



# HERRAMIENTAS ANTI-CHISPA



# ¿QUÉ SON LAS HERRAMIENTAS ANTI-CHISPA?

Las herramientas anti-chispa están fabricadas en aleaciones que tienen menos fuerza de tracción (resistencia) que el acero, son más blandas y se desgastan más rápido.

## Materiales:

- Aluminio-bronce (AL-BR), Cobre-berilio (CU-BE)
- Herramientas de cobre o latón; tienen menos dureza que las de CU-BE. \*CU-BE: mayor dureza >> **mayor par de apriete**, mayor vida útil.  
\*CU-BE es 100% no magnética >> apropiado para entornos marinos o aplicaciones médicas.  
\*Las herramientas hechas con CU-BE cuestan más que las herramientas Al-Br  
\*El Berilio es considerado peligroso. Hay que tener precaución con el polvo o vapor de Berilio

**AL-BR**



**CU-BE**



**Directiva 1999/92/CE:** Cubre la seguridad de los empleados en la instalación, funcionamiento y mantenimiento de las centros de trabajo con riesgo de explosión (Equivalencias nacionales: RD 681/2003 (España), D2002-1553 y 2002-1554 (Francia), S.I. 2002:2776 (Reino Unido)...)

**Directiva 2014/34/CE:** Nuestra gama de herramienta Bahco Anti-chispa se fabrica de acuerdo a estándares internacionales de DIN e ISO en términos de dimensiones, capacidades de abertura, pesos.

La capacidad de corte, resistencia y dureza están adaptados a la aplicación.

# NORMAS DE APLICACIÓN

Desde el 1 de Julio del 2003, es obligatorio evaluar todos los riesgos de explosión de una planta y clasificarlos en conformidad con la ATEX 1999 y que todo equipamiento eléctrico y mecánico utilizado en áreas potencialmente explosivas cumplan con la ATEX 2014/34.



- Zonas ATEX : presencia de **sustancias** inflamables
- Las herramientas anti-chispa reducen las posibilidades de que se produzcan **chispas en su uso** >> SEGURIDAD

Las herramientas de mano no están dentro del ámbito de la Directiva 2014/34/EU. No es posible certificar herramientas de mano de acuerdo con ATEX.

No hay un estándar exclusivo para herramientas Anti-Chispa. De hecho, estas son herramientas de mano producidas en aleaciones en vez de en acero.

Con respecto a dimensiones, PASA/NO PASA, fuerza de unión mango-cabeza en martillos → se aplican normas DIN o ISO

En aquellos aspectos relacionados con la dureza del material (apriete) → también testadas pero solo como referencia

Nuestra gama de herramienta Bahco anti-chispa se fabrica de acuerdo a estándares internacionales de DIN e ISO en términos de dimensiones, capacidades de apertura, pesos, etc. La capacidad de corte, resistencia y dureza están adaptados a la aplicación.



# CERTIFICADOS ANTI-CHISPA

Las herramientas Antichispa Bahco están certificadas por el laboratorio independiente BAM (Instituto Federal para la investigación de Materiales y Ensayos - Alemania).

Ambos materiales han superado los ensayos definidos contra placas de hormigón con una energía de impacto de 61Nm y por lo tanto son adecuadas para su uso en zonas 0/20 de todos los grupos de explosivos.

No obstante, a pesar de las propiedades de chispa reducida de estos materiales, el usuario de estas herramientas deberá manejarlas con especial cuidado en atmósferas explosivas.



**LLAVES**

Llave ajustable anti chispa, AL-BR



**NS001**

Icon	L	Icon	Icon
18 mm	150mm/6"	5	NS001-150
24 mm	200mm/8"	5	NS001-200
30 mm	250mm/10"	5	NS001-250
36 mm	300mm/12"	5	NS001-300
46 mm	375mm/15"	5	NS001-375
55 mm	450mm/18"	3	NS001-450
65 mm	600mm/24"	1	NS001-600
75 mm	900mm/36"	1	NS001-900

Llave ajustable anti chispa, CU-BE



**NSB001**

Icon	L	Icon	Icon
18 mm	150mm/6"	5	NSB001-150
24 mm	200mm/8"	5	NSB001-200
30 mm	250mm/10"	5	NSB001-250
36 mm	300mm/12"	5	NSB001-300
48 mm	375mm/15"	5	NSB001-375
55 mm	450mm/18"	3	NSB001-450
65 mm	600mm/24"	3	NSB001-600
75 mm	900mm/36"	1	NSB001-900

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Llave combinada anti chispa, AL-BR



**NS002**

Icon	Icon	Icon
6 mm	5	NS002-6
7 mm	5	NS002-7
8 mm	5	NS002-8
9 mm	5	NS002-9

Icon	Icon	Icon
10 mm	10	NS002-10
11 mm	5	NS002-11
12 mm	5	NS002-12
13 mm	10	NS002-13
14 mm	5	NS002-14
15 mm	5	NS002-15
16 mm	5	NS002-16
17 mm	10	NS002-17
18 mm	5	NS002-18
19 mm	10	NS002-19
20 mm	5	NS002-20
21 mm	5	NS002-21
22 mm	10	NS002-22
23 mm	5	NS002-23
24 mm	10	NS002-24
25 mm	5	NS002-25
26 mm	5	NS002-26
27 mm	5	NS002-27
28 mm	5	NS002-28
29 mm	10	NS002-29
30 mm	10	NS002-30
31 mm	5	NS002-31
32 mm	5	NS002-32
33 mm	5	NS002-33
34 mm	5	NS002-34
35 mm	5	NS002-35
36 mm	5	NS002-36
38 mm	5	NS002-38
40 mm	5	NS002-40
41 mm	5	NS002-41
42 mm	5	NS002-42
46 mm	5	NS002-46
50 mm	5	NS002-50
52 mm	5	NS002-52
55 mm	5	NS002-55
60 mm	1	NS002-60
65 mm	1	NS002-65
70 mm	1	NS002-70
75 mm	1	NS002-75
80 mm	1	NS002-80

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Llave combinada anti chispa, CU-BE



**NSB002**

Icon	Icon	Icon
6 mm	5	NSB002-6
7 mm	5	NSB002-7
8 mm	5	NSB002-8
9 mm	5	NSB002-9
10 mm	5	NSB002-10
11 mm	5	NSB002-11
12 mm	5	NSB002-12
13 mm	5	NSB002-13
17 mm	5	NSB002-17
14 mm	5	NSB002-14
15 mm	5	NSB002-15
16 mm	5	NSB002-16
18 mm	5	NSB002-18
19 mm	5	NSB002-19
20 mm	5	NSB002-20
21 mm	5	NSB002-21
22 mm	5	NSB002-22
25 mm	5	NSB002-25
23 mm	5	NSB002-23
26 mm	5	NSB002-26

Icon	Icon	Icon
24 mm	5	NSB002-24
27 mm	5	NSB002-27
28 mm	5	NSB002-28
29 mm	5	NSB002-29
30 mm	5	NSB002-30
31 mm	1	NSB002-31
32 mm	10	NSB002-32
33 mm	1	NSB002-33
34 mm	1	NSB002-34
35 mm	1	NSB002-35
36 mm	5	NSB002-36
38 mm	1	NSB002-38
40 mm	1	NSB002-40
41 mm	5	NSB002-41
42 mm	1	NSB002-42
46 mm	1	NSB002-46
50 mm	1	NSB002-50
52 mm	1	NSB002-52
55 mm	1	NSB002-55
60 mm	1	NSB002-60
65 mm	1	NSB002-65
70 mm	1	NSB002-70
75 mm	1	NSB002-75
80 mm	1	NSB002-80

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Llaves combinadas en pulgadas antichispa de Aluminio Bronce



**NS003**




Icon	Icon	Icon
1/4 in	1	NS003-8
11/32 in	1	NS003-11
3/8 in	1	NS003-12
7/16 in	1	NS003-14
1/2 in	1	NS003-16
9/16 in	1	NS003-18
5/8 in	1	NS003-20
3/4 in	1	NS003-24
7/8 in	1	NS003-28
15/16 in	1	NS003-30

Llaves combinadas en pulgadas anti-chispa de cobre berilio



**NSB003**

Icon	Icon	Icon
1/4 in	1	NSB003-8
5/16 in	1	NSB003-10
11/32 in	1	NSB003-11
3/8 in	5	NSB003-12




	 
13/32 in	1 NSB003-13
7/16 in	1 NSB003-14
1/2 in	5 NSB003-16
9/16 in	1 NSB003-18
19/32 in	1 NSB003-19
5/8 in	1 NSB003-20
11/16 in	5 NSB003-22
3/4 in	5 NSB003-24
25/32 in	1 NSB003-25
13/16 in	1 NSB003-26
7/8 in	5 NSB003-28
15/16 in	1 NSB003-30
31/32 in	1 NSB003-31
1 in	1 NSB003-32
1.1/16 in	1 NSB003-34
1.1/8 in	1 NSB003-36
1.3/16 in	1 NSB003-38
1.1/4 in	1 NSB003-40
1.5/16 in	1 NSB003-42
1.3/8 in	5 NSB003-44
1.7/16 in	1 NSB003-46
1.1/2 in	1 NSB003-48
1.9/16 in	1 NSB003-50
1.5/8 in	1 NSB003-52
1.11/16 in	1 NSB003-54
1.3/4 in	1 NSB003-56
1.13/16 in	1 NSB003-58
1.7/8 in	1 NSB003-60
1.15/16 in	1 NSB003-62
2 in	5 NSB003-64
2.1/8 in	1 NSB003-68
2.1/4 in	1 NSB003-72
2.1/2 in	1 NSB003-80
2.5/8 in	1 NSB003-84
2.3/4 in	1 NSB003-88




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Llave Fija anti chispa, AL-BR



**NS006**

	 
6x7 mm	1 NS006-0607
6x8 mm	1 NS006-0608
7x8 mm	1 NS006-0708
7x9 mm	1 NS006-0709
8x9 mm	1 NS006-0809
8x10 mm	1 NS006-0810
9x10 mm	1 NS006-0910
9x11 mm	1 NS006-0911
10x11 mm	1 NS006-1011
10x12 mm	1 NS006-1012
10x13 mm	1 NS006-1013
10x14 mm	1 NS006-1014
11x13 mm	1 NS006-1113
11x14 mm	1 NS006-1114
12x13 mm	1 NS006-1213
12x14 mm	1 NS006-1214
13x15 mm	1 NS006-1315
14x15 mm	1 NS006-1415
14x16 mm	1 NS006-1416




	 
14x17 mm	1 NS006-1417
16x17 mm	1 NS006-1617
16x18 mm	1 NS006-1618
17x19 mm	1 NS006-1719
17x22 mm	1 NS006-1722
18x19 mm	1 NS006-1819
18x20 mm	1 NS006-1820
19x20 mm	1 NS006-1920
19x22 mm	1 NS006-1922
19x24 mm	1 NS006-1924
20x22 mm	1 NS006-2022
21x22 mm	1 NS006-2122
21x23 mm	1 NS006-2123
22x23 mm	1 NS006-2223
22x24 mm	1 NS006-2224
22x27 mm	1 NS006-2227
23x26 mm	1 NS006-2326
24x25 mm	1 NS006-2425
24x26 mm	1 NS006-2426
24x27 mm	1 NS006-2427
24x30 mm	1 NS006-2430
25x28 mm	1 NS006-2528
26x29 mm	1 NS006-2629
27x29 mm	1 NS006-2729
27x30 mm	1 NS006-2730
27x32 mm	1 NS006-2732
28x30 mm	1 NS006-2830
30x31 mm	1 NS006-3031
30x32 mm	1 NS006-3032
30x34 mm	1 NS006-3034
30x36 mm	1 NS006-3036
32x34 mm	1 NS006-3234
32x35 mm	1 NS006-3235
32x36 mm	1 NS006-3236
33x35 mm	1 NS006-3335
34x36 mm	1 NS006-3436
35x36 mm	1 NS006-3536
36x38 mm	1 NS006-3638
36x41 mm	1 NS006-3641
38x42 mm	1 NS006-3642
41x46 mm	1 NS006-4146
46x50 mm	1 NS006-4650
50x52 mm	1 NS006-5052
50x55 mm	1 NS006-5055
50x60 mm	1 NS006-5060
50x62 mm	1 NS006-5062
55x60 mm	1 NS006-5560
60x65 mm	1 NS006-6065
65x70 mm	1 NS006-6570




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Llave fija anti chispa, CU-BE



**NSB006**

	 
6X7 mm	1 NSB006-0607
6X8 mm	1 NSB006-0608
7X8 mm	1 NSB006-0708
7X9 mm	1 NSB006-0709

	 
8X9 mm	1 NSB006-0809
8X10 mm	1 NSB006-0810
9X10 mm	1 NSB006-0910
9X11 mm	1 NSB006-0911
10X11 mm	1 NSB006-1011
10X12 mm	1 NSB006-1012
10X13 mm	1 NSB006-1013
10X14 mm	1 NSB006-1014
11X13 mm	1 NSB006-1113
11X14 mm	1 NSB006-1114
12X13 mm	1 NSB006-1213
12X14 mm	1 NSB006-1214
13X15 mm	1 NSB006-1315
14X15 mm	1 NSB006-1415
14X16 mm	1 NSB006-1416
14X17 mm	1 NSB006-1417
16X17 mm	1 NSB006-1617
16X18 mm	1 NSB006-1618
17X19 mm	1 NSB006-1719
17X22 mm	1 NSB006-1722
18X19 mm	1 NSB006-1819
18X20 mm	1 NSB006-1820
19X20 mm	1 NSB006-1920
19X22 mm	1 NSB006-1922
19X24 mm	1 NSB006-1924
20X22 mm	1 NSB006-2022
21X22 mm	1 NSB006-2122
21X23 mm	1 NSB006-2123
22X23 mm	1 NSB006-2223
22X24 mm	1 NSB006-2224
22X27 mm	1 NSB006-2227
23X26 mm	1 NSB006-2326
24X25 mm	1 NSB006-2425
24X26 mm	1 NSB006-2426
24X27 mm	1 NSB006-2427
24X30 mm	1 NSB006-2430
25x28 mm	1 NSB006-2528
26x29 mm	1 NSB006-2629
27-29 mm	1 NSB006-2729
27x30 mm	1 NSB006-2730
27x32 mm	1 NSB006-2732
28x30 mm	1 NSB006-2830
30x31 mm	1 NSB006-3031
30x32 mm	1 NSB006-3032
30x34 mm	1 NSB006-3034
30x36 mm	1 NSB006-3036
32x34 mm	1 NSB006-3234
32x35 mm	1 NSB006-3235
32x36 mm	1 NSB006-3236
33x35 mm	1 NSB006-3335
34x36 mm	1 NSB006-3436
35x36 mm	1 NSB006-3536
36x38 mm	1 NSB006-3638
36x41 mm	1 NSB006-3641
38x42 mm	1 NSB006-3642
41x46 mm	1 NSB006-4146
46x50 mm	1 NSB006-4650
50x52 mm	1 NSB006-5052
50x55 mm	1 NSB006-5055
50x60 mm	1 NSB006-5060
50x62 mm	1 NSB006-5062
55x60 mm	1 NSB006-5560
60X65 mm	1 NSB006-6065
65X70 mm	1 NSB006-6570

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Llave estrella plana anti chispa, AL-BR



**NS010**

6x7 mm	1 NS010-0607
7x9 mm	1 NS010-0709
8x9 mm	1 NS010-0809
9x11 mm	1 NS010-0911
10x11 mm	1 NS010-1011
10x12 mm	1 NS010-1012
12x14 mm	1 NS010-1214
13x15 mm	1 NS010-1315
14x17 mm	1 NS010-1417
16x18 mm	1 NS010-1618
17x19 mm	1 NS010-1719
17x22 mm	1 NS010-1722
18x19 mm	1 NS010-1819
19x21 mm	1 NS010-1921
19x22 mm	1 NS010-1922
20x22 mm	1 NS010-2022
21x23 mm	1 NS010-2123
22x24 mm	1 NS010-2224
24x27 mm	1 NS010-2427
25x28 mm	1 NS010-2528
26x28 mm	1 NS010-2628
27x30 mm	1 NS010-2730
27x32 mm	1 NS010-2732
30x32 mm	1 NS010-3032
30x36 mm	1 NS010-3036
32x36 mm	1 NS010-3236
36x41 mm	1 NS010-3641
41x46 mm	1 NS010-4146
46x50 mm	1 NS010-4650

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Llave estrella plana anti chispa, CU-BE



**NSB010**

6X7 mm	1 NSB010-0607
7X9 mm	1 NSB010-0709
8X9 mm	1 NSB010-0809
9X11 mm	1 NSB010-0911

10X11 mm	1 NSB010-1011
10X12 mm	1 NSB010-1012
12X14 mm	1 NSB010-1214
13X15 mm	1 NSB010-1315
14X17 mm	1 NSB010-1417
16X18 mm	1 NSB010-1618
17X19 mm	1 NSB010-1719
17X22 mm	1 NSB010-1722
18X19 mm	1 NSB010-1819
19X21 mm	1 NSB010-1921
19X22 mm	1 NSB010-1922
20X22 mm	1 NSB010-2022
21X23 mm	1 NSB010-2123
22X24 mm	1 NSB010-2224
24X27 mm	1 NSB010-2427
25X28 mm	1 NSB010-2528
26X28 mm	1 NSB010-2628
27X30 mm	1 NSB010-2730
27X32 mm	1 NSB010-2732
30X32 mm	1 NSB010-3032
30X36 mm	1 NSB010-3036
32X36 mm	1 NSB010-3236
36X41 mm	1 NSB010-3641
41X46 mm	1 NSB010-4146
46X50 mm	1 NSB010-4650

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Llaves fijas estrella acodada anti chispa, AL-BR



**NS011**

6x7 mm	1 NS011-0607
8x9 mm	1 NS011-0809
10x11 mm	1 NS011-1011
12x13 mm	1 NS011-1213
14x15 mm	1 NS011-1415
16x17 mm	1 NS011-1617
18x19 mm	1 NS011-1819
20x22 mm	1 NS011-2022
21x23 mm	1 NS011-2123
24x26 mm	1 NS011-2426
25x28 mm	1 NS011-2528
27x29 mm	1 NS011-2729
30x32 mm	1 NS011-3032

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Llaves fijas estrella acodada anti chispa, CU-BE



**NSB011**

6x7 mm	1 NSB011-0607
8x9 mm	1 NSB011-0809
10x11 mm	1 NSB011-1011
12x13 mm	1 NSB011-1213
14x15 mm	1 NSB011-1415
16x17 mm	1 NSB011-1617
18x19 mm	1 NSB011-1819
20x22 mm	1 NSB011-2022
21x23 mm	1 NSB011-2123
24x26 mm	1 NSB011-2426
25x28 mm	1 NSB011-2528
27x29 mm	1 NSB011-2729
30x32 mm	1 NSB011-3032




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Llave de golpe boca fija anti chispa, AL-BR



**NS100**

17 mm	1 NS100-17
19 mm	1 NS100-19
22 mm	1 NS100-22
24 mm	1 NS100-24
25 mm	1 NS100-25
27 mm	1 NS100-27
28 mm	1 NS100-28
29 mm	1 NS100-29
30 mm	1 NS100-30
32 mm	1 NS100-32
33 mm	1 NS100-33
34 mm	1 NS100-34
35 mm	1 NS100-35
36 mm	1 NS100-36
37 mm	1 NS100-37
38 mm	1 NS100-38
41 mm	1 NS100-41
42 mm	1 NS100-42
45 mm	1 NS100-45




		
46 mm	1	NS100-46
47 mm	1	NS100-47
50 mm	1	NS100-50
52 mm	1	NS100-52
54 mm	1	NS100-54
55 mm	1	NS100-55
56 mm	1	NS100-56
58 mm	1	NS100-58
60 mm	1	NS100-60
63 mm	1	NS100-63
65 mm	1	NS100-65
67 mm	1	NS100-67
70 mm	1	NS100-70
71 mm	1	NS100-71
75 mm	1	NS100-75
77 mm	1	NS100-77
80 mm	1	NS100-80
82 mm	1	NS100-82
85 mm	1	NS100-85
88 mm	1	NS100-88
90 mm	1	NS100-90
94 mm	1	NS100-94
95 mm	1	NS100-95
100 mm	1	NS100-100
105 mm	1	NS100-105
110 mm	1	NS100-110
115 mm	1	NS100-115
120 mm	1	NS100-120




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Llave de golpe boca fija anti chispa, CU-BE



**NSB100**

		
17 mm	1	NSB100-17
19 mm	1	NSB100-19
22 mm	1	NSB100-22
24 mm	1	NSB100-24
25 mm	1	NSB100-25
27 mm	1	NSB100-27
28 mm	1	NSB100-28
29 mm	1	NSB100-29
30 mm	1	NSB100-30
32 mm	1	NSB100-32
33 mm	1	NSB100-33
34 mm	1	NSB100-34
35 mm	1	NSB100-35
36 mm	1	NSB100-36
37 mm	1	NSB100-37
38 mm	1	NSB100-38
	1	NSB100-41




		
42 mm	1	NSB100-42
45 mm	1	NSB100-45
46 mm	1	NSB100-46
47 mm	1	NSB100-47
50 mm	1	NSB100-50
52 mm	1	NSB100-52
54 mm	1	NSB100-54
55 mm	1	NSB100-55
56 mm	1	NSB100-56
58 mm	1	NSB100-58
60 mm	1	NSB100-60
63 mm	1	NSB100-63
65 mm	1	NSB100-65
67 mm	1	NSB100-67
70 mm	1	NSB100-70
71 mm	1	NSB100-71
75 mm	1	NSB100-75
77 mm	1	NSB100-77
80 mm	1	NSB100-80
82 mm	1	NSB100-82
85 mm	1	NSB100-85
88 mm	1	NSB100-88
90 mm	1	NSB100-90
94 mm	1	NSB100-94
95 mm	1	NSB100-95
100 mm	1	NSB100-100
105 mm	1	NSB100-105
110 mm	1	NSB100-110
115 mm	1	NSB100-115
120 mm	1	NSB100-120




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Llave estrella de golpeo anti chispa, AL-BR



**NS104**

		
17 mm	1	NS104-17
19 mm	1	NS104-19
20 mm	1	NS104-20
22 mm	1	NS104-22
24 mm	1	NS104-24
25 mm	1	NS104-25
26 mm	1	NS104-26
27 mm	1	NS104-27
28 mm	1	NS104-28
29 mm	1	NS104-29
30 mm	1	NS104-30

		
31 mm	1	NS104-31
32 mm	1	NS104-32
33 mm	1	NS104-33
34 mm	1	NS104-34
35 mm	1	NS104-35
36 mm	1	NS104-36
37 mm	1	NS104-37
38 mm	1	NS104-38
39 mm	1	NS104-39
40 mm	1	NS104-40
41 mm	1	NS104-41
42 mm	1	NS104-42
43 mm	1	NS104-43
44 mm	1	NS104-44
45 mm	1	NS104-45
46 mm	1	NS104-46
47 mm	1	NS104-47
48 mm	1	NS104-48
49 mm	1	NS104-49
50 mm	1	NS104-50
51 mm	1	NS104-51
52 mm	1	NS104-52
53 mm	1	NS104-53
54 mm	1	NS104-54
55 mm	1	NS104-55
56 mm	1	NS104-56
57 mm	1	NS104-57
58 mm	1	NS104-58
59 mm	1	NS104-59
60 mm	1	NS104-60
61 mm	1	NS104-61
62 mm	1	NS104-62
63 mm	1	NS104-63
64 mm	1	NS104-64
65 mm	1	NS104-65
66 mm	1	NS104-66
67 mm	1	NS104-67
68 mm	1	NS104-68
69 mm	1	NS104-69
70 mm	1	NS104-70
71 mm	1	NS104-71
72 mm	1	NS104-72
73 mm	1	NS104-73
74 mm	1	NS104-74
75 mm	1	NS104-75
76 mm	1	NS104-76
77 mm	1	NS104-77
78 mm	1	NS104-78
79 mm	1	NS104-79
80 mm	1	NS104-80
81 mm	1	NS104-81
82 mm	1	NS104-82
83 mm	1	NS104-83
84 mm	1	NS104-84
85 mm	1	NS104-85
86 mm	1	NS104-86
87 mm	1	NS104-87
88 mm	1	NS104-88
89 mm	1	NS104-89
90 mm	1	NS104-90
92 mm	1	NS104-92
94 mm	1	NS104-94
95 mm	1	NS104-95
98 mm	1	NS104-98
100 mm	1	NS104-100
105 mm	1	NS104-105
110 mm	1	NS104-110
115 mm	1	NS104-115
120 mm	1	NS104-120

BAM/ZBF/002/21



Llave de estrella de golpe anti chispa, mm, CU-BE



**NSB104**



17 mm	1	NSB104-17
19 mm	1	NSB104-19
20 mm	1	NSB104-20
22 mm	1	NSB104-22
24 mm	1	NSB104-24
25 mm	1	NSB104-25
26 mm	1	NSB104-26
27 mm	1	NSB104-27
28 mm	1	NSB104-28
29 mm	1	NSB104-29
30 mm	1	NSB104-30
31 mm	1	NSB104-31
32 mm	1	NSB104-32
33 mm	1	NSB104-33
34 mm	1	NSB104-34
35 mm	1	NSB104-35
36 mm	1	NSB104-36
37 mm	1	NSB104-37
38 mm	1	NSB104-38
39 mm	1	NSB104-39
40 mm	1	NSB104-40
41 mm	1	NSB104-41
42 mm	1	NSB104-42
43 mm	1	NSB104-43
44 mm	1	NSB104-44
45 mm	1	NSB104-45
46 mm	1	NSB104-46
47 mm	1	NSB104-47
48 mm	1	NSB104-48
49 mm	1	NSB104-49
50 mm	1	NSB104-50
51 mm	1	NSB104-51
52 mm	1	NSB104-52
53 mm	1	NSB104-53
54 mm	1	NSB104-54
55 mm	1	NSB104-55
56 mm	1	NSB104-56
57 mm	1	NSB104-57
58 mm	1	NSB104-58
59 mm	1	NSB104-59
60 mm	1	NSB104-60
61 mm	1	NSB104-61
62 mm	1	NSB104-62
63 mm	1	NSB104-63
64 mm	1	NSB104-64
65 mm	1	NSB104-65
66 mm	1	NSB104-66
67 mm	1	NSB104-67
68 mm	1	NSB104-68
69 mm	1	NSB104-69
70 mm	1	NSB104-70
71 mm	1	NSB104-71
72 mm	1	NSB104-72
73 mm	1	NSB104-73
74 mm	1	NSB104-74
75 mm	1	NSB104-75
76 mm	1	NSB104-76
77 mm	1	NSB104-77



78 mm	1	NSB104-78
79 mm	1	NSB104-79
80 mm	1	NSB104-80
81 mm	1	NSB104-81
82 mm	1	NSB104-82
83 mm	1	NSB104-83
84 mm	1	NSB104-84
85 mm	1	NSB104-85
86 mm	1	NSB104-86
87 mm	1	NSB104-87
88 mm	1	NSB104-88
89 mm	1	NSB104-89
90 mm	1	NSB104-90
92 mm	1	NSB104-92
94 mm	1	NSB104-94
95 mm	1	NSB104-95
98 mm	1	NSB104-98
100 mm	1	NSB104-100
105 mm	1	NSB104-105
110 mm	1	NSB104-110
115 mm	1	NSB104-115
120 mm	1	NSB104-120

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Llave estrella de golpe anti chispa, AL-BR



**NS106**



5/8 in	1	NS106-20
11/16 in	1	NS106-22
3/4 in	1	NS106-24
25/32 in	1	NS106-25
13/16 in	1	NS106-26
7/8 in	1	NS106-28
15/16 in	1	NS106-30
1 in	1	NS106-32
1 1/16 in	1	NS106-34
1 1/8 in	1	NS106-36
1 3/16 in	1	NS106-38
1 1/4 in	1	NS106-40
1 5/16 in	1	NS106-42
1 3/8 in	1	NS106-44
1 13/32 in	1	NS106-45
1 7/16 in	1	NS106-46
1 1/2 in	1	NS106-48
1 9/16 in	1	NS106-50
1 5/8 in	1	NS106-52
1 11/16 in	1	NS106-54
1 3/4 in	1	NS106-56
1 13/16 in	1	NS106-58
1 7/8 in	1	NS106-60
1 15/16 in	1	NS106-62
2 in	1	NS106-64
2 1/16 in	1	NS106-66
2 1/8 in	1	NS106-68
2 3/16 in	1	NS106-70
2 13/64 in	1	NS106-71
2 1/4 in	1	NS106-72
2 5/16 in	1	NS106-74



2 3/8 in	1	NS106-76
2 7/16 in	1	NS106-78
2 1/2 in	1	NS106-80
2 9/16 in	1	NS106-82
2 5/8 in	1	NS106-84
2 3/4 in	1	NS106-88
2 13/16 in	1	NS106-90
2 7/8 in	1	NS106-92
2 15/16 in	1	NS106-94
3 in	1	NS106-96
3 1/16 in	1	NS106-98
3 1/8 in	1	NS106-100
3 1/4 in	1	NS106-104
3 3/8 in	1	NS106-108
3 1/2 in	1	NS106-112
3 9/16 in	1	NS106-114
3 5/8 in	1	NS106-116
3 3/4 in	1	NS106-120
3 7/8 in	1	NS106-124
3 15/16 in	1	NS106-126
4 in	1	NS106-128
4 1/8 in	1	NS106-132
4 1/4 in	1	NS106-136
4 5/16 in	1	NS106-138
4 1/2 in	1	NS106-144
4 9/16 in	1	NS106-146
4 11/16 in	1	NS106-150
4 7/8 in	1	NS106-156
4 15/16 in	1	NS106-158

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Llave de estrella de golpe anti chispa, pulgadas, CU-BE



**NSB106**



5/8 in	1	NSB106-20
11/16 in	1	NSB106-22
3/4 in	1	NSB106-24
25/32 in	1	NSB106-25
13/16 in	1	NSB106-26
7/8 in	1	NSB106-28
15/16 in	1	NSB106-30
1 in	1	NSB106-32
1.1/16 in	1	NSB106-34
1.1/8 in	1	NSB106-36
1.3/16 in	1	NSB106-38
1.1/4 in	1	NSB106-40
1.5/16 in	1	NSB106-42
1.3/8 in	1	NSB106-44
1.13/32 in	1	NSB106-45
1.7/16 in	1	NSB106-46
1.1/2 in	1	NSB106-48
1.9/16 in	1	NSB106-50
1.5/8 in	1	NSB106-52
1.11/16 in	1	NSB106-54
1.3/4 in	1	NSB106-56
1.13/16 in	1	NSB106-58
1.7/8 in	1	NSB106-60
1.15/16 in	1	NSB106-62

		
2 in	1	NSB106-64
2.1/16 in	1	NSB106-66
2.1/8 in	1	NSB106-68
2.3/16 in	1	NSB106-70
2.13/64 in	1	NSB106-71
2.1/4 in	1	NSB106-72
2.5/16 in	1	NSB106-74
2.3/8 in	1	NSB106-76
2.7/16 in	1	NSB106-78
2.1/2 in	1	NSB106-80
2.9/16 in	1	NSB106-82
2.5/8 in	1	NSB106-84
2.3/4 in	1	NSB106-88
2.13/16 in	1	NSB106-90
2.7/8 in	1	NSB106-92
2.15/16 in	1	NSB106-94
3 in	1	NSB106-96
3.1/16 in	1	NSB106-98
3.1/8 in	1	NSB106-100
3.1/4 in	1	NSB106-104
3.3/8 in	1	NSB106-108
3.1/2 in	1	NSB106-112
3.9/16 in	1	NSB106-114
3.5/8 in	1	NSB106-116
3.3/4 in	1	NSB106-120
3.7/8 in	1	NSB106-124
3.15/16 in	1	NSB106-126
4 in	1	NSB106-128
4.1/8 in	1	NSB106-132
4.1/4 in	1	NSB106-136
4.5/16 in	1	NSB106-138
4.1/2 in	1	NSB106-144
4.9/16 in	1	NSB106-146
4.11/16 in	1	NSB106-150
4.7/8 in	1	NSB106-156
4.15/16 in	1	NSB106-158





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## HERRAMIENTAS PARA FONTANERÍA

Llave Stillson anti chispa, AL-BR



### NS200





			
25 mm	200 mm	1	NS200-200
30 mm	250 mm	1	NS200-250
40 mm	300 mm	1	NS200-300
50 mm	350 mm	1	NS200-350
60 mm	450 mm	1	NS200-450
75 mm	600 mm	1	NS200-600
85 mm	900 mm	1	NS200-900
110 mm	1200 mm	1	NS200-1200

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Llave Stillson anti chispa, CU-BE



### NSB200

			
25 mm	200 mm	1	NSB200-200
30 mm	250 mm	1	NSB200-250
40 mm	300 mm	1	NSB200-300
50 mm	350 mm	1	NSB200-350
60 mm	450 mm	1	NSB200-450
75 mm	600 mm	1	NSB200-600
85 mm	900 mm	1	NSB200-900
110 mm	1200 mm	1	NSB200-1200

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Llave de válvulas larga anti chispa, AL-BR



### NS202

		
370 mm	1	NS202-350

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Llave válvulas anti chispa, CU-BE



### NSB202

		
375 mm	1	NSB202-350





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Llave para válvulas anti-chispa, AL-BR



### NS203

			
215 mm	24 mm	1	NS203-200
215 mm	32 mm	1	NS203-215





			
290 mm	36 mm	1	NS203-290
400 mm	48 mm	1	NS203-400
490 mm	60 mm	1	NS203-490
800 mm	60 mm	1	NS203-800

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Llave para válvulas anti-chispa, CU-BE



### NSB203




			
215 mm	24 mm	1	NSB203-200
215 mm	32 mm	1	NSB203-215
290 mm	36 mm	1	NSB203-290
400 mm	48 mm	1	NSB203-400
490 mm	60 mm	1	NSB203-490
800 mm	60 mm	1	NSB203-800

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Llave-gancho girador de válvulas anti chispa, AL-BR



### NS204

		
200 mm	1	NS204-30
300 mm	1	NS204-32
250 mm	1	NS204-35
300 mm	1	NS204-40
350 mm	1	NS204-45
375 mm	1	NS204-48
400 mm	1	NS204-50
450 mm	1	NS204-55
500 mm	1	NS204-60
550 mm	1	NS204-65
600 mm	1	NS204-70
650 mm	1	NS204-75
700 mm	1	NS204-80
750 mm	1	NS204-85
800 mm	1	NS204-90

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Llave válvulas anti chispa, CU-BE



**NSB204**



200 mm	1	NSB204-30
300 mm	1	NSB204-32
250 mm	1	NSB204-35
300 mm	1	NSB204-40
350 mm	1	NSB204-45
375 mm	1	NSB204-48
400 mm	1	NSB204-50
450 mm	1	NSB204-55
500 mm	1	NSB204-60
550 mm	1	NSB204-65
600 mm	1	NSB204-70
650 mm	1	NSB204-75
700 mm	1	NSB204-80
750 mm	1	NSB204-85
800 mm	1	NSB204-90

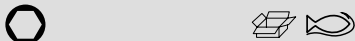
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**VASOS Y CARRACAS**

Vaso anti-chispa 1/2", AL-BR

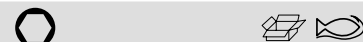


**NS220**



6 mm	1	NS220-06
7 mm	1	NS220-07
8 mm	1	NS220-08
9 mm	1	NS220-09
10 mm	1	NS220-10
11 mm	1	NS220-11
12 mm	1	NS220-12
13 mm	1	NS220-13
14 mm	1	NS220-14
15 mm	1	NS220-15
16 mm	1	NS220-16
17 mm	1	NS220-17

**NSB220**



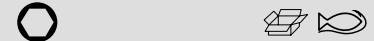
6 mm	1	NSB220-06
7 mm	1	NSB220-07
8 mm	1	NSB220-08
9 mm	1	NSB220-09
10 mm	1	NSB220-10
11 mm	1	NSB220-11
12 mm	1	NSB220-12
13 mm	1	NSB220-13
14 mm	1	NSB220-14
15 mm	1	NSB220-15
16 mm	1	NSB220-16
17 mm	1	NSB220-17
18 mm	1	NSB220-18
19 mm	1	NSB220-19
20 mm	1	NSB220-20
21 mm	1	NSB220-21
22 mm	1	NSB220-22
23 mm	1	NSB220-23
24 mm	1	NSB220-24
25 mm	1	NSB220-25
26 mm	1	NSB220-26
27 mm	1	NSB220-27
28 mm	1	NSB220-28
29 mm	1	NSB220-29
30 mm	1	NSB220-30
32 mm	1	NSB220-32

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Vaso anti-chispa 3/4", AL-I



**NS224**



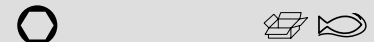
17 mm	1	NS224-17
18 mm	1	NS224-18
19 mm	1	NS224-19
21 mm	1	NS224-21
22 mm	1	NS224-22
23 mm	1	NS224-23
24 mm	1	NS224-24
26 mm	1	NS224-26
27 mm	1	NS224-27
28 mm	1	NS224-28
29 mm	1	NS224-29
30 mm	1	NS224-30
32 mm	1	NS224-32
34 mm	1	NS224-34
36 mm	1	NS224-36
38 mm	1	NS224-38
41 mm	1	NS224-41
46 mm	1	NS224-46
50 mm	1	NS224-50

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Vaso anti-chispa 3/4", CU-BE



**NSB224**



17 mm	1	NSB224-17
18 mm	1	NSB224-18
19 mm	1	NSB224-19
21 mm	1	NSB224-21
22 mm	1	NSB224-22
23 mm	1	NSB224-23
24 mm	1	NSB224-24
26 mm	1	NSB224-26
27 mm	1	NSB224-27
28 mm	1	NSB224-28
29 mm	1	NSB224-29
30 mm	1	NSB224-30
32 mm	1	NSB224-32
34 mm	1	NSB224-34

Ø			
36 mm	1	NSB224-36	
38 mm	1	NSB224-38	
41 mm	1	NSB224-41	
46 mm	1	NSB224-46	
50 mm	1	NSB224-50	

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Vaso anti-chispa 1", AL-BR



**NS228**

Ø	L		
22 mm	55 mm	1	NS228-22
24 mm	55 mm	1	NS228-24
26 mm	55 mm	1	NS228-26
27 mm	55 mm	1	NS228-27
28 mm	55 mm	1	NS228-28
29 mm	55 mm	1	NS228-29
30 mm	60 mm	1	NS228-30
31 mm	60 mm	1	NS228-31
32 mm	60 mm	1	NS228-32
34 mm	60 mm	1	NS228-34
36 mm	65 mm	1	NS228-36
38 mm	65 mm	1	NS228-38
41 mm	70 mm	1	NS228-41
46 mm	75 mm	1	NS228-46
50 mm	75 mm	1	NS228-50
55 mm	80 mm	1	NS228-55
60 mm	85 mm	1	NS228-60
65 mm	90 mm	1	NS228-65
70 mm	90 mm	1	NS228-70
75 mm	95 mm	1	NS228-75
80 mm		1	NS228-80

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Vaso anti-chispa 1", CU-BE



**NSB228**

Ø	g		
22 mm	370 g	1	NSB228-22
24 mm	430 g	1	NSB228-24
26 mm	396 g	1	NSB228-26
	440 g	1	NSB228-27

Ø	g		
28 mm	411 g	1	NSB228-28
29 mm	460 g	1	NSB228-29
30 mm	462 g	1	NSB228-30
31 mm	520 g	1	NSB228-31
32 mm	497 g	1	NSB228-32
34 mm	506 g	1	NSB228-34
36 mm	610 g	1	NSB228-36
38 mm	600 g	1	NSB228-38
41 mm	740 g	1	NSB228-41
46 mm	832 g	1	NSB228-46
50 mm	960 g	1	NSB228-50
55 mm	1130 g	1	NSB228-55
60 mm	1570 g	1	NSB228-60
65 mm	1698 g	1	NSB228-65
70 mm	2350 g	1	NSB228-70
75 mm	3010 g	1	NSB228-75
80 mm	2818 g	1	NSB228-80

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Adaptador anti-chispa, AL-BR



**NS232**

Ø	Ø		
1/2"	3/4"	1	NS232-16-24
3/4"	1/2"	1	NS232-24-16
3/4"	1"	1	NS232-24-32
1"	3/4"	1	NS232-32-24

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Adaptador anti-chispa, CU-BE



**NSB232**

Ø	Ø		
1/2"	3/4"	1	NSB232-16-24
3/4"	1/2"	1	NSB232-24-16
3/4"	1"	1	NSB232-24-32
1"	3/4"	1	NSB232-32-24

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Alargadera anti-chispa, AL-BR



**NS234**

Ø	Ø		
1/2"	1/2"	1	NS234-16-100
1/2"	1/2"	1	NS234-16-200
1/2"	1/2"	1	NS234-16-250
3/4"	3/4"	1	NS234-24-200
1"	1"	1	NS234-32-250

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Alargadera anti-chispa, CU-BE



**NSB234**

L	Ø		
100 mm	16,4 mm	1	NSB234-16-100
200 mm	16,4 mm	1	NSB234-16-200
250 mm	16,4 mm	1	NSB234-16-250
200 mm	25 mm	1	NSB234-24-200
250 mm	34 mm	1	NSB234-32-250

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Junta universal anti-chispa, AL-BR



**NS236**

Ø	Ø		
1/2"	1/2"	1	NS236-16
3/4"	3/4"	1	NS236-24
1"	1"	1	NS236-32

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Junta universal anti-chispa, CU-BE



**NSB236**

1/2"	3/4"	1"	1/2"	3/4"	1"	1	NSB236-16	NSB236-24	NSB236-32

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Mango acodado en T anti-chispa, AL-BR



**NS240**

1/2"	230 mm	1	NS240-16-230

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Llave de carraca anti-chispa



**NSB242**

245 mm	320 mm	550 mm	710 g	1660 g	3680 g	1	NSB242-16	NSB242-24	NSB242-32

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Mango corredizo en T anti-chispa, AL-BR



**NS238**

1/2"	3/4"	1"	250 mm	260 mm	300 mm	1	NS238-16-250	NS238-24-250	NS238-32-300

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Mango acodado en T anti-chispa, CU-BE



**NSB240**

1/2"	370 g	1	NSB240-16-230

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Berbiquí anti-chispa, AL-BR



**NS243**

1/2"	390 mm	1	NS243-16-400

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Mango corredizo en T anti-chispa, CU-BE



**NSB238**

1/2"	3/4"	1"	250 mm	250 mm	300 mm	1	NSB238-16-250	NSB238-24-250	NSB238-32-300

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Llave de carraca anti-chispa, AL-BR



**NS242**

245 mm	320 mm	550 mm	630 g	1460 g	3190 g	1	NS242-16	NS242-24	NS242-32

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Berbiquí anti-chispa, CU-BE



**NSB243**

1/2"	395 mm	1	NSB243-16-400

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vaso anti-chispa para bujías, AL-BR



**NS247**



1/2" 13 mm 1 NS247-26

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Vaso anti-chispa para bujías, CU-BE



**NSB247**



1/2" 13 mm 1 NSB247-26

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Destornillador Stecker anti-chispa, AL-BR



**NS248**



13 mm 1 NS248-16-52

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Destornillador Stecker anti-chispa, CU-BE



**NSB248**



13 mm 1 NSB248-16-52

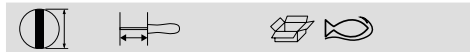
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**DESTORNILLADORES**

Destornillador punta plana ERGO™, AL-BR



**NS300**



3 mm	50 mm	1	NS300-3-50
3 mm	75 mm	1	NS300-3-75
4 mm	75 mm	1	NS300-4-75
4.5 mm	50 mm	1	NS300-4.5-50
4.5 mm	100 mm	1	NS300-4.5-100
5 mm	75 mm	1	NS300-5-75
5 mm	100 mm	1	NS300-5-100
6 mm	100 mm	1	NS300-6-100
6 mm	125 mm	1	NS300-6-125
6 mm	150 mm	1	NS300-6-150
7 mm	150 mm	1	NS300-7-150
8 mm	150 mm	1	NS300-8-150
8 mm	200 mm	1	NS300-8-200
9 mm	250 mm	1	NS300-9-250
10 mm	200 mm	1	NS300-10-200
10 mm	300 mm	1	NS300-10-300
11 mm	250 mm	1	NS300-11-250
11 mm	300 mm	1	NS300-11-300
11 mm	350 mm	1	NS300-11-350
12 mm	400 mm	1	NS300-12-400
13 mm	450 mm	1	NS300-13-450

BAM/ZBF/002/21

Destornillador boca Plana ERGO™ anti-chispa, CU-BE



**NSB300**



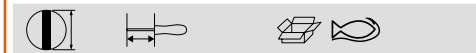
3 mm	50 mm	1	NSB300-3-50
3 mm	75 mm	1	NSB300-3-75
4 mm	75 mm	1	NSB300-4-75
4.5 mm	60 mm	1	NSB300-4.5-50
4.5 mm	95 mm	1	NSB300-4.5-100
5 mm	75 mm	1	NSB300-5-75
5 mm	100 mm	1	NSB300-5-100
6 mm	105 mm	1	NSB300-6-100
6 mm	125 mm	1	NSB300-6-125
6 mm	160 mm	1	NSB300-6-150
7 mm	150 mm	1	NSB300-7-150
8 mm	150 mm	1	NSB300-8-150
8 mm	200 mm	1	NSB300-8-200
9 mm	250 mm	1	NSB300-9-250
9 mm	200 mm	1	NSB300-10-200
10 mm	318 mm	1	NSB300-10-300
11 mm	250 mm	1	NSB300-11-250
11 mm	300 mm	1	NSB300-11-300
11 mm	350 mm	1	NSB300-11-350
12 mm	400 mm	1	NSB300-12-400
13 mm	450 mm	1	NSB300-13-450

BAM/ZBF/003/21

Destornilladores electricista anti chispa, AL-BR



**NS301**



3 mm	50 mm	1	NS301-3-50
4 mm	100 mm	1	NS301-4-100
4 mm	150 mm	1	NS301-4-150
5 mm	100 mm	1	NS301-5-100
5 mm	200 mm	1	NS301-5-200
6 mm	100 mm	1	NS301-6-100
8 mm	150 mm	1	NS301-8-150
10 mm	200 mm	1	NS301-10-200
10 mm	300 mm	1	NS301-10-300

BAM/ZBF/002/21

Destornilladores electricista, CU-BE



ergo®



**NSB301**

Diámetro	Longitud	Cantidad	Referencia
3 mm	50 mm	1	NSB301-3-50
4 mm	100 mm	1	NSB301-4-100
4 mm	150 mm	1	NSB301-4-150
5 mm	100 mm	1	NSB301-5-100
5 mm	210 mm	1	NSB301-5-200
6 mm	100 mm	1	NSB301-6-100
8 mm	155 mm	1	NSB301-8-150
10 mm	200 mm	1	NSB301-10-200
10 mm	300 mm	1	NSB301-10-300

BAM/ZBF/003/21

Destornillador punta PZ ERGO™, AL-BR



ergo®



**NS304**

Punta	Longitud	Cantidad	Referencia
PZ0	50 mm	1	NS304-0-50
PZ1	100 mm	1	NS304-1-100
PZ2	125 mm	1	NS304-2-125
PZ3	150 mm	1	NS304-3-150
PZ4	300 mm	1	NS304-4-300

BAM/ZBF/002/21

Destornillador PZ ERGO™ anti chispa, CU-BE



ergo®



**NSB304**

Punta	Longitud	Cantidad	Referencia
PZ0	50 mm	1	NSB304-0-50
PZ1	100 mm	1	NSB304-1-100
PZ2	125 mm	1	NSB304-2-125
PZ3	150 mm	1	NSB304-3-150
PZ4	300 mm	1	NSB304-4-300

BAM/ZBF/003/21

Destornillador punta PH ERGO™, AL-BR



ergo®



**NS302**

Punta	Longitud	Cantidad	Referencia
PH0	50 mm	1	NS302-0-50
PH1	100 mm	1	NS302-1-100
PH2	125 mm	1	NS302-2-125
PH3	150 mm	1	NS302-3-150
PH4	300 mm	1	NS302-4-300

BAM/ZBF/002/21

Destornilladores Phillips ERGO™ anti chispa, CU-BE



ergo®



**NSB302**

Punta	Longitud	Cantidad	Referencia
PH0	65 mm	1	NSB302-0-50
PH1	120 mm	1	NSB302-1-100
PH2	125 mm	1	NSB302-2-125
PH3	150 mm	1	NSB302-3-150
PH4	300 mm	1	NSB302-4-300

BAM/ZBF/003/21

Llaves allen anti chispa, AL-BR



**NS320**

Diámetro	Cantidad	Referencia
2 mm	1	NS320-2
3 mm	1	NS320-3
4 mm	1	NS320-4
5 mm	1	NS320-5
6 mm	1	NS320-6
7 mm	1	NS320-7
8 mm	1	NS320-8
9 mm	1	NS320-9
10 mm	1	NS320-10

BAM/ZBF/002/21

Llaves hexagonales anti c



**NSB320**

Diámetro	Cantidad	Referencia
2 mm	1	NSB320-2
3 mm	1	NSB320-3
4 mm	1	NSB320-4
5 mm	1	NSB320-5
6 mm	1	NSB320-6
7 mm	1	NSB320-7
8 mm	1	NSB320-8
9 mm	1	NSB320-9
10 mm	1	NSB320-10

BAM/ZBF/003/21

**ALICATES**

Alicate universal anti chispa, AL-BR



**NS400**

Longitud	Cantidad	Referencia
155 mm	1	NS400-160
175 mm	1	NS400-180
200 mm	1	NS400-200

BAM/ZBF/002/21

Alicate universal anti chispa, CU-BE

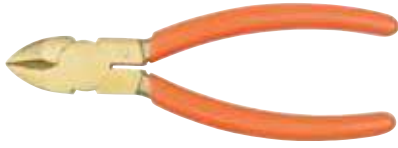


**NSB400**

Longitud	Cantidad	Referencia
157 mm	1	NSB400-160
175 mm	1	NSB400-180
200 mm	1	NSB400-200

BAM/ZBF/003/21

Alicate de corte laterala anti chispa, AL-BR



**NS402**

150 mm	1 NS402-160
200 mm	1 NS402-200

BAM/ZBF/002/21

Alicate de corte lateral anti chispa, CU-BE



**NSB402**

155 mm	1 NSB402-160
200 mm	1 NSB402-200

BAM/ZBF/003/21

Alicates corte diagonal HD anti chispa, AL-BR



**NS403**

150 mm	1 NS403-160
180 mm	1 NS403-180

BAM/ZBF/002/21

Alicates corte diagonal heavy duty anti chispa CU-BE



**NSB403**

155 mm	1 NSB403-160
180 mm	1 NSB403-180

BAM/ZBF/003/21

Alicates boca plana anti chispa, AL-BR



**NS404**

150 mm	1 NS404-160

BAM/ZBF/002/21

Alicates boca plana anti chispa, CU-BE



**NSB404**

155 mm	1 NSB404-160

BAM/ZBF/003/21

Alicates boca semirredonda anti chispa, AL-BR



**NS405**

160 mm	1 NS405-160

BAM/ZBF/002/21

Alicates boca redonda anti chispa, CU-BE



**NSB405**

155 mm	1 NSB405-160

BAM/ZBF/003/21

Alicate de punta semiredonda anti chispa, AL-BR



**NS406**

160 mm	1 NS406-160
180 mm	1 NS406-180
200 mm	1 NS406-200

BAM/ZBF/002/21

Alicate de boca semiredonda anti chispa, CU-BE



**NSB406**

155 mm	1 NSB406-160
180 mm	1 NSB406-180
200 mm	1 NSB406-200

BAM/ZBF/003/21

Pelacables anti chispa, AL-BR



**NS407**

170 mm	1 NS407-160

BAM/ZBF/002/21



Pelacables anti chispa, CU-BE



**NSB407**



170 mm



1 NSB407-160

BAM/ZBF/003/21

Alicate articulado anti chispa, AL-BR



**NS408**



260 mm  
300 mm



1 NS408-250  
1 NS408-300

BAM/ZBF/002/21

Tenacilla articulada anti chispa, CU-BE



**NSB408**



255 mm  
300 mm



1 NSB408-250  
1 NSB408-300

BAM/ZBF/003/21

Tenazas anti chispa, AL-BR



**NS412**



200 mm



1 NS412-200

BAM/ZBF/002/21

Tenazas anti chispa, CU-BE



**NSB412**



200 mm



1 NSB412-200

BAM/ZBF/003/21

Alicates para gas anti chispa, AL-BR



**NS411**



200 mm



1 NS411-200

BAM/ZBF/002/21

Alicates para Gas anti chispa, CU-BE



**NSB411**



205 mm



1 NSB411-200

BAM/ZBF/003/21

Tenazas para carpinteros anti chispa, AL-BR



**NS413**



180 mm  
195 mm



1 NS413-180  
1 NS413-200

BAM/ZBF/002/21

Tenazas para carpintero a CU-BE



**NSB413**



185 mm  
195 mm



1 NSB413-180  
1 NSB413-200

BAM/ZBF/003/21

## MARTILLOS, PALANCAS Y CINCELES

Maza tipo alemán anti chispa, AL-BR



**NS500**



2000 g  
2500 g  
3000 g  
4000 g



1 NS500-2000  
1 NS500-2500  
1 NS500-3000  
1 NS500-4000

BAM/ZBF/002/21

Maceta cuadrada tipo alemán anti chispa mango madera, CU-BE



**NSB500**



2000 g  
2500 g  
3000 g  
4000 g



1 NSB500-2000  
1 NSB500-2500  
1 NSB500-3000  
1 NSB500-4000

BAM/ZBF/003/21

Maza tipo alemán mango fibra vidrio anti chispa



**NS500-FB**

Weight	Quantity	Model
1000 g	1	NS500-1000-FB
1500 g	1	NS500-1500-FB
2000 g	1	NS500-2000-FB
2500 g	1	NS500-2500-FB
3000 g	1	NS500-3000-FB
3500 g	1	NS500-3500-FB

BAM/ZBF/002/21

Maceta cuadrada tipo alemán anti chispa mango fibra de vidrio, CU-BE



**NSB500-FB**

Weight	Quantity	Model
1000 g	1	NSB500-1000-FB
1500 g	1	NSB500-1500-FB
2000 g	1	NSB500-2000-FB
2500 g	1	NSB500-2500-FB
3000 g	1	NSB500-3000-FB
3500 g	1	NSB500-3500-FB

BAM/ZBF/003/21

Maza mango fibra de vidrio anti chispa AL-BR



**NS502-FB**

Weight	Quantity	Model
450 g	1	NS502-450-FB
1000 g	1	NS502-1000-FB
1500 g	1	NS502-1500-FB
2000 g	1	NS502-2000-FB
2500 g	1	NS502-2500-FB
3000 g	1	NS502-3000-FB
4500 g	1	NS502-4500-FB
	1	NS502-5000-FB

Weight	Quantity	Model
6800 g	1	NS502-6800-FB
8000 g	1	NS502-8000-FB
10000 g	1	NS502-10000-FB
12000 g	1	NS502-12000-FB

BAM/ZBF/002/21

Martillo octogonal anti chispa mango fibra de vidrio, CU-BE



**NSB502-FB**

Weight	Quantity	Model
450 g	1	NSB502-450-FB
1000 g	1	NSB502-1000-FB
1500 g	1	NSB502-1500-FB
2000 g	1	NSB502-2000-FB
2500 g	1	NSB502-2500-FB
3000 g	1	NSB502-3000-FB
4500 g	1	NSB502-4500-FB
5000 g	1	NSB502-5000-FB
6800 g	1	NSB502-6800-FB
8000 g	1	NSB502-8000-FB
10000 g	1	NSB502-10000-FB
12000 g	1	NSB502-12000-FB

BAM/ZBF/003/21

Martillo tipo Alemán mango fibra de vidrio anti chispa, AL-BR



**NS504-FB**

Weight	Quantity	Model
100 g	1	NS504-100-FB
200 g	1	NS504-200-FB
300 g	1	NS504-300-FB
500 g	1	NS504-500-FB
800 g	1	NS504-800-FB
1000 g	1	NS504-1000-FB
1500 g	1	NS504-1500-FB
2000 g	1	NS504-2000-FB

BAM/ZBF/002/21

Martillo mecánico anti chispa mango fibra de vidrio, CU-BE



**NSB504-FB**

Weight	Quantity	Model
100 g	1	NSB504-100-FB
200 g	1	NSB504-200-FB
300 g	1	NSB504-300-FB
500 g	1	NSB504-500-FB
800 g	1	NSB504-800-FB
1000 g	1	NSB504-1000-FB
1500 g	1	NSB504-1500-FB
2000 g	1	NSB504-2000-FB

BAM/ZBF/003/21

Martillo de bola con mango de madera anti chispa, AL-BR



**NS506**

Weight	Quantity	Model
340 g	1	NS506-300
450 g	1	NS506-450
670 g	1	NS506-700
910 g	1	NS506-900

BAM/ZBF/002/21

Martillo de bola con mango de madera anti chispa, CU-BE



**NSB506**

Weight	Quantity	Model
300 g	1	NSB506-300
450 g	1	NSB506-450
680 g	1	NSB506-700
910 g	1	NSB506-900

BAM/ZBF/003/21

Martillo de bola anti chispa con mango de fibra de vidrio, AL-BR



**NS506-FB**

310 g	1	NS506-300-FB
470 g	1	NS506-450-FB
700 g	1	NS506-700-FB
910 g	1	NS506-900-FB

BAM/ZBF/002/21

Martillo de bola anti chispa con mango de fibra de vidrio, CU-BE



**NSB506-FB**

300 g	1	NSB506-300-FB
450 g	1	NSB506-450-FB
680 g	1	NSB506-700-FB
900 g	1	NSB506-900-FB

BAM/ZBF/003/21

Martillos mango fibra de vidrio anti chispa, AL-BR



**NS508-FB**

500 g	1	NS508-500-FB
700 g	1	NS508-700-FB

BAM/ZBF/002/21

Martillos mango fibra de vidrio anti chispa, CU-BE



**NSB508-FB**

500 g	1	NSB508-500-FB
700 g	1	NSB508-700-FB

BAM/ZBF/003/21

Martillo anti chispa, AL-BR



**NS512-FB**

230 g	1	NS512-200-FB
400 g	1	NS512-400-FB
640 g	1	NS512-600-FB
970 g	1	NS512-900-FB

BAM/ZBF/002/21

Martillos mango fibra de vidrio anti chispa, CU-BE



**NSB512-FB**

200 g	1	NSB512-200-FB
400 g	1	NSB512-400-FB
600 g	1	NSB512-600-FB
900 g	1	NSB512-900-FB

BAM/ZBF/003/21

Cuña anti chispa, AL-BR



**NS600**

80 mm	1	NS600-80-13
100 mm	1	NS600-100-50
135 mm	1	NS600-135-50
150 mm	1	NS600-150-25
150 mm	1	NS600-150-30
150 mm	1	NS600-150-40
150 mm	1	NS600-150-50
180 mm	1	NS600-180-13
180 mm	1	NS600-180-32
180 mm	1	NS600-180-50
200 mm	1	NS600-200-20
200 mm	1	NS600-200-30
200 mm	1	NS600-200-40
200 mm	1	NS600-200-50
230 mm	1	NS600-230-40
250 mm	1	NS600-250-40
300 mm	1	NS600-300-50

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Cuña anti chispa, CU-BE



**NSB600**

80 mm	1	NSB600-80-13
100 mm	1	NSB600-100-50
135 mm	1	NSB600-135-50
150 mm	1	NSB600-150-25
150 mm	1	NSB600-150-30
150 mm	1	NSB600-150-40
150 mm	1	NSB600-150-50
180 mm	1	NSB600-180-13
180 mm	1	NSB600-180-32
180 mm	1	NSB600-180-50
200 mm	1	NSB600-200-20
200 mm	1	NSB600-200-30
200 mm	1	NSB600-200-40
200 mm	1	NSB600-200-50
230 mm	1	NSB600-230-40
250 mm	1	NSB600-250-40
300 mm	1	NSB600-300-50

BAM/ZBF/003/21

Palanca anti chispa, AL-BR



**NS602**

Ø	L		
16 mm	460 mm	1	NS602-460
20 mm	600 mm	1	NS602-600
22 mm	760 mm	1	NS602-760
22 mm	935 mm	1	NS602-900

BAM/ZBF/002/21

Palanca anti chispa, CU-BE



**NSB6028**

Ø	L		
16 mm	460 mm	1	NSB602-460
20 mm	600 mm	1	NSB602-600
22 mm	760 mm	1	NSB602-760
22 mm	920 mm	1	NSB602-900

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Buril anti chispa AL-BR



**NS604**

L		
140 mm	1	NS604-150
200 mm	1	NS604-200
300 mm	1	NS604-300

BAM/ZBF/002/21

Cinzel anti chispa, CU-BE



**NSB604**

L		
140 mm	1	NSB604-150
200 mm	1	NSB604-200
300 mm	1	NSB604-300

BAM/ZBF/003/21

Cortafíos anti chispa AL-BR



**NS606**

L		
150 mm	1	NS606-150
200 mm	1	NS606-200
250 mm	1	NS606-250
300 mm	1	NS606-300
400 mm	1	NS606-400

BAM/ZBF/002/21

Cinzel plano anti chispa, CU-BE



**NSB606**

L		
150 mm	1	NSB606-150
200 mm	1	NSB606-200
250 mm	1	NSB606-250
300 mm	1	NSB606-300
400 mm	1	NSB606-400

BAM/ZBF/003/21

Granete mango moleteado anti chispa, AL-BR



**NS608**

L		
100 mm	1	NS608-100

BAM/ZBF/002/21

Granete anti chispa, CU-BE



**NSB608**

L		
100 mm	1	NSB608-100

BAM/ZBF/003/21

**RASCADORES**

Rasqueta en ángulo anti chispa, AL-BR



**NS700**

L	L	
45 mm	300 mm	1 NS700-300

BAM/ZBF/002/21

Rasqueta en ángulo anti chispa, CU-BE



**NSB700**

45 mm	310 mm	1	NSB700-300

BAM/ZBF/003/21

Rasqueta hojas largas anti chispa, AL-BR



**NS704**

100 mm	720 mm	1	NS704-225

BAM/ZBF/002/21

Rasqueta flexible anti chispa, CU-BE



**NSB706**

50 mm	200 mm	1	NSB706-50
80 mm	200 mm	1	NSB706-80

BAM/ZBF/003/21

Rasqueta plana anti chispa AL-BR



**NS702**

30 mm	325 mm	1	NS702-200

BAM/ZBF/002/21

Rasqueta de hoja larga anti chispa, CU-BE



**NSB704**

100 mm	720 mm	1	NSB704-225

BAM/ZBF/003/21

Rasqueta triangular anti chispa, AL-BR



**NS708**

440 mm		1	NS708-360

BAM/ZBF/002/21

Rasqueta plana anti chispa, CU-BE



**NSB702**

30 mm	325 mm	1	NSB702-200

BAM/ZBF/003/21

Rasqueta flexible anti chispa, AL-BR



**NS706**

50 mm	200 mm	1	NS706-50
80 mm	200 mm	1	NS706-80

BAM/ZBF/002/21

Rasqueta triangular anti chispa, CU-BE



**NSB708**

450 mm		1	NSB708-360

BAM/ZBF/003/21

Rasqueta triangular anti chispa, AL-BR



**NS710**

470 mm	1	NS710-450

BAM/ZBF/002/21

Rasqueta triangular anti chispa, CU-BE



**NSB710**

470 mm	1	NSB710-450

BAM/ZBF/003/21

## HERRAMIENTAS DE JARDINERÍA

Pico anti chispa, AL-BR



**NS800**

910 mm	1	NS800-1100
910 mm	1	NS800-1700
965 mm	1	NS800-2000

BAM/ZBF/002/21

Pico anti chispa, CU-BE



**NSB800**

910 mm	2000 g	1	NSB800-1100
910 mm	2800 g	1	NSB800-1700
910 mm	3200 g	1	NSB800-2000

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Pala de punta redonda anti chispa, AL-BR



**NS802**

1370 mm	1	NS802-290

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Pala redonda anti chispa, CU-BE



**NSB802**

1450 mm	1	NSB802-290

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Cepillo de mano anti chispa, AL-BR



**NS804**

290 mm	1	NS804-290

BAM/ZBF/002/21

## EXTRACTORES

Extractores reversibles con tres garras anti chispa, AL-BR



**NS810**

50-100 mm	105 mm	1	NS810-100
60-150 mm	175 mm	1	NS810-150
70-200 mm	250 mm	1	NS810-200
80-350 mm	320 mm	1	NS810-350

BAM/ZBF/002/21

Extractores reversibles con tres garras anti chispa, CU-BE



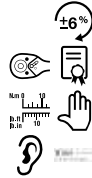
**NSB810**

50-100 mm	105 mm	1	NSB810-100
60-150 mm	175 mm	1	NSB810-150
70-200 mm	250 mm	1	NSB810-200
80-350 mm	320 mm	1	NSB810-350

BAM/ZBF/003/21

**HERRAMIENTAS DINAMOMÉTRICAS**

Llaves dinamo­métricas de disparo mecánico ajustable antichispa con visor de escala y cabeza fija de carraca de cobre al berilio

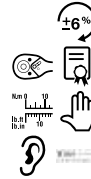


**NS041**

Size	Range (Nm)	Quantity	Part No.
1/4"	5-25 Nm	1	NS041-8-25
3/8"	10-50 Nm	1	NS041-12-50
1/2"	20-100 Nm	1	NS041-16-100
1/2"	40-200 Nm	1	NS041-16-200
1/2"	60-260 Nm	1	NS041-16-260
3/4"	150-670 Nm	1	NS041-24-670
1"	200-900 Nm	1	NS041-32-900

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Llaves dinamo­métricas de disparo mecánico ajustable antichispa con visor de escala y cabeza fija de carraca de bronce de aluminio



**NSB041**

Size	Range (Nm)	Quantity	Part No.
1/4"	5-25 Nm	1	NSB041-8-25
3/8"	10-50 Nm	1	NSB041-12-50
1/2"	20-100 Nm	1	NSB041-16-100
1/2"	40-200 Nm	1	NSB041-16-200
1/2"	60-260 Nm	1	NSB041-16-260
3/4"	150-670 Nm	1	NSB041-24-670
1"	200-900 Nm	1	NSB041-32-900

BAM/ZBF/003/21





 **ALCOY (Alicante)**  
 Complejo Industrial Sideroparc  
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