
Ex200-37	37	210	0.85	Ex200-115	115	510	19.50
Ex200-38	38	225	0.98	Ex200-120	120	545	23.0
Ex200-41	41	225	1.04	Ex200-125	125	545	23.0
Ex200-42	42	225	1.10	Ex200-130	130	575	28.0
Ex200-46	46	255	1.48	Ex200-135	135	575	28.0
Ex200-50	40	280	1.71	Ex200-145	145	640	38.0
Ex200-52	52	280	2.20	Ex200-150	150	640	38.0
Ex200-55	55	310	2.20	Ex200-155	155	640	38.0

\*Otras medidas bajo demanda

**Ex201 Llave estrella sencilla (12 puntos)**

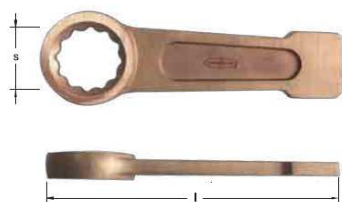


\*Otras medidas bajo demanda

Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex201-14	14	138	0.06	Ex201-34	34	295	0.61
Ex201-17	17	155	0.09	Ex201-35	35	295	0.61
Ex201-19	19	171	0.12	Ex201-36	36	295	0.61
Ex201-22	22	190	0.17	Ex201-37	37	295	0.61
Ex201-24	24	215	0.24	Ex201-38	38	295	0.61
Ex201-27	27	230	0.32	Ex201-41	41	330	0.75
Ex201-30	30	254	0.37	Ex201-42	42	330	0.75
Ex201-32	32	265	0.40	Ex201-46	46	365	1.05
Ex201-33	33	265	0.40				

LLAVES

**Ex201B Llave de impacto estrella (12 puntos)**



Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex201B-17	17	140	0.18	Ex201B-46	46	240	1.23
Ex201B-18	18	140	0.18	Ex201B-47	47	240	1.23
Ex201B-19	19	140	0.18	Ex201B-50	50	250	1.30
Ex201B-20	20	160	0.22	Ex201B-52	52	250	1.71
Ex201B-21	21	160	0.22	Ex201B-55	55	270	1.71
Ex201B-22	22	160	0.22	Ex201B-60	60	270	1.93
Ex201B-23	23	160	0.22	Ex201B-65	65	290	2.02
Ex201B-24	24	160	0.27	Ex201B-70	70	320	2.78
Ex201B-25	25	160	0.27	Ex201B-75	75	335	2.92
Ex201B-26	26	180	0.35	Ex201B-80	80	340	3.28
Ex201B-27	27	180	0.35	Ex201B-85	85	345	4.19
Ex201B-28	28	180	0.35	Ex201B-90	90	375	5.18
Ex201B-29	29	190	0.51	Ex201B-95	95	380	5.26
Ex201B-30	30	190	0.51	Ex201B-100	100	405	6.30
Ex201B-31	31	190	0.51	Ex201B-105	105	410	6.65
Ex201B-32	32	195	0.53	Ex201B-110	110	450	8.50
Ex201B-33	33	195	0.53	Ex201B-115	115	450	8.50
Ex201B-34	34	205	0.56	Ex201B-120	120	475	12.75
Ex201B-35	35	205	0.56	Ex201B-125	125	475	12.75
Ex201B-36	36	205	0.56	Ex201B-130	130	505	17.25
Ex201B-37	37	205	0.56	Ex201B-135	135	505	17.25
Ex201B-38	38	225	0.81	Ex201B-145	145	575	21.00
Ex201B-41	41	225	0.81	Ex201B-150	150	575	21.00
Ex201B-42	42	225	0.81	Ex201B-155	155	575	21.00

\*Otras medidas bajo demanda

**Ex201F Llave estrella de impacto acodada (12 puntos)**



Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex201F-27	27	245	0.75	Ex201F-50	50	330	2.12
Ex201F-30	30	270	0.82	Ex201F-55	55	340	2.52
Ex201F-32	32	270	0.82	Ex201F-60	60	355	3.01
Ex201F-36	36	280	1.30	Ex201F-65	65	380	3.55
Ex201F-41	41	310	1.35	Ex201F-70	70	400	4.30
Ex201F-46	46	320	1.90				

\*Otras medidas bajo demanda

**Ex202 Llave estrella doble plana (12 puntos)**



Ref.	S1 x S2 (mm)	l (mm)	Peso (kg)	Ref.	S1 x S2 (mm)	l (mm)	Peso (kg)
Ex202-6-7	6x7	80	0.03	Ex202-19-22	19x22	185	0.18
Ex202-8-9	8x9	95	0.04	Ex202-22-24	22x24	190	0.22
Ex202-9-10	9x10	105	0.06	Ex202-24-27	24x27	220	0.29
Ex202-12-14	12x14	130	0.10	Ex202-27-30	27x30	270	0.42
Ex202-14-15	14x15	130	0.09	Ex202-30-32	30x32	270	0.48
Ex202-17-19	17x19	150	0.14	Ex202-32-36	32x36	305	0.60

\*Otras medidas bajo demanda

LLAVES

**Ex202F Llave estrella doble acodada (12 puntos)**



Ref.	S1 x S2 (mm)	l (mm)	Peso (kg)	Ref.	S1 x S2 (mm)	l (mm)	Peso (kg)
Ex202F-6-7	6x7	155	0.03	Ex202F-20-22	20x22	330	0.28
Ex202F-7-8	7x8	155	0.03	Ex202F-19-24	19x24	360	0.42
Ex202F-7-9	7x9	155	0.03	Ex202F-21-23	21x23	360	0.42
Ex202F-8-9	8x9	155	0.04	Ex202F-22-24	22x24	360	0.42
Ex202F-8-10	8x10	170	0.04	Ex202F-22-27	22x27	360	0.50
Ex202F-9-11	9x11	170	0.08	Ex202F-24-26	24x26	400	0.50
Ex202F-10-12	10x12	180	0.08	Ex202F-24-27	24x27	400	0.50
Ex202F-10-13	10x13	180	0.08	Ex202F-25-28	25x28	400	0.53
Ex202F-11-13	11x13	180	0.10	Ex202F-24-30	24x30	410	0.54
Ex202F-12-13	12x13	180	0.10	Ex202F-27-30	27x30	410	0.55
Ex202F-12-14	12x14	200	0.10	Ex202F-27-32	27x32	410	0.72
Ex202F-13-15	13x15	220	0.14	Ex202F-30-32	30x32	430	0.72
Ex202F-14-15	14x15	220	0.15	Ex202F-30-36	30x36	480	0.99
Ex202F-14-17	14x17	230	0.15	Ex202F-32-36	32x36	480	0.99
Ex202F-16-17	16x17	260	0.20	Ex202F-34-36	34x36	480	0.99
Ex202F-16-18	16x18	260	0.18	Ex202F-36-41	36x41	510	1.28
Ex202F-17-19	17x19	280	0.22	Ex202F-41-46	41x46	580	1.60
Ex202F-18-19	18x19	280	0.22	Ex202F-46-50	46x50	630	2.08
Ex202F-17-22	17x22	330	0.28	Ex202F-50-55	50x55	690	2.52
Ex202F-19-22	19x22	330	0.28				

\*Otras medidas bajo demanda

**Ex203 Llave doble de boca**



Ref.	S1 x S2 (mm)	l (mm)	Peso (kg)	Ref.	S1 x S2 (mm)	l (mm)	Peso (kg)
Ex203-6-7	6x7	95	0.025	Ex203-20-22	20x22	200	0.24
Ex203-6-8	6x8	100	0.03	Ex203-21-23	21x23	220	0.30
Ex203-7-8	7x8	100	0.03	Ex203-22-24	22x24	220	0.30
Ex203-7-9	7x9	110	0.035	Ex203-24-27	24x27	240	0.39
Ex203-8-9	8x9	110	0.035	Ex203-25-28	25x28	260	0.485
Ex203-8-10	8x10	115	0.04	Ex203-24-30	24x30	260	0.485
Ex203-9-10	9x10	115	0.04	Ex203-27-30	27x30	260	0.485
Ex203-9-11	9x11	125	0.05	Ex203-27-32	27x32	285	0.65
Ex203-10-12	10x12	135	0.065	Ex203-30-32	30x32	285	0.65
Ex203-11-14	11x14	145	0.085	Ex203-32-36	32x36	310	0.85
Ex203-12-14	12x14	145	0.085	Ex203-36-41	36x41	340	1.15
Ex203-13-15	13x15	155	0.105	Ex203-41-46	41x46	375	1.50
Ex203-14-15	14x15	155	0.105	Ex203-46-50	46x50	410	1.90
Ex203-14-17	14x17	170	0.130	Ex203-50-55	50x55	455	2.50
Ex203-16-18	16x18	170	0.130	Ex203-55-60	55x60	505	3.20
Ex203-17-19	17x19	185	0.165	Ex203-60-65	60x65	535	3.98
Ex203-19-22	19x22	200	0.24				

\*Otras medidas bajo demanda

**Ex204S Llave estrella con espiga**



Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex204S-22	22	350	0.39	Ex204S-36	36	450	0.93
Ex204S-24	24	350	0.39	Ex204S-38	38	450	0.93
Ex204S-27	27	400	0.49	Ex204S-41	41	450	1.36
Ex204S-30	30	400	0.80	Ex204S-46	46	500	2.06
Ex204S-32	32	400	0.78	Ex204S-50	50	550	2.79

LLAVES



**Ex205S Llave de boca con espiga**

Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex205S-22	22	350	0.43	Ex205S-36	36	450	1.22
Ex205S-24	24	350	0.44	Ex205S-38	38	450	1.19
Ex205S-27	27	40	0.60	Ex205S-41	41	455	1.39
Ex205S-30	30	400	0.95	Ex205S-44	44	500	1.87
Ex205S-32	32	400	0.95	Ex205S-46	46	500	1.88



**Ex205 Llave de boca sencilla**

Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex205-6	6	85	0.01	Ex205-25	25	205	0.27
Ex205-7	7	90	0.02	Ex205-27	27	225	0.33
Ex205-8	8	95	0.02	Ex205-30	30	255	0.40
Ex205-10	10	105	0.04	Ex205-32	32	275	0.52
Ex205-12	12	115	0.05	Ex205-36	36	300	0.73
Ex205-13	13	120	0.06	Ex205-38	38	310	0.79
Ex205-14	14	125	0.08	Ex205-41	41	330	1.05
Ex205-16	16	135	0.11	Ex205-46	46	370	1.29
Ex205-17	17	140	0.11	Ex205-50	50	380	1.73
Ex205-19	19	155	0.15	Ex205-55	55	400	2.30
Ex205-22	22	180	0.19	Ex205-60	60	430	2.78
Ex205-24	24	200	0.24				

\*Otras medidas bajo demanda



**Ex206 Llave doble combinada**

Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex206-6	6	90	0.02	Ex206-24	24	265	0.41
Ex206-7	7	100	0.03	Ex206-25	25	290	0.58
Ex206-8	8	105	0.03	Ex206-26	26	290	0.58
Ex206-9	9	115	0.05	Ex206-27	27	290	0.58
Ex206-10	10	125	0.05	Ex206-28	28	320	0.63
Ex206-11	11	135	0.07	Ex206-30	30	320	0.63
Ex206-12	12	140	0.09	Ex206-32	32	335	0.79
Ex206-13	13	150	0.10	Ex206-34	34	350	0.92
Ex206-14	14	160	0.13	Ex206-36	36	350	0.93
Ex206-15	15	165	0.14	Ex206-38	38	360	1.24
Ex206-16	16	175	0.15	Ex206-41	41	370	1.46
Ex206-17	17	180	0.17	Ex206-46	46	405	1.68
Ex206-18	18	195	0.21	Ex206-50	50	420	1.92
Ex206-19	19	205	0.23	Ex206-55	55	435	2.32
Ex206-20	20	205	0.25	Ex206-60	60	465	2.59
Ex206-21	21	230	0.27	Ex206-65	65	470	2.88
Ex206-22	22	245	0.30	Ex206-70	70	480	3.39
Ex206-23	23	245	0.36				

\*También disponible en  
versión larga



**Ex207 Llave de válvula**

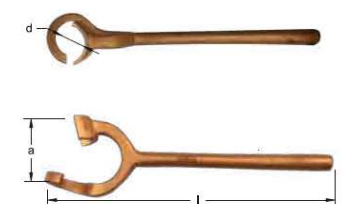
Ref.	a (mm)	b (mm)	d (mm)	l (mm)	Peso (kg)
Ex207-30	30	56	13	200	0.30
Ex207-32	32	60	14	250	0.42
Ex207-36	36	66	15	270	0.52
Ex207-41	41	73	16	300	0.66
Ex207-50	50	86	18	320	0.92

LLAVES



**Ex207F Llave gancho de válvula**

Ref.	a (mm)	b (mm)	d (mm)	l (mm)	Peso (kg)
Ex207F-30	30	56	13	300	0.44
Ex207F-35	35	61	13	350	0.50
Ex207F-40	40	72	16	400	0.87
Ex207F-45	45	77	16	450	0.98
Ex207F-50	50	88	19	500	1.54
Ex207F-60	60	104	22	600	2.47
Ex207F-70	70	120	25	700	3.71
Ex207F-80	80	136	28	800	5.31



**Ex207S Llave de rueda de válvula**

Ref.	d (mm)	a (mm)	l (mm)	Peso (kg)
Ex207S-215	32	56	215	0.39
Ex207S-290	36	56	290	1.03
Ex207S-400	48	80	400	1.86
Ex207S-490	60	100	490	1.95
Ex207S-800	60	110	800	5.70

**Ex207ES Llave de rueda de válvula especial**

Ref.	Tamaño rueda	l (mm)	Peso (kg)
Ex207ES-215	76-178	215	0.20
Ex207ES-400	203-381	400	0.85
Ex207ES-490	406-508	490	2.20

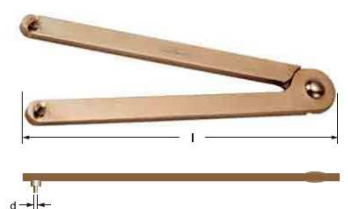
**Ex207HD Llave de rueda de válvula, aplicaciones pesadas**

Ref.	Tamaño rueda	l (mm)	Peso (kg)
Ex207HD-290	76-178	290	1.00
Ex207HD-430	203-381	430	2.30
Ex207HD-520	406-508	520	4.50
Ex207HD-800	406-508	800	5.90

**Ex208 Llave inglesa de gancho fija**



Ref.	d (mm)	l (mm)	Peso (kg)	Ref.	d (mm)	l (mm)	Peso (kg)
Ex208-12/14	12/14	103	0.03	Ex208-52/55	52/55	195	0.18
Ex208-16/18	16/18	104	0.03	Ex208-58/62	58/62	227	0.29
Ex208-16/20	16/20	104	0.03	Ex208-68/75	68/75	230	0.29
Ex208-20/22	20/22	105	0.03	Ex208-80/90	80/90	266	0.45
Ex208-25/28	25/28	126	0.05	Ex208-95/100	95/100	271	0.44
Ex208-30/32	30/32	128	0.05	Ex208-110/115	110/115	315	0.82
Ex208-34/36	34/36	160	0.10	Ex208-120/130	120/130	319	0.82
Ex208-40/42	40/42	161	0.10	Ex208-135/145	135/145	363	1.32
Ex208-45/50	45/50	193	0.18				



**Ex208DH Llave inglesa de gancho ajustable doble agujero**

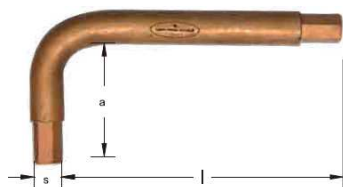
Ref.	d (mm)	l (mm)	Peso (kg)
Ex208DH-2.9	2.9	160	0.14



**Ex208S Llave inglesa de gancho ajustable**

Ref.	d (mm)	l (mm)	Peso (kg)
Ex208S-32/75	32-75	205	0.21
Ex208S-50/120	50-120	285	0.48
Ex208S-115/170	115-170	310	1.21

LLAVES



**Ex209 Llave Allen**

Ref.	S (mm)	a (mm)	l (mm)	Peso (kg)
Ex209-1.5	1.5	14	45	0.01
Ex209-2	2	16	50	0.01
Ex209-2.5	2.5	18	56	0.01
Ex209-3	3	20	63	0.01
Ex209-4	4	25	70	0.01
Ex209-5	5	28	80	0.02
Ex209-6	6	32	90	0.04
Ex209-7	7	34	95	0.05
Ex209-8	8	36	100	0.08
Ex209-10	10	40	112	0.13
Ex209-12	12	45	125	0.21
Ex209-14	14	56	140	0.35
Ex209-17	17	63	160	0.56
Ex209-19	19	70	180	0.76
Ex209-22	22	80	200	1.25
Ex209-24	24	90	224	1.63
Ex209-27	27	100	250	2.37
Ex209-32	32	125	315	4.22
Ex209-36	36	140	355	5.82

**Ex209L Llave Allen larga**



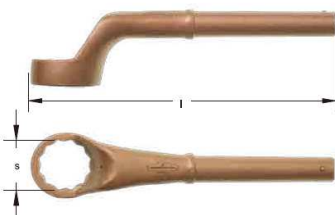
Ref.	S (mm)	a (mm)	l (mm)	Peso (kg)
Ex209L-1.5	1.5	14	88	0.01
Ex209L-2	2	16	99	0.01
Ex209L-2.5	2.5	18	109	0.01
Ex209L-3	3	20	125	0.01
Ex209L-4	4	25	139	0.03
Ex209L-5	5	28	155	0.04
Ex209L-6	6	32	176	0.07
Ex209L-7	7	34	188	0.09
Ex209L-8	8	36	201	0.14
Ex209L-10	10	40	228	0.25
Ex209L-12	12	45	258	0.37
Ex209L-14	14	56	276	0.63
Ex209L-17	17	63	299	0.92



**Ex212 Llave tubería gas**

Ref.	l (mm)	Peso (kg)
Ex212-540	540	2.31

**Ex215 Llave estrella para extensión**



Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex215-30	30	200	0.92	Ex215-46	46	280	1.60
Ex215-32	32	235	0.97	Ex215-47	47	280	1.60
Ex215-33	33	235	0.97	Ex215-50	50	280	1.77
Ex215-34	34	235	0.97	Ex215-52	52	280	1.77
Ex215-35	35	245	1.03	Ex215-55	55	290	1.95
Ex215-36	36	245	1.03	Ex215-58	58	330	2.90
Ex215-37	37	250	1.14	Ex215-60	60	330	2.90
Ex215-38	38	250	1.14	Ex215-65	65	350	3.10
Ex215-41	41	265	1.26	Ex215-70	70	360	3.50
Ex215-42	42	265	1.26				

# LLAVES



## Ex216 Extensión para llave estrella

Ref.	d (mm)	l (mm)	Peso (kg)	Ref.	d (mm)	l (mm)	Peso (kg)
Ex216-22	22	600	1.10	Ex216-30	30	850	2.72
Ex216-25	25	750	1.88				



## Ex501 Llave boca ajustable

Ref.	S max (mm)	l (mm)	Peso (kg)	Ref.	S max (mm)	l (mm)	Peso (kg)
Ex501-6	19	150	0.13	Ex501-15	45	375	1.42
Ex501-8	24	200	0.28	Ex501-18	55	450	2.81
Ex501-10	28	250	0.48	Ex501-24	60	600	4.93
Ex501-12	34	300	1.76				



## Ex502 Llave tubería (tipo americano)

Ref.	d max (mm)	l (mm)	Peso (kg)	Ref.	d max (mm)	l (mm)	Peso (kg)
Ex502-6	20	150	0.30	Ex502-18	60	450	2.85
Ex502-8	25	200	0.47	Ex502-24	75	600	4.84
Ex502-10	30	250	1.02	Ex502-36	85	900	7.79
Ex502-12	40	300	1.48	Ex502-48	110	1200	13.57
Ex502-14	50	350	1.63				



## Ex503 Llave inglesa ajustable

Ref.	s max (mm)	l (mm)	Peso (kg)	Ref.	s max (mm)	l (mm)	Peso (kg)
Ex503-10	48	254	0.83	Ex503-15	70	380	2.19



## Ex504 Llave de trinquete

Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex504-16	16	190	0.35	Ex504-30	30	292	2.38
Ex504-17	17	190	0.52	Ex504-32	32	306	3.96
Ex504-18	18	207	0.60	Ex504-34	34	332	4.92
Ex504-19	19	207	0.60	Ex504-36	36	332	
Ex504-21	21	232	1.18	Ex504-41	41	361	
Ex504-22	22	232	1.29	Ex504-46	46	386	
Ex504-24	24	248	1.32	Ex504-50	50	404	
Ex504-27	27	271	2.05	Ex504-55	55	424	

## Ex504S Llave de trinquete



Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex504S-24	24	240	0.50	Ex504S-32	32	320	1.00
Ex504S-27	27	270	0.72	Ex504S-36	36	330	1.20
Ex504S-30	30	300	0.89	Ex504S-41	41	330	1.37



## Ex600 Llave cadena

Ref.	d max (mm)	l (mm)	Peso (kg)	Ref.	d max (mm)	l (mm)	Peso (kg)
Ex600-2	50	600	1.60	Ex600-6	150	600	1.99
Ex600-4	100	600	1.81				

DESTORNILLADORES



**Ex209S Destornillador Allen**

Ref.	S (mm)	Ref.	S (mm)
Ex209S-1.5	1.5	Ex209S-6	6
Ex209S-2	2	Ex209S-7	7
Ex209S-3	3	Ex209S-8	8
Ex209S-4	4	Ex209S-9	9
Ex209S-5	5	Ex209S-10	10

**Ex209LS Destornillador Allen (largo)**

Ref.	S (mm)	Ref.	S (mm)
Ex209LS-1.5	1.5	Ex209LS-6	6
Ex209LS-2	2	Ex209LS-7	7
Ex209LS-3	3	Ex209LS-8	8
Ex209LS-4	4	Ex209LS-9	9
Ex209LS-5	5	Ex209LS-10	10

**Ex801 Destornillador estándar**



Ref.	a (mm)	b (mm)	Peso (kg)	Ref.	a (mm)	b (mm)	Peso (kg)
Ex801-350	3	50	0.007	Ex801-8200	8	200	0.11
Ex801-4100	4	100	0.016	Ex801-10200	10	200	0.17
Ex801-5125	5	125	0.029	Ex801-10300	10	300	0.25
Ex801-6100	6	100	0.038	Ex801-12250	12	250	0.29
Ex801-6150	6	150	0.048	Ex801-14250	14	250	0.39
Ex801-8150	8	150	0.092				



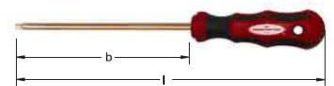
**Ex801S Destornillador impacto**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex801S-8	8	150	0.23



**Ex803 Destornillador Phillips**

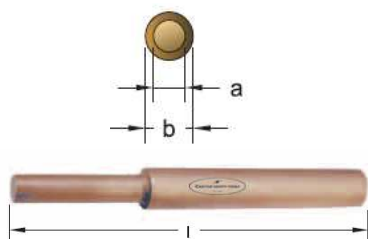
Ref.	b (mm)	Peso (kg)	Ref.	b (mm)	Peso (kg)
Ex803-0	60	0.015	Ex803-3	150	0.085
Ex803-1	80	0.022	Ex803-4	200	0.17
Ex803-2	100	0.036			



**Ex804 Destornillador Torx**

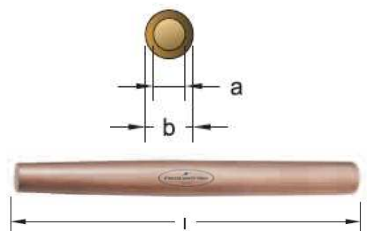
Ref.	TX No (mm)	b (mm)	l (mm)	Peso (kg)
Ex804-T05B	5	60	150	0.04
Ex804-T06B	6	60	150	0.04
Ex804-T07B	7	60	150	0.04
Ex804-T08B	8	60	150	0.04
Ex804-T09B	9	60	150	0.04
Ex804-T10B	10	80	170	0.05
Ex804-T15B	15	80	180	0.07
Ex804-T20B	20	100	200	0.075
Ex804-T25B	25	100	200	0.075
Ex804-T27B	27	115	225	0.12
Ex804-T30B	30	115	225	0.122
Ex804-T40B	40	130	250	0.19
Ex804-T45B	45	130	250	0.195
Ex804-T50B	50	150	270	0.248
Ex804-T55B	55	150	270	0.257
Ex804-T60B	60	150	270	0.333

PASADORES,  
PUNZONES



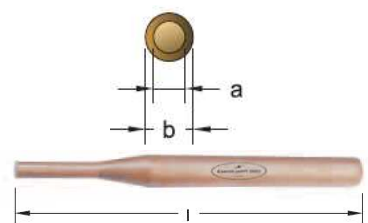
**Ex301 Pasador cilíndrico**

Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)
Ex301-4	4	10	110	0.05	Ex301-14	14	20	180	0.40
Ex301-6	6	12	115	0.08	Ex301-16	16	24	200	0.62
Ex301-7	7	14	120	0.12	Ex301-18	18	30	225	1.05
Ex301-8	8	14	120	0.12	Ex301-20	20	32	225	1.21
Ex301-10	10	16	145	0.20	Ex301-32	32	40	250	2.34
Ex301-12	12	18	160	0.28					



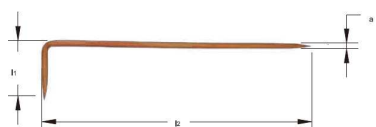
**Ex301C Pasador ahusado recto**

Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)
Ex301C-2	2	10	150	0.08	Ex301C-13	13	18	150	0.29
Ex301C-3	3	10	150	0.08	Ex301C-14	14	18	150	0.30
Ex301C-4	4	10	150	0.08	Ex301C-15	15	20	200	0.49
Ex301C-5	5	10	150	0.08	Ex301C-16	16	20	200	0.50
Ex301C-6	6	10	150	0.09	Ex301C-17	17	22	200	0.60
Ex301C-7	7	12	150	0.13	Ex301C-18	18	22	200	0.61
Ex301C-8	8	12	150	0.13	Ex301C-19	19	24	250	0.89
Ex301C-9	9	14	150	0.17	Ex301C-20	20	24	250	0.91
Ex301C-10	10	14	150	0.18	Ex301C-21	21	26	250	1.05
Ex301C-11	11	16	150	0.23	Ex301C-22	22	26	250	1.07
Ex301C-12	12	16	150	0.23					



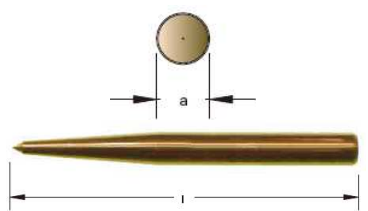
**Ex301P Pasador punzón**

Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)
Ex301P-1.4	1.4	10	110	0.05	Ex301P-4	4	10	150	0.07
Ex301P-1.8	1.8	10	110	0.05	Ex301P-5	5	10	150	0.07
Ex301P-2	2	10	150	0.07	Ex301P-6	6	10	150	0.07
Ex301P-2.4	2.4	10	110	0.05	Ex301P-7	7	12	150	0.11
Ex301P-2.8	2.8	10	110	0.05	Ex301P-8	8	12	150	0.11
Ex301P-3	3	10	150	0.07	Ex301P-10	10	14	150	0.16



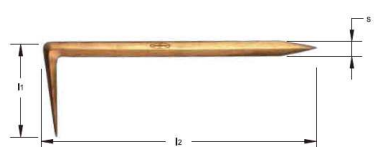
**Ex302 Trazador**

Ref.	a (mm)	l1 (mm)	l2 (mm)	Peso (kg)	Ref.	a (mm)	l1 (mm)	l2 (mm)	Peso (kg)
Ex302-3	3	30	180	0.01	Ex302-5	5	40	210	0.04
Ex302-4	4	35	195	0.02	Ex302-6	6	45	225	0.06



**Ex303 Punzón**

Ref.	a (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	l (mm)	Peso (kg)
Ex303-100	10	100	0.05	Ex303-280	28	280	1.11
Ex303-150	12	150	0.11	Ex303-300	30	300	1.34
Ex303-240	24	240	0.72	Ex303-320	32	320	1.63
Ex303-260	26	260	0.89				



**Ex1302 Alcayata angular**

Ref.	s (mm)	l1 (mm)	l2 (mm)	Peso (kg)	Ref.	s (mm)	l1 (mm)	l2 (mm)	Peso (kg)
Ex1302-300	16	116	300	0.58	Ex1302-600	20	140	600	1.78
Ex1302-500	16	116	500	0.96	Ex1302-800	22	162	800	2.86



**Ex1303 Barra palanca**

Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)
Ex1303-460	30	22	460	1.39	Ex1303-760	35	28	760	3.22
Ex1303-600	35	28	600	2.30	Ex1303-900	35	28	900	3.52

CINCELES



**Ex304 Cincel de mano**

Ref.	a (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	l (mm)	Peso (kg)
Ex304-100	14	100	0.09	Ex304-200	22	200	0.41
Ex304-125	14	125	0.12	Ex304-250	24	250	0.58
Ex304-150	17	150	0.20	Ex304-300	24	300	0.69
Ex304-175	20	175	0.31	Ex304-400	27	400	1.23



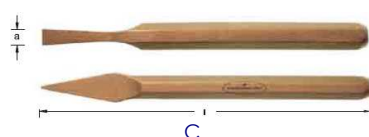
**Ex304A Cincel de seis lados**

Ref.	a (mm)	s (mm)	l (mm)	Peso (kg)
Ex304A-300	16	14	300	0.43



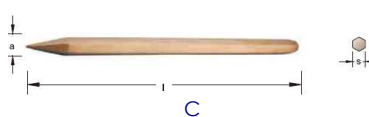
**Ex304S Cincel de ocho lados**

Ref.	a (mm)	s (mm)	l (mm)	Peso (kg)
Ex304S-300	26	18	300	0.67



**Ex305 Cincel pata de cabra**

Ref.	a (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	l (mm)	Peso (kg)
Ex305-125	9	125	0.15	Ex305-200	12	200	0.37
Ex305-150	11	150	0.23	Ex305-250	13	250	0.55
Ex305-175	11	175	0.27	Ex305-300	14	300	0.76



**Ex306 Cincel punta de chispa**

Ref.	a (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	l (mm)	Peso (kg)
Ex306-200	14	200	0.26	Ex306-300	18	300	0.65
Ex306-250	16	250	0.43	Ex306-400	20	400	1.09



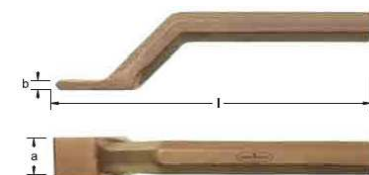
**Ex307 Cincel punta diamante**

Ref.	a (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	l (mm)	Peso (kg)
Ex307-200	14	200	0.26	Ex307-300	18	300	0.65
Ex307-250	16	250	0.43	Ex307-400	20	400	1.09



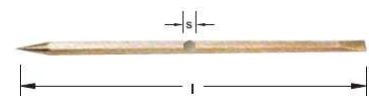
**Ex308 Aguja**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex308-3	3	175	0.01



**Ex308A Herramienta para calafatear**

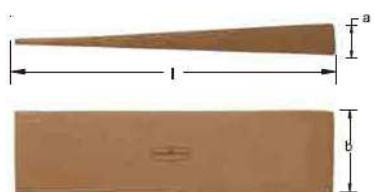
Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)
Ex308A-200	40	10	200	0.40
Ex308A-230	46	11	230	0.60
Ex308A-260	52	13	260	0.87



**Ex308B Herramienta para calafatear**

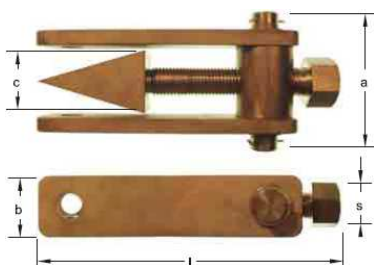
Ref.	s (mm)	l (mm)	Peso (kg)
Ex308B-32-1000	32	1000	6.83
Ex308B-36-1200	36	1200	10.51
Ex308B-36-1500	36	1500	13.03
Ex308B-50-1000	50	1000	16.39
Ex308B-50-1200	50	1200	20.07

**CUÑAS,  
CINCELES,  
SIERRAS**



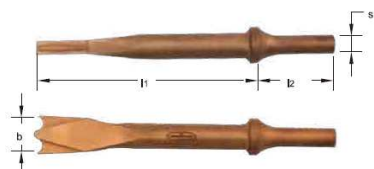
**Ex1101 Cuña**

Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)	Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)
Ex1101-01	6	13	50	0.02	Ex1101-06	25	38	150	0.61
Ex1101-02	9	16	50	0.03	Ex1101-07	31	44	200	1.16
Ex1101-03	13	19	75	0.08	Ex1101-08	34	50	250	1.81
Ex1101-04	16	22	100	0.15	Ex1101-09	44	66	300	3.70
Ex1101-05	22	31	125	0.36					



**Ex1102 Separador de brida**

Ref.	a (mm)	b (mm)	c (mm)	s (mm)	l (mm)	Peso (kg)
Ex1102-60	140	60	60	46	305	6.59



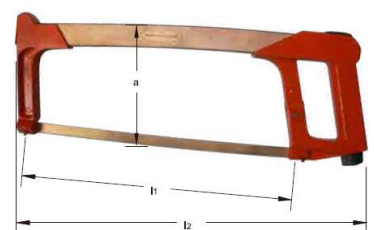
**Ex309CP Cinzel para maquinaria**

Ref.	b (mm)	s (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	Peso (kg)
Ex309CP	21	10	135	40	0.18



**Ex309RP Cinzel para maquinaria**

Ref.	b (mm)	s (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	Peso (kg)
Ex309RP	50	10	136	39	0.22



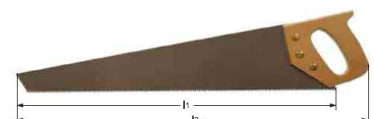
**Ex118A Marco para sierra**

Ref.	a (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	Peso (kg)
Ex118A-300	128	300	395	0.54



**Ex118B Cuchilla de sierra**

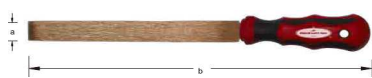
Ref.	a (mm)	l (mm)	Peso (kg)
Ex118B-300	12	300	0.017



**Ex119 Sierra de mano**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex119-600	600	680	0.51

**RASPADORES**



**Ex401 Raspador plano**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex401-18	18	300	0.33
Ex401-30	30	300	0.53



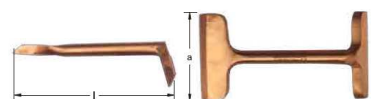
**Ex402 Raspador ángulo**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex402-22	22	200	0.22
Ex402-25	25	300	0.36
Ex402-45	45	225	0.50
Ex402-50	50	300	0.71



**Ex403 Raspador triangular**

Ref.	b (mm)	Peso (kg)
Ex403-300	300	0.31



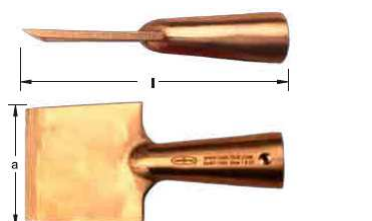
**Ex405 Raspador suelo**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex405-75	75	150	0.36
Ex405-125	125	235	0.99



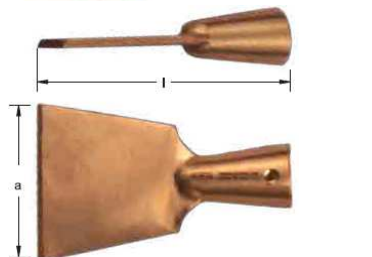
**Ex406 Raspador plato**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex406-150	150	485	0.91



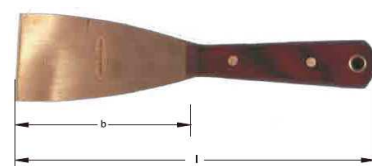
**Ex407 Raspador cuchilla larga (mango aparte)**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex407-60	60	185	0.50
Ex407-100	100	225	1.28
Ex407-125	125	225	1.47
Ex407-150	150	180	1.11



**Ex407S Raspador cuchilla (mango aparte)**

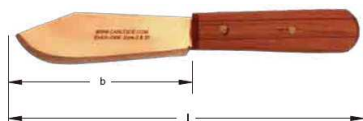
Ref.	a (mm)	l (mm)	Peso (kg)
Ex407S-75	75	115	0.23
Ex407S-125	125	200	0.63



**Ex408 Espátula**

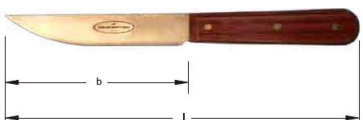
Ref.	a (mm)	l (mm)	Peso (kg)
Ex408-25	25	100	0.05
Ex408-30	30	100	0.05
Ex408-40	40	100	0.07
Ex408-50	50	100	0.08
Ex408-60	60	100	0.09
Ex408-75	75	100	0.10
Ex408-80	80	100	0.11
Ex408-100	100	100	0.13

CUCHILLOS,  
LIMAS,  
TIJERAS



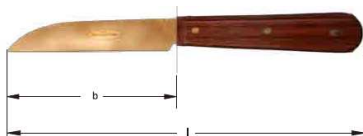
**Ex409 Cuchillo**

Ref.	b (mm)	l (mm)	Peso (kg)
Ex409-200	106	200	0.067



**Ex410 Cuchillo**

Ref.	b (mm)	l (mm)	Peso (kg)
Ex410-250	130	250	0.074



**Ex410S Cuchillo**

Ref.	b (mm)	l (mm)	Peso (kg)
Ex410S-180	80	180	0.059



**Ex411 Lima bastarda de media caña**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex411-100	12	100	0.04
Ex411-125	14	125	0.06
Ex411-150	16	150	0.09
Ex411-200	20	200	0.19
Ex411-250	24	250	0.33
Ex411-300	28	300	0.58
Ex411-350	32	350	0.86
Ex411-400	36	400	1.22



**Ex411R Lima redonda**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex411R-100	3.5	100	0.01
Ex411R-125	4.5	125	0.02
Ex411R-150	5.5	150	0.03
Ex411R-200	7	200	0.07
Ex411R-250	9	250	0.13
Ex411R-300	11	300	0.25
Ex411R-350	14	350	0.46
Ex411R-400	18	400	0.86



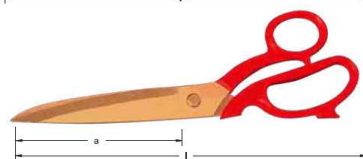
**Ex411F Lima bastarda plana**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex411F-100	12	100	0.04
Ex411F-125	14	125	0.06
Ex411F-150	16	150	0.09
Ex411F-200	20	200	0.19
Ex411F-250	24	250	0.30
Ex411F-300	28	300	0.50
Ex411F-350	32	350	0.76
Ex411F-400	36	400	1.09



**Ex609 Tijeras**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex609-225	97	225	0.37



**Ex609A Tijeras**

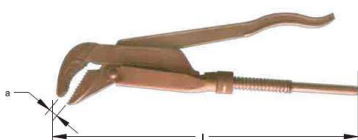
Ref.	a (mm)	l (mm)	Peso (kg)
Ex609A-280	128	280	0.21

**ALICATES**



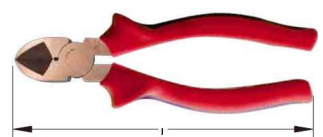
**Ex608 Cizalla**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex608-275	43	275	0.55



**Ex505 Alicates tipo sueco (DIN 5234)**

Ref.	a max (mm)	l (mm)	Peso (kg)
Ex505-1	40	300	0.69
Ex505-1 ½	55	420	1.49
Ex505-2	67	530	3.24



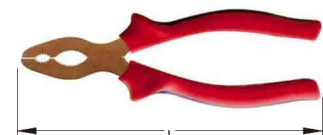
**Ex601 Alicates corte diagonal**

Ref.	l (mm)	Peso (kg)
Ex601-6	160	0.18
Ex601-8	200	0.24



**Ex601HD Alicates corte diagonal industria pesada**

Ref.	l (mm)	Peso (kg)
Ex601HD-6	160	0.17
Ex601HD-7	200	0.21



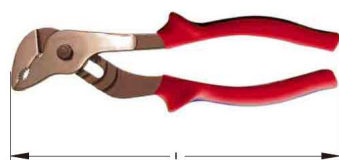
**Ex602 Alicates para tubo**

Ref.	l (mm)	Peso (kg)
Ex602-8	200	0.45



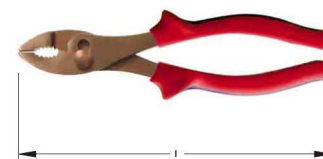
**Ex603 Alicates corte**

Ref.	l (mm)	Peso (kg)
Ex603-7	180	0.32
Ex603-8	200	0.52



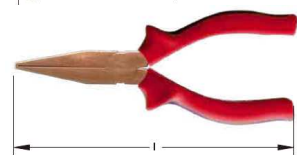
**Ex604 Alicates tipo pelícano**

Ref.	a max (mm)	l (mm)	Peso (kg)
Ex604-10	28	250	0.34
Ex604-12	48	300	0.55
Ex604-14	55	350	1.18
Ex604-16	80	430	1.66



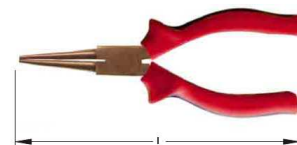
**Ex605 Alicates de combinación ajustable**

Ref.	l (mm)	Peso (kg)
Ex605-8	200	0.21



**Ex606 Alicates para doblar, punta recta (DIN ISO 5745)**

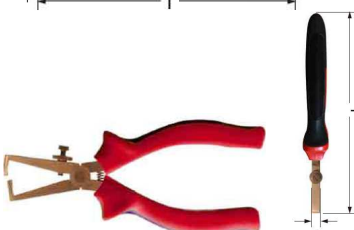
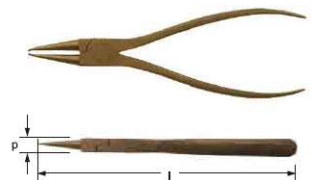
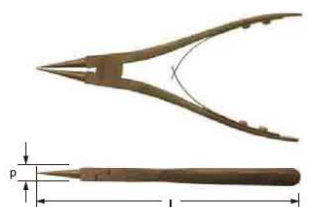
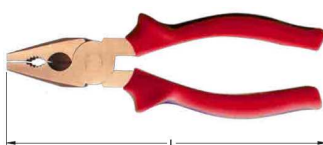
Ref.	l (mm)	Peso (kg)
Ex606-6	150	0.17



**Ex607 Alicates para doblar, punta redonda (DIN ISO 5745)**

Ref.	l (mm)	Peso (kg)
Ex607-6	150	0.14

**ALICATES,  
PALAS**



**Ex610 Pinzas**

Ref.	l (mm)	Peso (kg)
Ex610-100	100	0.022
Ex610-200	200	0.061

**Ex610S Pinzas**

Ref.	l (mm)	Peso (kg)
Ex610S-155	155	0.046

**Ex611 Alicates de punta con corte lateral (DIN ISO 5745)**

Ref.	l (mm)	Peso (kg)
Ex611-6	150	0.16
Ex611-7	180	0.21

**Ex612 Alicates universal con cortador lateral**

Ref.	l (mm)	Peso (kg)
Ex612-6	160	0.25
Ex612-7	180	0.26
Ex612-8	200	0.46

**Ex614 Alicates anillo resorte exterior**

Ref.	∅anillo (mm)	p (mm)	l (mm)	Peso (kg)
Ex614-310B	3-10	7	140	0.085
Ex614-1025B	10-25	7	140	0.085
Ex614-1960B	19-60	9	180	0.125
Ex614-40100B	40-100	11	225	0.245
Ex614-85165B	85-165	14	305	0.620
Ex614-123600B	125-300	17	500	1.225

**Ex615 Alicates anillo resorte interior**

Ref.	∅anillo (mm)	p (mm)	l (mm)	Peso (kg)
Ex615-825B	8-25	7	140	0.065
Ex615-1960B	19-60	9	180	0.135
Ex615-40100B	40-100	11	220	0.250
Ex615-85165B	85-165	15	270	0.465
Ex615-125300B	125-300	17	500	1.120

**Ex616 Alicates pelacables**

Ref.	∅anillo (mm)	p (mm)	l (mm)	Peso (kg)
Ex616-155B	0.5-5	8	155	0.122

**Ex1004 Recogedor**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex1004-120	120	200	0.36

**Ex1005 Pala punta cuadrada con mango largo**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex1005-250	250	300	1.16

**Ex1006 Pala punta redonda con mango largo**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex1006-243	243	300	1.28

**Ex1007 Pala borde afilado y mango en 'D'**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex1007-180	180	285	1.19

**PICOS,  
RASTRILLOS,  
CEPILLOS**



**Ex1008 Pico tipo minería**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex1008-420	420	25	1.20
Ex1008-560	560	30	2.06
Ex1008-640	640	35	4.47



**Ex1009 Rastrillo**

Ref.	a (mm)	Peso (kg)
Ex1009-300	300	0.33



**Ex1010 Tridente jardín**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex1010-175	175	280	1.86



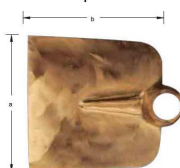
**Ex1013 Abridor toneles carburo**

Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)
Ex1013-310	45	75	310	0.71



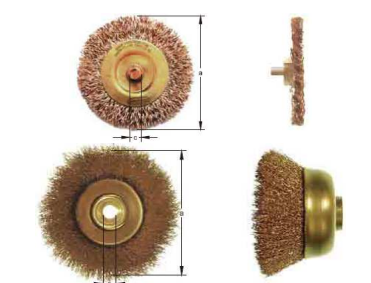
**Ex1014 Pico con espátula**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex1014-400	75	400	1.56



**Ex1015 Azada (mango incluido)**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex1015-200	200	200	1.88

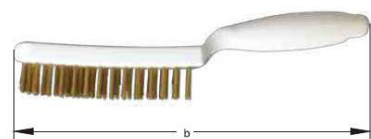


**Ex999 Cepillo rueda**

Ref.	a (mm)	c (mm)	Peso (kg)
Ex999-100	75	6	0.07

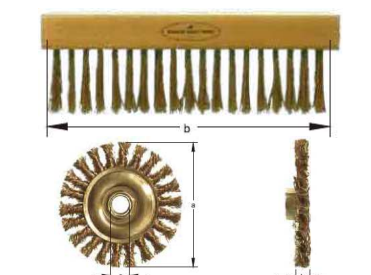
**Ex1000 Cepillo tipo taza**

Ref.	a (mm)	c (pulgadas)	Peso (kg)
Ex1000-100	100	1/2	0.42
Ex1000-150	150	5/8	0.57



**Ex1001 Cepillo mango recto para raspar**

Ref.	Filas	b (mm)	Peso (kg)
Ex1001-3	3	280	0.15
Ex1001-4	4	280	0.20



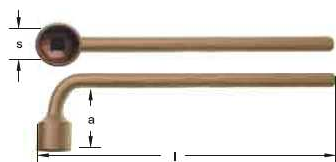
**Ex1002 Cepillo respaldo recto para raspar**

Ref.	Filas	b (mm)	Peso (kg)
Ex1002-5	5	185	0.3

**Ex1003 Cepillo rueda**

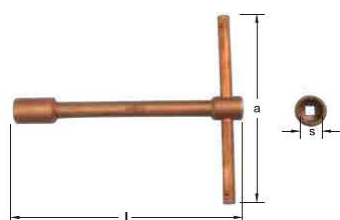
Ref.	a (mm)	b (mm)	c (pulgadas)	Peso (kg)
Ex1003-125	125	20	1/2	0.36

LLAVES



**Ex701 Llave de tubo (tipo L seis puntos)**

Ref.	S (mm)	a (mm)	l (mm)	Peso (kg)
Ex701-6	6	23	95	0.037
Ex701-8	8	37	107	0.10
Ex701-9	9	37	107	0.10
Ex701-10	10	37	107	0.12
Ex701-11	11	37	161	0.15
Ex701-12	12	37	161	0.15
Ex701-13	13	37	161	0.17
Ex701-14	14	37	161	0.16
Ex701-17	17	52	211	0.30
Ex701-19	19	52	211	0.35
Ex701-21	21	57	211	0.37
Ex701-22	22	57	211	0.35
Ex701-23	23	57	240	0.41
Ex701-24	24	57	240	0.40
Ex701-27	27	57	240	0.47
Ex701-28	28	57	240	0.46
Ex701-29	29	57	240	0.46
Ex701-30	30	65	260	0.84
Ex701-32	32	65	260	0.81



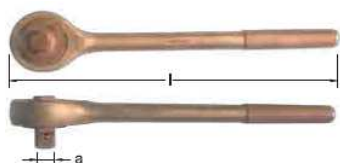
**Ex702 Llave de tubo (tipo T doce puntos)**

Ref.	S (mm)	a (mm)	l (mm)	Peso (kg)
Ex702-14	14	200	170	0.58
Ex702-19	19	200	230	0.72
Ex702-22	22	250	260	0.97
Ex702-24	24	250	260	0.95
Ex702-30	30	260	260	1.04
Ex702-32	32	280	280	1.12
Ex702-36	36	280	280	1.71



**Ex1501 Llave de trinquete**

Ref.	a (pulgadas)	l (mm)	Peso (kg)
Ex1501AA	1/4	150	0.20
Ex1501A	3/8	200	0.22
Ex1501B	1/2	250	0.45
Ex1501C	3/4	320	1.00
Ex1501D	1	325	1.50



**Ex1501S Llave de trinquete**

Ref.	a (pulgadas)	l (mm)	Peso (kg)
Ex1501SAA	1/4	150	0.16
Ex1501SB	1/2	260	0.6
Ex1501SC	3/4	390	2.28
Ex1501SD	1	600	3.4



**Ex1502 Barra deslizadora**

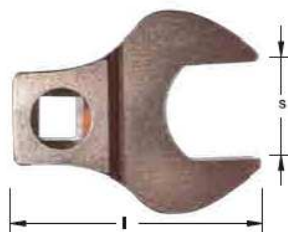
Ref.	a (pulgadas)	l (mm)	Peso (kg)
Ex1502AA	1/4	150	0.068
Ex1502A	3/8	180	0.22
Ex1502B	1/2	250	0.37
Ex1502C	3/4	400	1.31
Ex1502D	1	400	1.62



**Ex1401TB Llave de vaso**

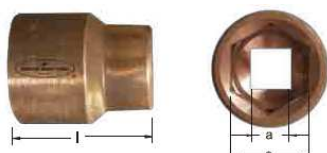
Ref.	a (pulgadas)	l (mm)	Peso (kg)
Ex1401TB-B	1/2	463	1.38

LLAVES



**Ex1514B Llave pata de cuervo**

Ref.	S (mm)	l (mm)	Peso (kg)	Ref.	S (mm)	l (mm)	Peso (kg)
Ex1514B-8	8	40	0.02	Ex1514B-18	18	56	0.10
Ex1514B-10	10	43	0.02	Ex1514B-19	19	60	0.10
Ex1514B-11	11	43	0.02	Ex1514B-21	21	60	0.10
Ex1514B-12	12	47	0.04	Ex1514B-22	22	64	0.12
Ex1514B-13	13	47	0.08	Ex1514B-24	24	67	0.15
Ex1514B-14	14	50	0.08	Ex1514B-27	27	71	0.20
Ex1514B-15	15	50	0.10	Ex1514B-30	30	84	0.33
Ex1514B-16	16	56	0.10	Ex1514B-32	32	84	0.33
Ex1514B-17	17	56	0.10				



**Ex1503AA Llave de tubo 1/4"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1503AA-3	1/4	3	23	0.01	Ex1503AA-9	1/4	9	23	0.02
Ex1503AA-4	1/4	4	23	0.01	Ex1503AA-10	1/4	10	23	0.02
Ex1503AA-5	1/4	5	23	0.01	Ex1503AA-11	1/4	11	25	0.02
Ex1503AA-6	1/4	6	23	0.01	Ex1503AA-12	1/4	12	25	0.03
Ex1503AA-7	1/4	7	23	0.01	Ex1503AA-13	1/4	13	25	0.03
Ex1503AA-8	1/4	8	23	0.02	Ex1503AA-14	1/4	14	25	0.03

**Ex1503A Llave de tubo 3/8"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1503A-6	3/8	6	31	0.02	Ex1503A-15	3/8	15	34	0.06
Ex1503A-7	3/8	7	31	0.02	Ex1503A-16	3/8	16	34	0.06
Ex1503A-8	3/8	8	31	0.02	Ex1503A-17	3/8	17	34	0.06
Ex1503A-9	3/8	9	31	0.02	Ex1503A-18	3/8	18	34	0.07
Ex1503A-10	3/8	10	31	0.03	Ex1503A-19	3/8	19	34	0.07
Ex1503A-11	3/8	11	31	0.04	Ex1503A-20	3/8	20	38	0.08
Ex1503A-12	3/8	12	31	0.04	Ex1503A-21	3/8	21	38	0.08
Ex1503A-13	3/8	13	31	0.04	Ex1503A-22	3/8	22	38	0.09
Ex1503A-14	3/8	14	31	0.05					

**Ex1503B Llave de tubo 1/2"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1503B-6	1/2	6	38	0.07	Ex1503B-20	1/2	20	38	0.11
Ex1503B-7	1/2	7	38	0.07	Ex1503B-21	1/2	21	38	0.11
Ex1503B-8	1/2	8	38	0.08	Ex1503B-22	1/2	22	38	0.12
Ex1503B-9	1/2	9	38	0.08	Ex1503B-23	1/2	23	38	0.13
Ex1503B-10	1/2	10	38	0.08	Ex1503B-24	1/2	24	38	0.14
Ex1503B-11	1/2	11	38	0.08	Ex1503B-25	1/2	25	38	0.14
Ex1503B-12	1/2	12	38	0.08	Ex1503B-26	1/2	26	38	0.16
Ex1503B-13	1/2	13	38	0.08	Ex1503B-27	1/2	27	40	0.18
Ex1503B-14	1/2	14	38	0.08	Ex1503B-28	1/2	28	40	0.20
Ex1503B-15	1/2	15	38	0.08	Ex1503B-29	1/2	29	40	0.20
Ex1503B-16	1/2	16	38	0.09	Ex1503B-30	1/2	30	42	0.21
Ex1503B-17	1/2	17	38	0.10	Ex1503B-31	1/2	31	42	0.23
Ex1503B-18	1/2	18	38	0.11	Ex1503B-32	1/2	32	42	0.23
Ex1503B-19	1/2	19	38	0.11					

LLAVES



**Ex1503C Llave de tubo 3/4"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1503C-19	3/4	19	49	0.24	Ex1503C-35	3/4	35	54	0.46
Ex1503C-20	3/4	20	49	0.24	Ex1503C-36	3/4	36	56	0.46
Ex1503C-21	3/4	21	49	0.24	Ex1503C-37	3/4	37	56	0.51
Ex1503C-22	3/4	22	49	0.25	Ex1503C-38	3/4	38	56	0.51
Ex1503C-23	3/4	23	49	0.26	Ex1503C-39	3/4	39	56	0.58
Ex1503C-24	3/4	24	49	0.26	Ex1503C-40	3/4	40	60	0.62
Ex1503C-25	3/4	25	49	0.26	Ex1503C-41	3/4	41	60	0.62
Ex1503C-26	3/4	26	50	0.26	Ex1503C-42	3/4	42	60	0.62
Ex1503C-27	3/4	27	50	0.26	Ex1503C-43	3/4	43	60	0.68
Ex1503C-28	3/4	28	50	0.26	Ex1503C-44	3/4	44	66	0.68
Ex1503C-29	3/4	29	50	0.26	Ex1503C-45	3/4	45	66	0.80
Ex1503C-30	3/4	30	50	0.28	Ex1503C-46	3/4	46	66	0.82
Ex1503C-31	3/4	31	54	0.28	Ex1503C-47	3/4	47	66	0.84
Ex1503C-32	3/4	32	54	0.31	Ex1503C-48	3/4	48	68	0.87
Ex1503C-33	3/4	33	54	0.32	Ex1503C-49	3/4	49	68	0.90
Ex1503C-34	3/4	34	54	0.38	Ex1503C-50	3/4	50	68	0.92

**Ex1503D Llave de tubo 1"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1503D-32	1	32	70	0.52	Ex1503D-60	1	60	78	1.42
Ex1503D-36	1	36	70	0.66	Ex1503D-65	1	65	78	1.68
Ex1503D-41	1	41	70	0.77	Ex1503D-70	1	70	78	2.10
Ex1503D-46	1	46	70	0.89	Ex1503D-75	1	75	78	2.36
Ex1503D-50	1	50	70	0.96	Ex1503D-80	1	80	78	2.68
Ex1503D-55	1	55	70	1.22					

**Ex1610 Llave de tubo larga 1/4"**

**Ex1620 Llave de tubo larga 3/8"**



Ref.	s (mm)	Ref.	s (mm)	Ref.	s (mm)	Ref.	s (mm)
Ex1610-3	3	Ex1610-8	8	Ex1620-6	6	Ex1620-16	16
Ex1610-4	4	Ex1610-9	9	Ex1620-7	7	Ex1620-17	17
Ex1610-4.5	4.5	Ex1610-10	10	Ex1620-8	8	Ex1620-18	18
Ex1610-5	5	Ex1610-11	11	Ex1620-9	9	Ex1620-19	19
Ex1610-5.5	5.5	Ex1610-12	12	Ex1620-10	10	Ex1620-20	20
Ex1610-6	6	Ex1610-13	13	Ex1620-11	11	Ex1620-21	21
Ex1610-7	7	Ex1610-14	14	Ex1620-12	12	Ex1620-22	22
				Ex1620-13	13	Ex1620-23	23
				Ex1620-14	14	Ex1620-24	24
				Ex1620-15	15	Ex1620-25	25

**Ex1630 Llave de tubo larga 1/2"**

**Ex1640 Llave de tubo larga 3/4"**

Ref.	s (mm)	Ref.	s (mm)	Ref.	s (mm)	Ref.	s (mm)
Ex1630-6	6	Ex1630-20	20	Ex1640-19	19	Ex1640-37	37
Ex1630-7	7	Ex1630-21	21	Ex1640-20	20	Ex1640-38	38
Ex1630-8	8	Ex1630-22	22	Ex1640-21	21	Ex1640-39	39
Ex1630-9	9	Ex1630-23	23	Ex1640-22	22	Ex1640-40	40
Ex1630-10	10	Ex1630-24	24	Ex1640-23	23	Ex1640-41	41
Ex1630-11	11	Ex1630-25	25	Ex1640-24	24	Ex1640-42	42
Ex1630-12	12	Ex1630-26	26	Ex1640-25	25	Ex1640-43	43
Ex1630-13	13	Ex1630-27	27	Ex1640-26	26	Ex1640-44	44
Ex1630-14	14	Ex1630-28	28	Ex1640-27	27	Ex1640-45	45
Ex1630-15	15	Ex1630-29	29	Ex1640-28	28	Ex1640-46	46
Ex1630-16	16	Ex1630-30	30	Ex1640-29	29	Ex1640-47	47
Ex1630-17	17	Ex1630-32	32	Ex1640-30	30	Ex1640-48	48
Ex1630-18	18	Ex1630-36	36	Ex1640-31	31	Ex1640-49	49
Ex1630-19	19			Ex1640-32	32	Ex1640-50	50
				Ex1640-33	33	Ex1640-52	52
				Ex1640-34	34	Ex1640-55	55
				Ex1640-35	35	Ex1640-60	60
				Ex1640-36	36		

LLAVES



**Ex1650 Llave de tubo larga 1"**

Ref.	S (mm)	Ref.	S (mm)	Ref.	S (mm)
Ex1650-32	32	Ex1650-60	60	Ex1650-85	85
Ex1650-36	36	Ex1650-65	65	Ex1650-90	90
Ex1650-41	41	Ex1650-70	70	Ex1650-95	95
Ex1650-46	46	Ex1650-75	75	Ex1650-100	100
Ex1650-50	50	Ex1650-80	80	Ex1650-105	105
Ex1650-55	55				



**Ex1720 Llave de tubo de impacto 3/8"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1720-7	3/8	7	31	0.049	Ex1720-14	3/8	14	31	0.066
Ex1720-8	3/8	8	31	0.049	Ex1720-15	3/8	15	34	0.068
Ex1720-9	3/8	9	31	0.049	Ex1720-16	3/8	16	34	0.077
Ex1720-10	3/8	10	31	0.049	Ex1720-17	3/8	17	34	0.082
Ex1720-11	3/8	11	31	0.048	Ex1720-18	3/8	18	34	0.087
Ex1720-12	3/8	12	31	0.046	Ex1720-19	3/8	19	34	0.092
Ex1720-13	3/8	13	31	0.066					

**Ex1730 Llave de tubo de impacto 1/2"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1730-8	1/2	8	40	0.11	Ex1730-18	1/2	18	40	0.16
Ex1730-9	1/2	9	40	0.11	Ex1730-19	1/2	19	40	0.17
Ex1730-10	1/2	10	40	0.11	Ex1730-21	1/2	21	40	0.18
Ex1730-11	1/2	11	40	0.11	Ex1730-22	1/2	22	40	0.20
Ex1730-12	1/2	12	40	0.11	Ex1730-24	1/2	24	40	0.19
Ex1730-13	1/2	13	40	0.11	Ex1730-27	1/2	27	40	0.21
Ex1730-14	1/2	14	40	0.11	Ex1730-28	1/2	28	40	0.22
Ex1730-15	1/2	15	40	0.17	Ex1730-29	1/2	29	40	0.22
Ex1730-16	1/2	16	40	0.17	Ex1730-30	1/2	30	40	0.24
Ex1730-17	1/2	17	40	0.17					

**Ex1740 Llave de tubo de impacto 3/4"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1740-17	3/4	19	49	0.47	Ex1740-27	3/4	30	50	0.50
Ex1740-18	3/4	21	49	0.47	Ex1740-28	3/4	32	54	0.57
Ex1740-19	3/4	22	49	0.47	Ex1740-29	3/4	34	54	0.60
Ex1740-21	3/4	23	49	0.47	Ex1740-30	3/4	36	56	0.66
Ex1740-22	3/4	24	49	0.51	Ex1740-32	3/4	41	58	0.78
Ex1740-23	3/4	27	50	0.48	Ex1740-34	3/4	46	63	0.96
Ex1740-24	3/4	29	50	0.47					

**Ex1750 Llave de tubo de impacto 1"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1750-22	1	22	60	0.80	Ex1750-42	1	42	70	1.20
Ex1750-24	1	24	60	0.81	Ex1750-43	1	43	70	1.26
Ex1750-27	1	27	60	0.81	Ex1750-46	1	46	70	1.26
Ex1750-30	1	30	63	0.86	Ex1750-50	1	50	70	1.36
Ex1750-32	1	32	63	0.86	Ex1750-55	1	55	74	1.58
Ex1750-34	1	34	63	0.84	Ex1750-60	1	60	78	1.82
Ex1750-36	1	36	67	0.96	Ex1750-65	1	65	78	1.97
Ex1750-38	1	38	67	1.01	Ex1750-70	1	70	78	2.10
Ex1750-41	1	41	70	1.13					

**Ex1760 Llave de tubo de impacto 1-1/2"**

Ref.	a (")	s (mm)	l (mm)	Peso (kg)	Ref.	a (")	s (mm)	l (mm)	Peso (kg)
Ex1760-36	1 1/2	36	78	2.65	Ex1760-55	1 1/2	55	90	2.95
Ex1760-41	1 1/2	41	80	2.72	Ex1760-60	1 1/2	60	95	3.04
Ex1760-46	1 1/2	46	84	2.84	Ex1760-65	1 1/2	65	100	3.79
Ex1760-50	1 1/2	50	87	2.90	Ex1760-70	1 1/2	70	105	4.33

LLAVES

**Llave de tubo de impacto larga**

**Ex1820 Llave 3/8"**



Ref.	s (mm)
Ex1820-7	7
Ex1820-8	8
Ex1820-9	9
Ex1820-10	10
Ex1820-11	11
Ex1820-12	12
Ex1820-13	13

**Ex1830 Llave 1/2"**

Ref.	s (mm)	Ref.	s (mm)
Ex1830-6	6	Ex1830-19	19
Ex1830-7	7	Ex1830-20	20
Ex1830-8	8	Ex1830-21	21
Ex1830-9	9	Ex1830-22	22
Ex1830-10	10	Ex1830-23	23
Ex1830-11	11	Ex1830-24	24
Ex1830-12	12	Ex1830-25	25
Ex1830-13	13	Ex1830-26	26
Ex1830-14	14	Ex1830-27	27
Ex1830-15	15	Ex1830-28	28
Ex1830-16	16	Ex1830-29	29
Ex1830-17	17	Ex1830-30	30
Ex1830-18	18	Ex1830-32	32

**Ex1850 Llave 1"**

Ref.	s (mm)
Ex1850-22	22
Ex1850-24	24
Ex1850-27	27
Ex1850-30	30
Ex1850-32	32
Ex1850-34	34
Ex1850-36	36
Ex1850-38	38
Ex1850-41	41

**Ex1860 Llave 1-1/2"**

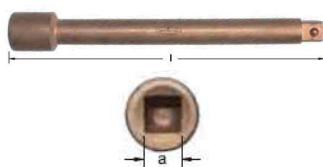
Ref.	s (mm)	Ref.	s (mm)
Ex1860-36	36	Ex1860-55	55
Ex1860-41	41	Ex1860-60	60
Ex1860-46	46	Ex1860-65	65
Ex1860-50	50	Ex1860-70	70

**Ex1504S Llave destornillador con mango**



Ref.	a (")	l (mm)	Peso (kg)	Ref.	a (")	l (mm)	Peso (kg)
Ex1504SAA	1/4	70	0.026	Ex1504SA	3/8	115	0.087

**Ex1504 Barra extensión**



Ref.	a (")	l (mm)	Peso (kg)	Ref.	a (")	l (mm)	Peso (kg)
Ex1504AA-100	1/4	100	0.054	Ex1504B-250	1/2	250	0.48
Ex1504AA-200	1/4	200	0.096	Ex1504C-100	3/4	100	0.58
Ex1504A-75	3/8	75	0.07	Ex1504C-200	3/4	200	0.96
Ex1504A-150	3/8	150	0.15	Ex1504C-250	3/4	250	1.14
Ex1504B-100	1/2	100	0.26	Ex1504D-100	1	100	1.00
Ex1504B-200	1/2	200	0.41	Ex1504D-250	1	250	1.94

**Ex1505 Llave rápida manivela**



Ref.	a (")	l (mm)	Peso (kg)	Ref.	a (")	l (mm)	Peso (kg)
Ex1505B	1/2	380	0.58	Ex1505D	1	425	1.55

**Ex1506 Llave manivela con bisagras**



Ref.	a (")	l (mm)	Peso (kg)	Ref.	a (")	l (mm)	Peso (kg)
Ex1506AA	1/4	145	0.13	Ex1506BL	1/2	360	0.73
Ex1506A	3/8	200	0.22	Ex1506C	3/4	360	1.20
Ex1506B	1/2	270	0.56	Ex1506D	1	360	1.87

**Ex1507 Junta universal**



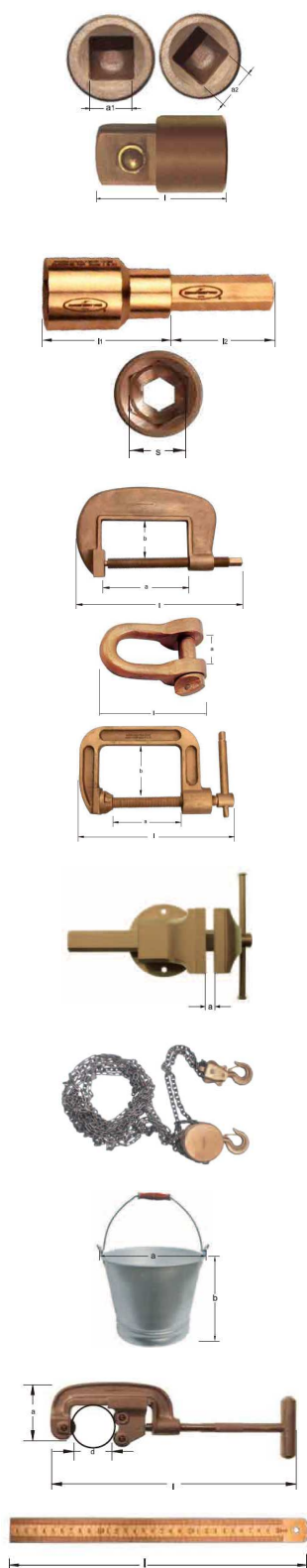
Ref.	a (")	Peso (kg)	Ref.	a (")	Peso (kg)
Ex1507AA	1/4	0.03	Ex1507C	3/4	0.57
Ex1507A	3/8	0.08	Ex1507D	1	1.10
Ex1507B	1/2	0.16			

**Ex1508 Mango acodado**



Ref.	a (")	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	Peso (kg)	Ref.	a (")	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	Peso (kg)
Ex1508A	3/8	168	50	0.30	Ex1508C	3/4	240	60	0.75
Ex1508B	1/2	184	55	0.42	Ex1508D	1	275	65	1.12

**LLAVES,  
VARIOS**



**Ex1509 Adaptador/Convertidor**

Ref.	a <sub>1</sub> (")	a <sub>2</sub> (")	l (mm)	Peso (kg)	Ref.	a <sub>1</sub> (")	a <sub>2</sub> (")	l (mm)	Peso (kg)
Ex1509AA-A	1/4	3/8	25	0.1	Ex1509B-C	1/2	3/4	49	0.14
Ex1509A-AA	3/8	1/4	29	0.1	Ex1509C-B	3/4	1/2	55	0.2
Ex1509A-B	3/8	1/2	35	0.1	Ex1509C-D	3/4	1	64	0.32
Ex1509B-A	1/2	3/8	40	0.1	Ex1509D-C	1	3/4	68	0.44

**Ex209HB Llave vaso tubular**

Ref.	s (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	Peso (kg)	Ref.	s (mm)	l <sub>1</sub> (mm)	l <sub>2</sub> (mm)	Peso (kg)
Ex209HB-5	5	39	41	0.10	Ex209HB-12	12	39	46	0.10
Ex209HB-6	6	39	41	0.10	Ex209HB-13	13	39	46	0.10
Ex209HB-7	7	39	46	0.10	Ex209HB-14	14	40	54	0.10
Ex209HB-8	8	39	46	0.10	Ex209HB-15	15	40	54	0.10
Ex209HB-9	9	39	46	0.10	Ex209HB-16	16	40	54	0.10
Ex209HB-10	10	39	46	0.10	Ex209HB-17	17	40	54	0.10
Ex209HB-11	11	39	46	0.10					

**Ex211 Abrazadera conexión a tierra**

Ref.	a (mm)	b (mm)	l (mm)	Peso (kg)
Ex211-160	160	69.5	310	3.57

**Ex900 Mosquetón**

Ref.	a (mm)	l (mm)	Peso (kg)
Ex900-30	30	78	1.68

**Ex901 Abrazadera tipo C**

Ref.	a max (mm)	b (mm)	l (mm)	Peso (kg)
Ex2901-100	100	70	309	1.71

**Ex902 Tornillo paralelo de combinación**

Ref.	a max (mm)	Peso (kg)	Ref.	a max (mm)	Peso (kg)	Ref.	a max (mm)	Peso (kg)
Ex902-4	100	14.64	Ex902-5	125	16.20	Ex902-7	170	17.00

**Ex903 Cadena polea**

Ref.	Ex903-0.5	Ex903-1	Ex903-1.5	Ex903-2	Ex903-3	Ex903-5
Carga (Tm)	0.5	1	1.5	2	.	5

**Ex903T Mecanismo para polea (una vía)**

Ref	Ex903T-2	Ex903T-3	Ex903T-5
Capacidad carga (Tm)	2	3	5
l	88-146	100-154	114-170

**Ex1017 Cubo**

Ref.	a (mm)	b (mm)	Peso (kg)
Ex1017-300	300	250	0.58

**Ex1512 Cortador de tubo**

Ref.	a (mm)	d max (mm)	l (mm)	Peso (kg)
Ex1512-60	92	60	445	3.27

**Ex1601 Regla**

Ref.	l (mm)	Peso (kg)	Ref.	l (mm)	Peso (kg)
Ex1601-300	335	0.07	Ex1601-500	543	0.11

**KITS**

**Kit destornilladores**

Ref	Descripción	Composición
Ex209S-Kit-7	Kit destornillador Allen	2,3,4,5,6,8,10
Ex209LS-Kit-7	Kit destornillador Allen largo	2,3,4,5,6,8,10
Ex804-Kit-5	Kit destornillador torx	T10,T15,T20,T25,T30
Ex801-Kit-B	Kit destornillador CuBe (con maleta)	Ex801-4150, Ex801-6100, Ex801-8150, Ex801-10200, Ex803-1B, Ex803-2B, Ex803-3B

**Kit llaves**

Ref	Descripción	Composición
Ex206-Kit-9	Kit llave doble combinada (9 llaves)	6,7,8,10,13,15,17,18,19
Ex206-Kit-11	Kit llave doble combinada (11 llaves)	10,13,15,17,18,19,21,22,24,27,30
Ex206-Kit-14	Kit llave doble combinada (14 llaves)	10,11,12,13,14,15,16,17,18,19,20,21,22,24
Ex209-Kit-7	Kit llave Allen CuBe (7 llaves y bolsa)	1,5,2,2,5,3,4,5,6
Ex209-Kit-9	Kit llave Allen CuBe (9 llaves y bolsa)	1,5,2,2,5,3,4,5,6,8,10
Ex203-Kit-8	Kit llave doble de boca (8 llaves)	6x7,8x9,10x11,12x13,14x15,16x17,18x20,19x22
Ex203-Kit-12	Kit llave doble de boca (12 llaves)	6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22,21x23,24x26,27x32,30x34
Ex202F-Kit-8	Kit llave estrella doble plana (8 llaves)	6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22
Ex202F-Kit-12	Kit llave estrella doble plana (12 llaves)	6x7,8x9,10x11,12x13,14x15,16x17,18x19,20x22,21x23,24x26,27x32,30x34

**Kit llaves de tubo**

Ref	Descripción	Composición
Ex1520-Kit-14	Kit llaves tubo ¼" con maleta (14 elementos)	Llaves Ex1503AA-4 a Ex1503AA-13 Ex1501S-A, Ex1502-AA, Ex1504AA-100, Ex1506AA
Ex1530-Kit-27	Kit llaves tubo ½" con caja (27 elementos)	Llaves Ex1503B-8,10-24,26,27,28,30,32 Ex1501SB, Ex1506B, Ex1504B-100, Ex1504B-250, Ex1502B, Ex1507B
Ex1540-Kit-13	Kit llaves tubo ¾" con caja (16 elementos)	Llaves Ex1503C-22,24,27,30,32,36,41,46,50 Ex1501SC, Ex1502C, Ex1504C-250, Ex1506C
Ex1500*	Caja llaves de tubo con set de llaves	Ex1503B, Ex1501BS, Ex1502B, Ex1504B100, Ex1504B-200, Ex1506B, Ex1507B

\*Personalizable bajo demanda

**Kit marino con caja**

Ref	Contenido	Uds.	Descripción	Contenido	Uds.	Descripción
Ex2200-Kit	Ex1303-900	1	Barra palanca	Ex406-150	3	Raspador cuchilla larga
	Ex501-10	1	Llave boca ajustable	Ex801-10200	1	Destornillador
	Ex501-12	1	Llave boca ajustable	Ex803-3	1	Destornillador Phillips
	Ex501-14	1	Llave boca ajustable	Ex1005-250	2	Pala punta cuadrada
	Ex101-450	1	Martillo bola	Ex305-200	1	Cinzel pata cabra
	Ex101-900	1	Martillo bola	Ex306-300	1	Cinzel punta chispa
	Ex106-400	3	Pico calderero	Ex502-10	1	Llave tubería
	Ex104-2000	1	Martillo octogonal	Ex502-14	1	Llave tubería
	Ex402-50	3	Raspador ángulo	Ex502-18	1	Llave tubería
Ex407-20	3	Raspador cuchilla				

**KITS**

**Kit 'HazMat' materiales peligrosos**

Ref	Contenido	Uds.	Descripción	Contenido	Uds.	Descripción
Ex2300-Haz	Ex122-500	1	Martillo de uña	Ex502-14	1	Llave tubería
	Ex113S-230	1	Martillo/palanca	Ex605-8	1	Alicates ajustables
	Ex405-125	1	Raspador suelo	Ex604-12	1	Alicates tipo pelícano
	Ex406-150	1	Raspador cuchilla larga	Ex611-7	1	Alicates punta
	Ex408-25	1	Espátula	Ex608-275	1	Cizalla
	Ex410-250	1	Cuchillo	Ex801-8150	1	Destornillador
	Ex501-8	1	Llave boca ajustable	Ex803-3	1	Destornillador Phillips
	Ex501-12	1	Llave boca ajustable	Ex1001-BR	1	Cepillo para raspar



**Kit varios**

Ref	Descripción	Composición
Ex2204-Kit	Kit 5 elementos con bolsa	Ex801-6100, Ex605-8, Ex113S-230, Ex501-8
Ex2206-Kit	Kit 7 elementos con bolsa	Ex801-6100, Ex605-8, Ex113S-230, Ex501-8, Ex803-2B, Ex604-10
Ex2211-Kit	Kit 11 elementos con maleta	Ex408-25, Ex501-6, Ex502-10, Ex504-10, Ex604-10, Ex605-8, Ex122-500, Ex803-2, Ex801-6100, Ex1001-4BR



**Kit herramientas en caja de madera**

Ref	Contenido	Uds.	Contenido	Uds.	Ref	Contenido	Uds.	Contenido	Uds.
Ex2000*	Ex101-0500	1	Ex501-250	1	Ex3000*	Ex101-0500	1	Ex304-200	1
	Ex104-2500	1	Ex501-375	1		Ex104-2500	1	Ex305-200	1
	Ex106-0400	2	Ex502-300	1		Ex1041-1000	1	Ex402-25	2
	Ex207-50	1	Ex604-250	1		Ex202-1922	1	Ex403-300	1
	Ex301-1016145	1	Ex801-8150	1		Ex202-2732	1	Ex501-200	1
	Ex304-200	1	Ex1001-3	2		Ex203-2227	1	Ex501-250	1
	Ex402B-40	2	Ex1004-200	2		Ex203-3236	1	Ex502-250	1
	Ex403-300	1	Ex1301-500	1		Ex203-4146	1	Ex502-300	1
Ex404-75	2			Ex205-27		1	Ex602-200	1	
				Ex205-32		1	Ex801-8150	1	
				Ex205-36		1	Ex801-10200	1	
				Ex205-41		1	Ex1002-5	1	
				Ex205-46		1	Ex1004-200	1	
				Ex205-50		1	Ex1301-500	1	
				Ex205-55		1			

\*Personalizable bajo demanda



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