

DOGHER

TOOLS



	595		612		627
	599		615		628
	601		622		629
	610		623		631

Non-Sparking
Cu-Be 10000
Al-Br 15000



Beryllium Copper / Aluminium Brass Alloy



Cu-Be

Composition:

	Be 1,8% - 2,3%
 + 	Co+Ni > 0,2%
 +  + 	Other < 1,2%
	Cu - Rest

Hardness: 283-365 HB

Tensile strength: 1250 N/mm²

Al-Br

Composition:

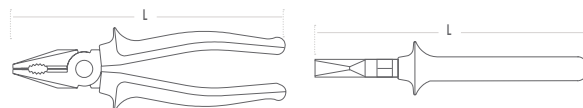
	Al 10% - 12%
	Ni 4% - 6%
 + 	Fe+Mn < 5,8%
	Other < 0,5%
	Cu - Rest

Hardness: 221-291 HB

Tensile strength: 800 N/mm²

The Safety of DOGHER TOOLS Non-Sparking Tools, is certified by the German Federal Institute for Materials Research and Examination BAM, a notified member of the European Union for certification according to Directive 94/9 / EG (ATEX). As well as by FM APPROVED, one of the most prestigious insurance companies in the world, specialized in the analysis and prevention of risks in the construction sector.



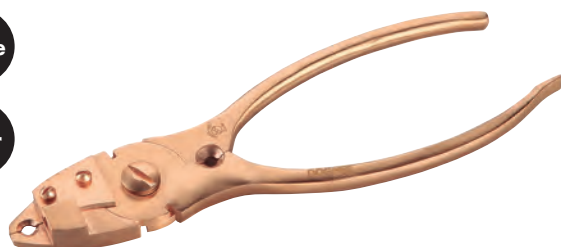


10200
15200

Gas Combination Plier

Cu-Be

Al-Br



Cu-Be

Al-Br

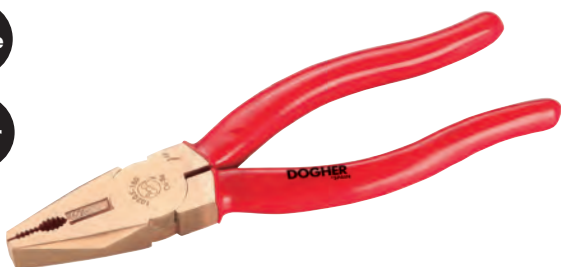
L mm	L"	Part N°	€	Part N°	€
180	7	10200-160	299,90	15200-160	229,29

10205
15205

Professional Combination Plier

Cu-Be

Al-Br



Cu-Be

Al-Br

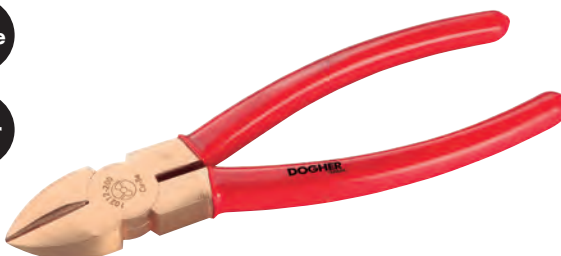
L mm	L"	Part N°	€	Part N°	€
160	6	10205-160	224,94	15205-160	183,06
180	7	10205-180	243,69	15205-180	187,38
200	8	10205-200	262,42	15205-200	213,36

10212
15212

Professional Diagonal Cutting Plier

Cu-Be

Al-Br



Cu-Be

Al-Br

L mm	L"	Part N°	€	Part N°	€
160	6	10212-160	281,17	15212-160	206,82
200	8	10212-200	293,75	15212-200	224,07

10213
15213

Professional Heavy Duty Diagonal Cutting Plier

Cu-Be

Al-Br



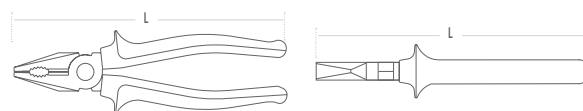
Cu-Be

Al-Br

L mm	L"	Part N°	€	Part N°	€
160	6	10213-160	296,43	15213-160	213,19
180	8	10213-180	312,06	15213-180	224,07

Cu-Be / Al-Br

Non-Sparking Professional Series Pliers



10210
15210

Professional Flat Nose Plier

Cu-Be

Al-Br



Cu-Be				Al-Br	
L mm	L"	Part N°	€	Part N°	€
160	6	10210-160	206,18	15210-160	203,97

10211
15211

Professional Round Nose Plier

Cu-Be

Al-Br



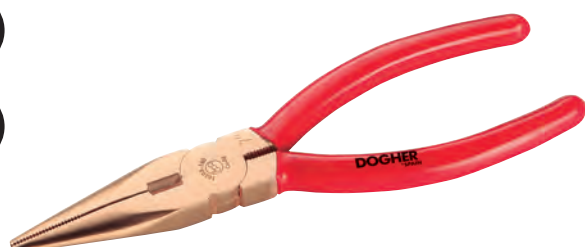
Cu-Be				Al-Br	
L mm	L"	Part N°	€	Part N°	€
160	6	10211-160	206,18	15211-160	183,57

10208
15208

Professional Long Nose Plier

Cu-Be

Al-Br



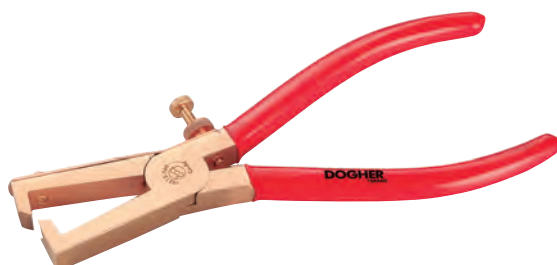
Cu-Be				Al-Br	
L mm	L"	Part N°	€	Part N°	€
150	6	10208-160	224,94	15208-160	170,25
180	7	10208-180	243,69	15208-180	178,63
200	8	10208-200	262,42	15208-200	199,46

10215
15215

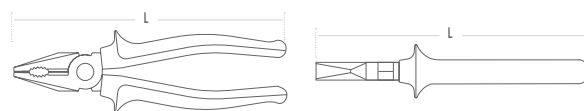
Professional Wire Stripping Plier

Cu-Be

Al-Br



Cu-Be				Al-Br	
L mm	L"	Part N°	€	Part N°	€
170	7	10215-160	304,60	15215-160	190,98



10219
15219

Gas Combination Plier

Cu-Be

Al-Br



Cu-Be

Al-Br

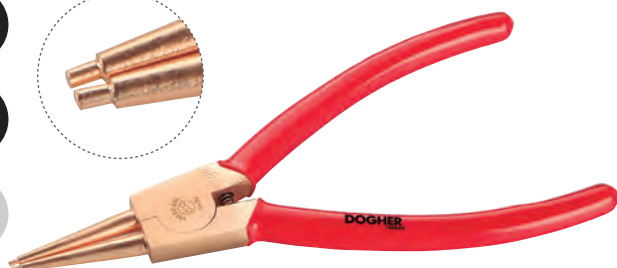
L mm	L"	Part N°	€	Part N°	€
200	8	10219-200	187,45	15219-200	173,18

10220
15220

Straight Tips External Circlip® Plier

Cu-Be

Al-Br



Cu-Be

Al-Br

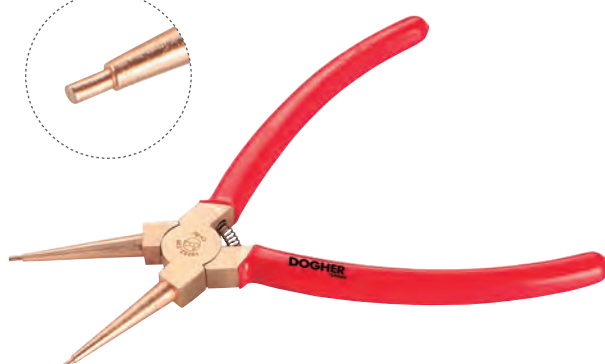
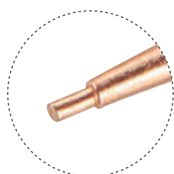
L mm	L"	Part N°	€	Part N°	€
200	8	10220-220	318,66	15220-220	276,43

10222
15222

Straight Tips Internal Circlip® Plier

Cu-Be

Al-Br



Cu-Be

Al-Br

L mm	L"	Part N°	€	Part N°	€
200	8	10222-220	318,66	15222-220	276,61

Cu-Be / Al-Br

Non-Sparking Professional Plier and Pincers



10266
15266

Notch-joint Water Pump Plier

Cu-Be

Al-Br



Cu-Be			Al-Br			
L mm	L"	Ø mm	Part N°	€	Part N°	€
250	10	45	10266-250	385,26	15266-250	237,03
300	12	55	10266-300	466,34	15266-300	287,03

10270
15270

High Leverage Professional Plier

Cu-Be

Al-Br



Two Positions

Cu-Be			Al-Br			
L mm	L"	Ø mm	Part N°	€	Part N°	€
200	8	13	10270-200	246,74	15270-200	215,04

10273
15273

Professional Carpenter Pincer

Cu-Be

Al-Br



Cu-Be			Al-Br		
L mm	L"	Part N°	€	Part N°	€
175	7	10273-180	528,61	15273-180	354,57
200	8	10273-200	533,45	15273-200	354,57

Non-Sparking Professional Series Screwdrivers

The Professional Series Screwdrivers main features are:

- Bimaterial Handle: Anti-slip elastomer.
- Cu-Be / Al-Br Round Blade: for professional use.



10330 15330

Slotted



Cu-Be

Al-Br



Cu-Be

Al-Br

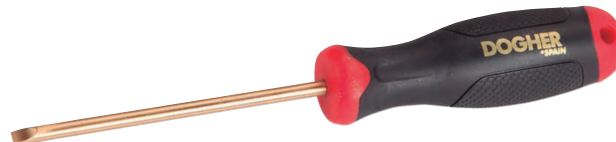
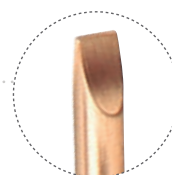
10331
15331

Straight



Cu-Be

Al-Br



Cu-Be

Al-Br

A mm	L mm	L "	Part N°	€	Part N°	
3	50	2	10330-030-050	28,12	15330-030-050	24,17
3	75	3	10330-030-075	31,87	15330-030-075	27,33
4	75	3	10330-040-075	35,61	15330-040-075	27,92
4,5	50	2	10330-045-050	31,87	15330-045-050	26,69
4,5	100	4	10330-045-100	41,37	15330-045-100	31,81
5	75	3	10330-050-075	37,49	15330-050-075	29,20
5	100	4	10330-050-100	41,25	15330-050-100	31,85
6	100	4	10330-060-100	44,99	15330-060-100	36,43
6	125	5	10330-060-125	44,99	15330-060-125	37,67
6	150	6	10330-060-150	55,23	15330-060-150	39,30
7	150	6	10330-070-150	55,14	15330-070-150	39,30
8	150	6	10330-080-150	63,74	15330-080-150	45,84
8	200	8	10330-080-200	87,76	15330-080-200	62,22
9	250	10	10330-090-250	103,33	15330-090-250	73,68
10	200	8	10330-100-200	105,94	15330-100-200	88,63
10	300	12	10330-100-300	131,22	15330-100-300	115,57
11	250	10	10330-110-250	139,11	15330-110-250	105,95
11	300	12	10330-110-300	149,96	15330-110-300	125,20
11	350	14	10330-110-350	174,18	15330-110-350	144,48
12	400	16	10330-120-400	196,29	15330-120-400	152,18
13	450	18	10330-130-450	205,79	15330-130-450	163,74

A mm	L mm	L "	Part N°	€	Part N°	
3	50	2	10331-030-050	37,49	15331-030-050	36,87
4	100	4	10331-040-100	46,86	15331-040-100	45,99
4	150	6	10331-040-150	80,99	15331-040-150	60,57
5	100	4	10331-050-100	84,13	15331-050-100	56,63
5	200	8	10331-050-200	93,73	15331-050-200	81,13
6	100	4	10331-060-100	93,73	15331-060-100	60,87
8	150	6	10331-080-150	110,11	15331-080-150	82,43
10	200	8	10331-100-200	131,22	15331-100-200	103,09
10	300	4	10331-100-300	163,98	15331-100-300	122,52

Cu-Be / Al-Br

Non-Sparking Professional Series Screwdrivers



10334
15334

Phillips

10337
15337

Pozidriv



Cu-Be

Al-Br



Cu-Be

Al-Br



	Cu-Be				Al-Br	
	L mm	L "	Part N°	€	Part N°	€
PH0	50	2	10334-PH0-050	41,25	15334-PH0-050	34,44
PH1	100	4	10334-PH1-100	41,25	15334-PH1-100	37,92
PH2	125	5	10334-PH2-125	44,99	15334-PH2-125	39,10
PH3	150	6	10334-PH3-150	65,60	15334-PH3-150	57,10
PH4	300	12	10334-PH4-300	103,11	15334-PH4-300	84,36

	Cu-Be				Al-Br	
	L mm	L "	Part N°	€	Part N°	€
PZ0	50	2	10337-PZ0-050	41,25	15337-PZ0-050	33,06
PZ1	100	4	10337-PZ1-100	41,25	15337-PZ1-100	35,71
PZ2	125	4	10337-PZ2-125	44,99	15337-PZ2-125	38,69
PZ3	150	6	10337-PZ3-150	65,60	15337-PZ3-150	57,10
PZ4	150	6	10337-PZ4-300	103,11	15337-PZ4-300	84,36

10330
15330

Plastic Box

5

Pcs



Cu-Be

Al-Br



Stamped

5 • 6 • 8

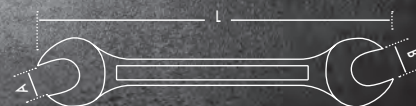
PH1 • PH2



Part N°	€	Part N°	€
10330-005	236,22	15330-005	192,38

Cu-Be / Al-Br

Non-Sparking Double Open Ended Wrenches

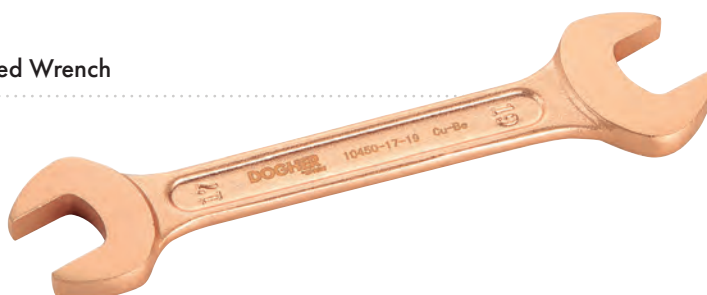


10450
15450

Double Open Ended Wrench

Cu-Be

Al-Br



Cu-Be					Al-Br		Cu-Be					Al-Br	
A mm	B mm	L mm	Part N°	€	Part N°	€	A mm	B mm	L mm	Part N°	€	Part N°	€
6	7	92	10450-06-07	33,74	15450-06-07	22,59	22	27	215	10450-22-27	140,59	15450-22-27	90,61
6	8	92	10450-06-08	33,74	15450-06-08	21,58	23	26	220	10450-23-26	144,34	15450-23-26	97,37
7	8	96	10450-07-08	35,61	15450-07-08	23,38	24	25	230	10450-24-25	149,96	15450-24-25	97,51
7	9	96	10450-07-09	35,61	15450-07-09	24,41	24	26	230	10450-24-26	153,68	15450-24-26	100,59
8	9	100	10450-08-09	37,49	15450-08-09	24,02	24	27	230	10450-24-27	157,46	15450-24-27	110,06
8	10	100	10450-08-10	39,37	15450-08-10	25,44	24	30	233	10450-24-30	166,82	15450-24-30	118,84
9	10	110	10450-09-10	41,25	15450-09-10	25,86	25	28	236	10450-25-28	179,78	15450-25-28	127,93
9	11	110	10450-09-11	43,11	15450-09-11	31,09	26	29	250	10450-26-29	178,85	15450-26-29	126,87
10	11	115	10450-10-11	44,99	15450-10-11	29,31	27	29	250	10450-27-29	183,59	15450-27-29	126,87
10	12	120	10450-10-12	48,72	15450-10-12	31,45	27	30	250	10450-27-30	183,59	15450-27-30	126,87
10	13	124	10450-10-13	52,49	15450-10-13	31,98	27	32	255	10450-27-32	201,09	15450-27-32	142,11
10	14	124	10450-10-14	52,49	15450-10-14	32,24	28	30	250	10450-28-30	189,08	15450-28-30	136,12
11	13	128	10450-11-13	56,24	15450-11-13	36,70	30	31	265	10450-30-31	206,18	15450-30-31	140,98
11	14	130	10450-11-14	56,24	15450-11-14	37,32	30	32	265	10450-30-32	244,06	15450-30-32	147,18
12	13	128	10450-12-13	59,99	15450-12-13	37,91	30	34	270	10450-30-34	233,09	15450-30-34	156,31
12	14	130	10450-12-14	59,99	15450-12-14	38,22	30	36	270	10450-30-36	233,09	15450-30-36	156,06
13	15	133	10450-13-15	63,74	15450-13-15	41,95	32	34	270	10450-32-34	277,42	15450-32-34	165,99
14	15	143	10450-14-15	67,48	15450-14-15	42,64	32	35	300	10450-32-35	277,42	15450-32-35	170,51
14	16	150	10450-14-16	70,41	15450-14-16	49,81	32	36	300	10450-32-36	277,42	15450-32-36	172,70
14	17	150	10450-14-17	74,98	15450-14-17	51,05	33	35	300	10450-33-35	299,90	15450-33-35	176,96
16	17	157	10450-16-17	78,73	15450-16-17	50,71	34	36	300	10450-34-36	299,90	15450-34-36	181,48
16	18	163	10450-16-18	82,48	15450-16-18	50,73	35	36	300	10450-35-36	309,28	15450-35-36	189,04
17	19	170	10450-17-19	86,23	15450-17-19	58,98	36	38	330	10450-36-38	309,28	15450-36-38	216,36
17	22	173	10450-17-22	97,48	15450-17-22	65,55	36	41	330	10450-36-41	328,03	15450-36-41	228,39
18	19	179	10450-18-19	101,22	15450-18-19	66,64	36	42	330	10450-36-42	346,77	15450-36-42	240,40
18	20	175	10450-18-20	104,97	15450-18-20	67,19	41	46	355	10450-41-46	412,38	15450-41-46	268,99
19	20	182	10450-19-20	108,72	15450-19-20	68,27	46	50	370	10450-46-50	506,12	15450-46-50	418,52
19	22	185	10450-19-22	112,47	15450-19-22	69,37	50	52	375	10450-50-52	562,35	15450-50-52	424,96
19	24	190	10450-19-24	116,23	15450-19-24	69,93	50	55	385	10450-50-55	618,57	15450-50-55	431,37
20	22	195	10450-20-22	116,23	15450-20-22	73,29	50	60	400	10450-50-60	697,83	15450-50-60	437,83
21	22	200	10450-21-22	121,84	15450-21-22	73,90	50	62	400	10450-50-62	694,29	15450-50-62	444,27
21	23	200	10450-21-23	121,84	15450-21-23	74,48	55	60	415	10450-55-60	824,77	15450-55-60	566,59
22	23	210	10450-22-23	125,61	15450-22-23	85,09	60	65	435	10450-60-65	896,70	15450-60-65	592,36
22	24	210	10450-22-24	125,61	15450-22-24	85,79	65	70	460	10450-65-70	955,47	15450-65-70	630,99

Cu-Be / Al-Br

Double Open Ended Wrench Sets



10450
15450

Nylon Pouch

8

Pcs

Cu-Be

Al-Br



390 x 300 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22

Cu-Be

Al-Br

Part N°	€	Part N°	€
10450-001	539,87	15450-001	347,12

10450
15450

Nylon Pouch

12

Pcs

Cu-Be

Al-Br



620 x 350 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x27 • 25x28 • 30x32

Cu-Be

Al-Br

Part N°	€	Part N°	€
10450-002	1.243,01	15450-002	806,77

10450
15450

Plastic Holder

6

Pcs

Cu-Be

Al-Br



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10450-016	322,42	15450-016	207,20

8

Pcs

Cu-Be

Al-Br



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10450-018	539,87	15450-018	347,12

10450
15450

Plastic Holder

10

Pcs

Cu-Be

Al-Br



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x27

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10450-020	819,17	15450-020	531,66

12

Pcs

Cu-Be

Al-Br



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x27 • 25x28 • 30x32

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10450-022	1.243,01	15450-022	806,77

Cu-Be / Al-Br

Non-Sparking Combination Wrenches

- Maximum load distribution
- Quick tightening
- Maximum performance without wear
- Decreases damage to nuts and bolts
- Longer lifetime of the wrench
- Maximum contact surface
- Homogeneous stress distribution

Effect of stress:



- On the wrench
- On the nut

10451
15451

Combination Wrench

Cu-Be

Al-Br



Cu-Be			Al-Br		
A mm	L mm	Part N°	€	Part N°	€
6	105	10451-06	47,58	15451-06	30,70
7	120	10451-07	51,40	15451-07	33,14
8	120	10451-08	55,81	15451-08	36,83
9	135	10451-09	60,92	15451-09	39,27
10	135	10451-10	64,53	15451-10	46,66
11	150	10451-11	69,75	15451-11	54,60
12	150	10451-12	76,74	15451-12	57,43
13	175	10451-13	80,21	15451-13	60,62
14	175	10451-14	83,72	15451-14	63,78
15	195	10451-15	95,92	15451-15	68,67
16	195	10451-16	99,40	15451-16	78,17
17	195	10451-17	113,37	15451-17	89,33
18	215	10451-18	118,60	15451-18	90,94
19	215	10451-19	122,09	15451-19	92,52
20	215	10451-20	125,56	15451-20	95,71
21	245	10451-21	136,03	15451-21	98,90
22	245	10451-22	139,53	15451-22	106,85
23	265	10451-23	146,50	15451-23	110,07
24	265	10451-24	165,68	15451-24	118,05
25	265	10451-25	174,39	15451-25	126,85
26	290	10451-26	183,12	15451-26	132,57
27	290	10451-27	191,84	15451-27	135,90

Cu-Be			Al-Br		
A mm	L mm	Part N°	€	Part N°	€
28	290	10451-28	226,73	15451-28	162,05
29	320	10451-29	235,44	15451-29	170,34
30	320	10451-30	244,16	15451-30	166,75
31	340	10451-31	279,05	15451-31	193,78
32	340	10451-32	287,76	15451-32	202,20
33	340	10451-33	330,32	15451-33	197,90
34	360	10451-34	332,80	15451-34	208,95
35	360	10451-35	336,73	15451-35	210,64
36	360	10451-36	345,99	15451-36	227,47
38	430	10451-38	359,87	15451-38	244,34
40	430	10451-40	383,69	15451-40	267,93
41	430	10451-41	427,30	15451-41	288,15
42	430	10451-42	505,76	15451-42	306,66
46	480	10451-46	523,22	15451-46	325,48
50	520	10451-50	575,53	15451-50	370,69
52	520	10451-52	666,02	15451-52	400,18
55	560	10451-55	645,29	15451-55	446,03
60	595	10451-60	715,07	15451-60	483,21
65	595	10451-65	971,31	15451-65	556,76
70	630	10451-70	1.094,84	15451-70	602,20
75	630	10451-75	1.227,82	15451-75	656,47
80	660	10451-80	1.455,39	15451-80	765,90

10451
15451

Nylon Pouch

14

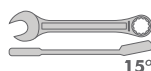
Pcs

Cu-Be

Al-Br



650 x 440 mm



• 8 • 9 • 10 • 11 • 12 • 13 • 14
• 17 • 19 • 22 • 24 • 27 • 30 • 32

Cu-Be

Al-Br

Part N°	€	Part N°	€
10451-002	1.756,11	15451-002	1.270,78

17

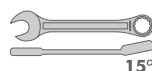
Pcs

Cu-Be

Al-Br



470 x 450 mm



• 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14
• 15 • 16 • 17 • 18 • 19 • 20 • 21 • 22

Cu-Be

Al-Br

Part N°	€	Part N°	€
10451-003	1.541,17	15451-003	1.144,13

10451
15451

Nylon Pouch

24

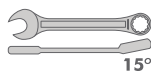
Pcs

Cu-Be

Al-Br



650 x 580 mm



• 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14
• 15 • 16 • 17 • 18 • 19 • 20 • 21 • 22 • 24
• 26 • 27 • 28 • 30 • 32 • 36

Cu-Be

Al-Br

Part N°	€	Part N°	€
10451-005	3.186,45	15451-005	2.289,12

26

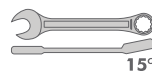
Pcs

Cu-Be

Al-Br



650 x 500 mm



• 6 • 7 • 8 • 9 • 10 • 11 • 12 • 13 • 14
• 15 • 16 • 17 • 18 • 19 • 20 • 21 • 22 • 23
• 24 • 25 • 26 • 27 • 28 • 29 • 30 • 32

Cu-Be

Al-Br

Part N°	€	Part N°	€
10451-006	3.396,79	15451-006	2.468,90

Cu-Be / Al-Br

Combination Wrenches Sets



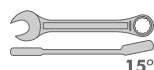
10451
15451

Plastic Holder

8

Pcs

CrV

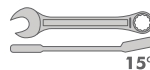


8 • 10 • 11 • 12 • 13 • 14 • 17 • 19

12

Pcs

CrV



8 • 9 • 10 • 11 • 12 • 13
14 • 15 • 16 • 17 • 18 • 19

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10451-018	666,22	15451-018	501,76

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10451-022	1.041,06	15451-022	778,82

10454
15454

Double Ring Flat Wrench

Cu-Be

Al-Br



Cu-Be			Al-Br			
mm	mm	L mm	Part N°	€	Part N°	
6	7	95	10454-06-07	63,22	15454-06-07	45,81
7	9	115	10454-07-09	64,69	15454-07-09	46,73
8	9	115	10454-08-09	58,04	15454-08-09	48,59
9	11	125	10454-09-11	61,30	15454-09-11	51,42
10	11	140	10454-10-11	67,30	15454-10-11	52,45
10	12	140	10454-10-12	75,23	15454-10-12	54,48
12	14	145	10454-12-14	82,97	15454-12-14	56,55
13	15	155	10454-13-15	99,42	15454-13-15	67,18
14	17	165	10454-14-17	101,48	15454-14-17	68,50
16	18	170	10454-16-18	132,92	15454-16-18	89,31
17	19	185	10454-17-19	146,33	15454-17-19	98,31
17	22	200	10454-17-22	157,86	15454-17-22	108,15
18	19	185	10454-18-19	162,34	15454-18-19	108,80
19	21	200	10454-19-21	162,99	15454-19-21	121,92
19	22	200	10454-19-22	165,26	15454-19-22	124,82
20	22	200	10454-20-22	166,30	15454-20-22	127,78
21	23	220	10454-21-23	178,91	15454-21-23	137,81
22	24	220	10454-22-24	214,67	15454-22-24	153,17
24	27	255	10454-24-27	230,57	15454-24-27	177,07
25	28	265	10454-25-28	256,42	15454-25-28	197,95
26	28	265	10454-26-28	277,33	15454-26-28	205,85
27	30	280	10454-27-30	292,33	15454-27-30	210,05
27	32	295	10454-27-32	302,33	15454-27-32	231,71
30	32	295	10454-30-32	339,96	15454-30-32	245,97
30	36	330	10454-30-36	426,01	15454-30-36	307,46
32	36	330	10454-32-36	511,58	15454-32-36	368,95
36	41	365	10454-36-41	737,36	15454-36-41	532,71
41	46	405	10454-41-46	711,60	15454-41-46	631,58
46	50	425	10454-46-50	786,23	15454-46-50	718,99

Cu-Be / Al-Br

Non-Sparking Double Ring Offset

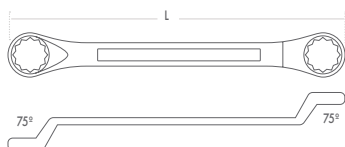


10453
15453

Double Ring Offset Wrench

Cu-Be

Al-Br



Cu-Be

Al-Br

mm	mm	L mm	Part N°	€	Part N°	€
6	7	180	10453-06-07	39,37	15453-06-07	30,00
8	9	190	10453-08-09	44,99	15453-08-09	35,52
10	11	215	10453-10-11	54,37	15453-10-11	40,53
12	13	225	10453-12-13	78,73	15453-12-13	62,77
14	15	255	10453-14-15	97,48	15453-14-15	73,22
14	17	255	10453-14-17	104,97	15453-14-17	78,50
16	17	280	10453-16-17	112,47	15453-16-17	82,06
16	18	280	10453-16-18	116,23	15453-16-18	90,33
18	19	280	10453-18-19	142,46	15453-18-19	88,68
20	22	320	10453-20-22	172,44	15453-20-22	101,59
21	23	320	10453-21-23	179,94	15453-21-23	106,03
22	24	330	10453-22-24	191,20	15453-22-24	122,84
24	26	340	10453-24-26	209,93	15453-24-26	131,07
24	27	340	10453-24-27	213,69	15453-24-27	124,75
25	28	350	10453-25-28	224,94	15453-25-28	131,07
27	29	350	10453-27-29	241,80	15453-27-29	144,31
30	32	370	10453-30-32	299,90	15453-30-32	176,69
34	36	430	10453-34-36	384,26	15453-34-36	224,90
36	41	470	10453-36-41	449,87	15453-36-41	263,30
41	46	500	10453-41-46	637,34	15453-41-46	373,02
46	50	525	10453-46-50	749,80	15453-46-50	438,84

10453
15453

Nylon Pouch

6

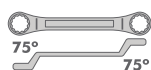
Pcs

Cu-Be

Al-Br



350 x 330 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10453-001	427,40	15453-001	324,10

10453
15453

Nylon Pouch

8

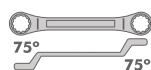
Pcs

Cu-Be

Al-Br



390 x 380 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15
• 16x17 • 18x19 • 20x22

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10453-002	742,30	15453-002	514,36

10453
15453

Nylon Pouch

12

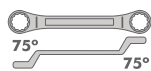
Pcs

Cu-Be

Al-Br



620 x 480 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x27 • 25x28 • 30x32

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10453-003	1.660,77	15453-003	1.052,91

10453
15453

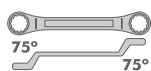
Plastic Holder

6

Pcs

Cu-Be

Al-Br



• 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10453-016	530,49	15453-016	382,77

Cu-Be / Al-Br

Non-Sparking Adjustable Wrenches

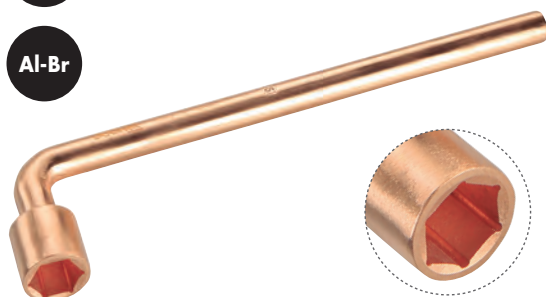


10462
15462

Angled Hex Socket Wrench

Cu-Be

Al-Br



mm	L mm	L2 mm	Cu-Be		Al-Br	
			Part N°	€	Part N°	€
13	240	45	10462-13	131,22	15462-13	93,25
17	245	45	10462-17	187,45	15462-17	133,22
19	250	48	10462-19	196,81	15462-19	139,87
22	278	59	10462-22	262,42	15462-22	186,50
24	286	63	10462-24	281,17	15462-24	192,79
27	294	69	10462-27	299,90	15462-27	213,14
30	302	75	10462-30	337,39	15462-30	239,80
32	310	81	10462-32	374,91	15462-32	266,45
36	330	85	10462-36	431,12	15462-36	306,39
41	350	90	10462-41	524,85	15462-41	373,02

10493
15493

Professional Adjustable Wrench

Cu-Be

Al-Br



L mm	L "	mm	Cu-Be		Al-Br	
			Part N°	€	Part N°	€
150	6	18	10493-150	232,81	15493-150	156,57
200	8	24	10493-200	247,43	15493-200	153,02
250	10	30	10493-250	329,91	15493-250	216,18
300	12	36	10493-300	366,53	15493-300	275,33
375	15	46	10493-375	560,27	15493-375	433,04
450	18	55	10493-450	761,01	15493-450	613,77
600	24	65	10493-600	1.405,07	15493-600	1.052,27
900	36	70	10493-900	3.122,42	15493-900	2.160,20

10471
15471

Flexible Hook Wrench

Cu-Be

Al-Br



mm	L mm	Part N°	€	Al-Br	
				Part N°	€
32~75	205	10471-32-75	243,90	15471-32-75	180,67
50~120	288	10471-50-120	382,65	15471-50-120	283,45
115~170	310	10471-115-170	597,63	15471-115-170	476,03

10484
15484

Deep Offset Slogging Ring Wrench

Cu-Be

Al-Br



Cu-Be

Al-Br

mm	L mm	Part N°	€	Part N°	€
24	180	10484-24	462,19	15484-24	316,32
27	190	10484-27	462,19	15484-27	316,32
30	200	10484-30	462,19	15484-30	316,32
32	235	10484-32	462,19	15484-32	316,32
36	245	10484-36	491,07	15484-36	336,08
41	265	10484-41	502,86	15484-41	336,06
46	280	10484-46	555,39	15484-46	371,16
50	290	10484-50	674,92	15484-50	451,02
55	300	10484-55	795,14	15484-55	544,17

10484
15484

Deep Offset Slogging Ring Wrench Bar

Cu-Be

Al-Br



Cu-Be

Al-Br

L mm	Part N°	€	Part N°	€
460	10484-001	339,94	15484-001	232,65
610	10484-002	447,47	15484-002	306,24
760	10484-003	548,91	15484-003	375,66

Cu-Be / Al-Br

Non-Sparking Slogging Open Ended Wrench



10478
15478

Open Ended Slogging Wrench

Cu-Be

Al-Br

DIN133



Cu-Be			Al-Br		
A mm	L mm	Part N°	€	Part N°	€
17	125	10478-17	129,77	15478-17	88,74
19	125	10478-19	134,53	15478-19	92,28
22	135	10478-22	140,00	15478-22	95,84
24	150	10478-24	150,09	15478-24	102,93
25	150	10478-25	168,86	15478-25	115,37
27	175	10478-27	170,51	15478-27	116,46
28	175	10478-28	171,93	15478-28	117,57
29	190	10478-29	178,07	15478-29	141,97
30	190	10478-30	206,18	15478-30	143,33
32	190	10478-32	206,18	15478-32	150,86
33	200	10478-33	206,18	15478-33	159,73
34	200	10478-34	206,18	15478-34	161,25
35	210	10478-35	246,89	15478-35	168,61
36	200	10478-36	249,08	15478-36	170,22
37	220	10478-37	272,18	15478-37	181,96
38	220	10478-38	271,79	15478-38	185,90
41	230	10478-41	298,83	15478-41	204,11
42	230	10478-42	350,40	15478-42	239,19
45	250	10478-45	377,37	15478-45	257,34
46	250	10478-46	380,67	15478-46	259,80
47	250	10478-47	408,99	15478-47	279,54
50	275	10478-50	441,39	15478-50	301,72
52	275	10478-52	459,24	15478-52	331,88
54	305	10478-54	459,24	15478-54	346,10

Cu-Be			Al-Br		
A mm	L mm	Part N°	€	Part N°	€
55	305	10478-55	506,39	15478-55	346,10
56	305	10478-56	524,85	15478-56	362,57
58	315	10478-58	524,85	15478-58	429,69
60	315	10478-60	642,62	15478-60	433,79
63	335	10478-63	674,82	15478-63	465,71
65	335	10478-65	701,49	15478-65	479,19
67	335	10478-67	749,80	15478-67	570,45
70	370	10478-70	922,54	15478-70	630,06
71	370	10478-71	967,62	15478-71	660,04
75	375	10478-75	993,47	15478-75	709,49
77	375	10478-77	1.124,70	15478-77	792,09
80	400	10478-80	1.124,70	15478-80	836,67
82	400	10478-82	1.126,43	15478-82	917,46
85	400	10478-85	1.134,06	15478-85	953,31
88	445	10478-88	1.312,13	15478-88	1.080,05
90	445	10478-90	1.349,64	15478-90	1.143,33
94	445	10478-94	1.499,60	15478-94	1.179,03
95	445	10478-95	1.536,95	15478-95	1.208,51
100	485	10478-100	2.061,84	15478-100	1.425,13
105	485	10478-105	2.436,73	15478-105	1.733,74
110	513	10478-110	2.624,25	15478-110	1.806,36
115	513	10478-115	2.811,74	15478-115	2.164,49
120	530	10478-120	2.999,10	15478-120	2.315,17

**10452
15452**

Slogging Ring Wrench

Cu-Be

Al-Br

DIN133



Cu-Be						Al-Br					
mm	L mm	Part N°	€	Part N°	€	mm	L mm	Part N°	€	Part N°	€
17	145	10452-17	130,81	15452-17	92,16	60	274	10452-60	582,57	15452-60	380,63
19	145	10452-19	140,13	15452-19	98,46	61	274	10452-61	603,09	15452-61	404,71
20	155	10452-20	143,78	15452-20	99,35	62	274	10452-62	617,09	15452-62	412,88
22	155	10452-22	147,42	15452-22	100,23	63	298	10452-63	636,59	15452-63	425,81
24	165	10452-24	151,05	15452-24	101,98	64	298	10452-64	655,56	15452-64	438,69
25	165	10452-25	171,72	15452-25	119,05	65	298	10452-65	656,76	15452-65	416,32
26	175	10452-26	171,91	15452-26	119,09	66	298	10452-66	663,36	15452-66	444,50
27	175	10452-27	171,91	15452-27	119,09	67	320	10452-67	674,71	15452-67	451,62
28	175	10452-28	179,75	15452-28	124,96	68	320	10452-68	812,85	15452-68	545,25
29	185	10452-29	184,25	15452-29	127,74	69	320	10452-69	814,93	15452-69	545,25
30	185	10452-30	191,25	15452-30	132,70	70	320	10452-70	816,28	15452-70	525,30
31	185	10452-31	197,91	15452-31	136,92	71	320	10452-71	819,97	15452-71	549,16
32	185	10452-32	200,49	15452-32	139,19	72	320	10452-72	827,03	15452-72	553,04
33	200	10452-33	218,38	15452-33	152,72	73	326	10452-73	833,48	15452-73	577,30
34	200	10452-34	227,49	15452-34	152,00	74	326	10452-74	837,95	15452-74	581,34
35	205	10452-35	238,85	15452-35	159,86	75	326	10452-75	842,83	15452-75	585,37
36	205	10452-36	242,49	15452-36	158,61	76	326	10452-76	884,58	15452-76	614,06
37	215	10452-37	265,84	15452-37	185,21	77	326	10452-77	894,93	15452-77	621,73
38	215	10452-38	287,85	15452-38	188,32	78	350	10452-78	921,73	15452-78	639,87
39	215	10452-39	336,17	15452-39	233,36	79	350	10452-79	948,34	15452-79	658,04
40	225	10452-40	354,90	15452-40	237,74	80	350	10452-80	973,34	15452-80	676,19
41	225	10452-41	361,72	15452-41	235,83	81	350	10452-81	1.028,96	15452-81	714,05
42	225	10452-42	392,95	15452-42	256,46	82	350	10452-82	1.042,48	15452-82	722,47
43	225	10452-43	403,28	15452-43	269,74	83	355	10452-83	1.054,37	15452-83	730,88
44	235	10452-44	405,02	15452-44	262,87	84	355	10452-84	1.067,35	15452-84	739,31
45	235	10452-45	405,81	15452-45	267,45	85	355	10452-85	1.079,04	15452-85	747,75
46	235	10452-46	409,63	15452-46	267,62	86	355	10452-86	1.182,93	15452-86	808,82
47	235	10452-47	443,47	15452-47	296,95	87	355	10452-87	1.201,13	15452-87	846,56
48	250	10452-48	451,04	15452-48	298,43	88	380	10452-88	1.247,77	15452-88	844,46
49	250	10452-49	458,75	15452-49	307,30	89	380	10452-89	1.273,79	15452-89	883,07
50	250	10452-50	467,63	15452-50	304,83	90	380	10452-90	1.292,12	15452-90	832,00
51	250	10452-51	479,27	15452-51	320,22	92	380	10452-92	1.328,50	15452-92	925,54
52	250	10452-52	490,09	15452-52	328,09	94	390	10452-94	1.346,71	15452-94	959,67
53	265	10452-53	494,75	15452-53	330,72	95	390	10452-95	1.397,92	15452-95	971,54
54	265	10452-54	498,19	15452-54	333,34	98	410	10452-98	1.546,89	15452-98	1.116,87
55	265	10452-55	501,96	15452-55	327,77	100	410	10452-100	1.601,41	15452-100	1.138,63
56	265	10452-56	546,44	15452-56	365,76	105	420	10452-105	1.637,85	15452-105	1.163,72
57	265	10452-57	556,09	15452-57	371,86	110	445	10452-110	2.040,74	15452-110	1.362,33
58	274	10452-58	563,54	15452-58	377,95	115	450	10452-115	2.547,69	15452-115	1.514,45
59	274	10452-59	573,64	15452-59	384,05	120	480	10452-120	2.621,65	15452-120	1.747,46

Cu-Be / Al-Br

Non-Sparking Slogging Ring Wrench



10452
15452

Slogging Ring Wrench

Cu-Be

Al-Br

DIN7444

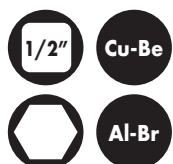


SAE	Cu-Be			Al-Br	
 "	L mm	Part N°	€	Part N°	€
5/8	145	10452-5/8	138,89	15452-5/8	92,97
11/16	145	10452-11/16	154,70	15452-11/16	104,12
3/4	145	10452-3/4	163,78	15452-3/4	109,70
25/32	145	10452-25/32	130,72	15452-25/32	105,15
13/16	155	10452-13/16	148,78	15452-13/16	112,99
7/8	155	10452-7/8	172,88	15452-7/8	116,60
15/16	165	10452-15/16	180,74	15452-15/16	118,57
1	175	10452-1	181,98	15452-1	120,50
1.1/16	175	10452-1.1/16	181,98	15452-1.1/16	124,39
1.1/8	185	10452-1.1/8	191,08	15452-1.1/8	128,30
1.3/16	185	10452-1.3/16	200,18	15452-1.3/16	132,00
1.1/4	185	10452-1.1/4	200,18	15452-1.1/4	145,77
1.5/16	200	10452-1.5/16	224,11	15452-1.5/16	149,67
1.3/8	200	10452-1.3/8	230,89	15452-1.3/8	153,55
1.13/32	205	10452-1.13/32	291,18	15452-1.13/32	187,10
1.7/16	205	10452-1.7/16	291,18	15452-1.7/16	198,11
1.1/2	215	10452-1.1/2	309,37	15452-1.1/2	201,04
1.9/16	225	10452-1.9/16	324,61	15452-1.9/16	209,13
1.5/8	225	10452-1.5/8	346,32	15452-1.5/8	223,38
1.11/16	225	10452-1.11/16	391,27	15452-1.11/16	228,98
1.3/4	235	10452-1.3/4	400,37	15452-1.3/4	234,55
1.13/16	235	10452-1.13/16	418,17	15452-1.13/16	263,60
1.7/8	235	10452-1.7/8	435,48	15452-1.7/8	291,07
1.15/16	250	10452-1.15/16	460,66	15452-1.15/16	300,51
2	250	10452-2	463,89	15452-2	309,99
2.1/16	265	10452-2.1/16	509,55	15452-2.1/16	328,90
2.1/8	265	10452-2.1/8	527,75	15452-2.1/8	347,83
2.3/16	265	10452-2.3/16	545,97	15452-2.3/16	366,79
2.13/64	265	10452-2.13/64	545,97	15452-2.13/64	366,79
2.1/4	274	10452-2.1/4	564,16	15452-2.1/4	379,91

SAE		Cu-Be		Al-Br	
 mm	L mm	Part N°	€	Part N°	€
2.5/16	274	10452-2.5/16	564,16	15452-2.5/16	407,25
2.3/8	274	10452-2.3/8	582,37	15452-2.3/8	418,24
2.7/16	274	10452-2.7/16	582,37	15452-2.7/16	423,77
2.1/2	298	10452-2.1/2	600,55	15452-2.1/2	429,25
2.9/16	298	10452-2.9/16	652,32	15452-2.9/16	412,54
2.5/8	298	10452-2.5/8	709,76	15452-2.5/8	450,03
2.3/4	320	10452-2.3/4	764,34	15452-2.3/4	562,54
2.13/16	320	10452-2.13/16	846,25	15452-2.13/16	600,05
2.7/8	326	10452-2.7/8	990,60	15452-2.7/8	626,14
2.15/16	326	10452-2.15/16	891,74	15452-2.15/16	636,56
3	326	10452-3	946,34	15452-3	645,70
3.1/16	350	10452-3.1/16	1.019,13	15452-3.1/16	684,86
3.1/8	350	10452-3.1/8	1.055,53	15452-3.1/8	730,19
3.1/4	355	10452-3.1/4	1.091,92	15452-3.1/4	750,46
3.3/8	355	10452-3.3/8	1.128,31	15452-3.3/8	769,22
3.1/2	380	10452-3.1/2	1.217,74	15452-3.1/2	796,09
3.9/16	380	10452-3.9/16	1.273,91	15452-3.9/16	841,74
3.5/8	390	10452-3.5/8	1.383,11	15452-3.5/8	952,53
3.3/4	390	10452-3.3/4	1.455,91	15452-3.3/4	993,18
3.7/8	410	10452-3.7/8	1.710,55	15452-3.7/8	1.072,63
3.15/16	410	10452-3.15/16	1.783,41	15452-3.15/16	1.158,42
4	410	10452-4	1.947,21	15452-4	1.204,78
4.1/8	420	10452-4.1/8	2.001,84	15452-4.1/8	1.251,13
4.1/4	445	10452-4.1/4	2.183,84	15452-4.1/4	1.403,79
4.5/16	445	10452-4.5/16	2.365,85	15452-4.5/16	1.438,86
4.1/2	450	10452-4.1/2	3.383,56	15452-4.1/2	1.717,02
4.9/16	450	10452-4.9/16	2.729,68	15452-4.9/16	1.738,21
4.11/16	480	10452-4.11/16	3.093,70	15452-4.11/16	1.798,65
4.7/8	480	10452-4.7/8	3.457,69	15452-4.7/8	2.060,51
4.15/16	480	10452-4.15/16	3.639,69	15452-4.15/16	2.268,55

**10531
15531**

Hexagonal



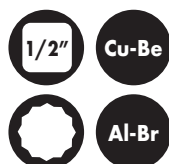
Cu-Be

Al-Br

mm	L mm	Part N°	€	Part N°	€
6	40	10531-06	95,44	15531-06	81,04
7	40	10531-07	97,69	15531-07	83,14
8	40	10531-08	100,33	15531-08	85,11
9	40	10531-09	102,34	15531-09	87,19
10	40	10531-10	94,86	15531-10	89,16
11	40	10531-11	99,75	15531-11	91,18
12	40	10531-12	106,31	15531-12	93,22
13	40	10531-13	111,21	15531-13	95,23
14	40	10531-14	112,86	15531-14	97,29
15	40	10531-15	116,13	15531-15	99,35
16	40	10531-16	120,20	15531-16	101,33
17	40	10531-17	118,31	15531-17	109,42
18	42	10531-18	127,56	15531-18	111,42
19	42	10531-19	133,29	15531-19	113,48
20	42	10531-20	134,95	15531-20	115,50
21	43	10531-21	139,01	15531-21	121,58
22	43	10531-22	143,91	15531-22	125,64
23	43	10531-23	152,33	15531-23	129,69
24	43	10531-24	161,84	15531-24	137,79
25	43	10531-25	181,54	15531-25	141,84
26	43	10531-26	194,63	15531-26	151,98
27	46	10531-27	204,43	15531-27	158,06
28	46	10531-28	215,89	15531-28	162,11
29	46	10531-29	232,56	15531-29	177,01
30	46	10531-30	240,42	15531-30	178,33
32	46	10531-32	264,15	15531-32	182,50

**10530
15530**

Bihexagonal



Cu-Be

Al-Br

mm	L mm	Part N°	€	Part N°	€
6	40	10530-06	95,44	15530-06	77,61
7	40	10530-07	97,69	15530-07	79,42
8	40	10530-08	100,33	15530-08	81,58
9	40	10530-09	102,34	15530-09	83,21
10	40	10530-10	94,86	15530-10	77,12
11	40	10530-11	99,75	15530-11	81,09
12	40	10530-12	106,31	15530-12	86,44
13	40	10530-13	111,21	15530-13	90,43
14	40	10530-14	112,86	15530-14	91,75
15	40	10530-15	116,13	15530-15	94,41
16	40	10530-16	120,20	15530-16	97,74
17	40	10530-17	118,31	15530-17	96,18
18	42	10530-18	127,56	15530-18	103,71
19	42	10530-19	133,29	15530-19	108,38
20	42	10530-20	134,95	15530-20	109,71
21	43	10530-21	139,01	15530-21	113,02
22	43	10530-22	143,91	15530-22	117,00
23	43	10530-23	152,33	15530-23	123,83
24	43	10530-24	161,84	15530-24	131,56
25	43	10530-25	181,54	15530-25	147,59
26	43	10530-26	194,63	15530-26	158,24
27	46	10530-27	204,43	15530-27	166,20
28	46	10530-28	215,89	15530-28	175,52
29	46	10530-29	232,56	15530-29	189,07
30	46	10530-30	240,42	15530-30	195,47
32	46	10530-32	264,15	15530-32	214,76

**10544
15544**

Ratchet Handle



Cu-Be			Al-Br		
Lmm	Part N°	€	Part N°		
245	10544-001	339,46	15544-001	316,03	

Cu-Be / Al-Br

1/2"

Non-Sparking Accessories for Sockets



10543
15543

Universal Joint



10543
15543

Increasing Adaptor



1/2"

Cu-Be

Al-Br

Part N°	€	Part N°	€
10543-009	297,84	15543-009	188,17

1/2"

3/4"

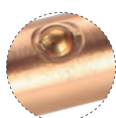
Cu-Be

Al-Br

	Part N°	€	Part N°	€
1/2"	10543-011	234,96	15543-011	158,77

10543
15543

Sliding "T" Handle



1/2"

Cu-Be

Al-Br

	L mm	Part N°	€	Part N°	€
1/2"	250	10543-025	231,45	15543-025	227,54

10543
15543

Extension



1/2"

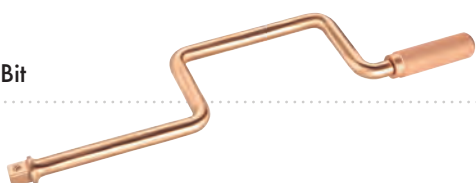
Cu-Be

Al-Br

L mm	Part N°	€	Part N°	€
100	10543-100	200,59	15543-100	153,95
200	10543-200	222,19	15543-200	169,06
250	10543-250	216,02	15543-250	185,69

10543
15543

Brace Bit



1/2"

Cu-Be

Al-Br

L mm	H mm	Part N°	€	Part N°	€
390	96	10543-400	450,70	15543-400	309,71

10465
15465

"L" Type Handle



1/2"

Cu-Be

Al-Br

	L mm	L2 mm	Part N°	€	Part N°	€
1/2"	230	60	10465-1/2-225	267,96	15465-1/2-225	198,06

10531
15531

Socket Set

24

Pcs

1/2"



Sockets



8 • 10 • 11 • 12 • 13 • 14 • 15 • 16 • 17 • 18 • 19 • 20 • 21 • 22 • 24 • 27 • 30 • 32

Universal Joint



• Sliding "T" Handle



Brace Bit



• Extensions



250 mm
100 mm

Ratchet Handle



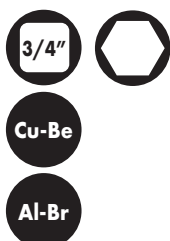
Cu-Be

Al-Br

Part N°	€	Part N°	€
10531-001	4.265,58	15531-001	3.170,64

**10549
15549**

Hexagonal



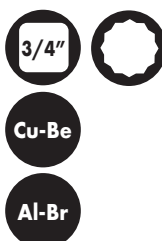
Cu-Be

Al-Br

	L mm	Part N°	€	Part N°	€
17	50	10549-17	159,09	15549-17	130,87
18	50	10549-18	196,24	15549-18	131,28
19	50	10549-19	159,78	15549-19	131,68
21	55	10549-21	175,93	15549-21	144,81
22	55	10549-22	180,19	15549-22	146,34
23	55	10549-23	197,74	15549-23	154,62
24	55	10549-24	202,31	15549-24	164,96
26	55	10549-26	210,52	15549-26	166,71
27	55	10549-27	214,19	15549-27	176,86
28	55	10549-28	227,31	15549-28	185,69
29	55	10549-29	275,40	15549-29	198,55
30	60	10549-30	292,09	15549-30	209,40
32	60	10549-32	329,30	15549-32	236,50
34	60	10549-34	354,33	15549-34	255,47
36	60	10549-36	380,67	15549-36	245,17
38	60	10549-38	406,36	15549-38	291,38
41	65	10549-41	446,78	15549-41	289,09
46	65	10549-46	528,33	15549-46	341,53
50	70	10549-50	579,03	15549-50	416,07

**10548
15548**

Bihexagonal



Cu-Be

Al-Br

	L mm	Part N°	€	Part N°	€
17	50	10548-17	159,09	15548-17	130,87
18	50	10548-18	196,24	15548-18	131,28
19	50	10548-19	159,78	15548-19	131,68
21	55	10548-21	175,93	15548-21	144,81
22	55	10548-22	180,19	15548-22	146,34
23	55	10548-23	197,74	15548-23	154,62
24	55	10548-24	202,31	15548-24	164,96
26	55	10548-26	210,52	15548-26	166,71
27	55	10548-27	214,19	15548-27	176,86
28	55	10548-28	227,31	15548-28	185,69
29	55	10548-29	275,40	15548-29	198,55
30	60	10548-30	292,09	15548-30	209,40
32	60	10548-32	329,30	15548-32	236,50
34	60	10548-34	354,33	15548-34	255,47
36	60	10548-36	380,67	15548-36	245,17
38	60	10548-38	406,36	15548-38	291,38
41	65	10548-41	446,78	15548-41	289,09
46	65	10548-46	528,33	15548-46	341,53
50	70	10548-50	579,03	15548-50	416,07

**10554
15554**

Ratchet Handle



Cu-Be

Al-Br

Lmm	Part N°	€	Part N°	€
320	10554-001	678,90	15554-001	635,52

Cu-Be / Al-Br

3/4"

Non-Sparking Accessories for Sockets



10553
15553

Universal Joint



3/4"

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10553-009	617,17	15553-009	474,74

10553
15553

Increasing Adaptor



3/4"

1"

		Cu-Be		Al-Br	
		Part N°	€	Part N°	€
3/4"	1"	10553-011	477,81	15553-011	323,95

10553
15553

Reducing Adaptor



3/4"

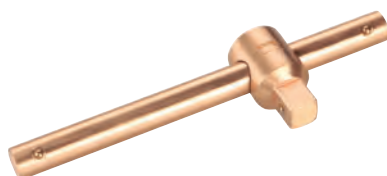
1/2"

		Cu-Be		Al-Br	
		Part N°	€	Part N°	€
3/4"	1/2"	10553-012	279,37	15553-012	193,68

10553
15553

Sliding "T" Handle

3/4"

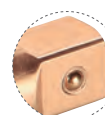


Cu-Be			Al-Br		
	L mm	Part N°	€	Part N°	€
3/4"	450	10553-014	354,86	15553-014	272,98

10553
15553

Extension

3/4"



Cu-Be		Al-Br		
L mm	Part N°	€	Part N°	€
200	10553-200	311,66	15553-200	253,59

10531
15531

Socket Set

14

Pcs

3/4"



Sockets



19 • 22 • 24 • 27 • 30 • 32 • 36 • 38 • 41 • 46 • 50

Sliding "T" Handle



Extensions



200 mm

Ratchet Handle



Cu-Be		Al-Br	
Part N°	€	Part N°	€
10549-001	5.064,46	15549-001	3.811,05

**10558
15558**

Hexagonal

1"



Cu-Be

Al-Br


Cu-Be
Al-Br

	L mm	Part N°	€	Part N°	€
22	55	10558-22	226,10	15558-22	163,41
24	55	10558-24	261,78	15558-24	180,45
26	55	10558-26	285,58	15558-26	223,03
27	55	10558-27	309,40	15558-27	230,76
28	55	10558-28	305,42	15558-28	235,43
29	55	10558-29	356,96	15558-29	240,86
30	60	10558-30	380,76	15558-30	246,27
31	60	10558-31	358,94	15558-31	266,41
32	60	10558-32	402,18	15558-32	284,98
34	60	10558-34	475,94	15558-34	300,48
36	65	10558-36	499,74	15558-36	322,19
38	65	10558-38	523,56	15558-38	346,96
41	70	10558-41	535,46	15558-41	394,18
46	75	10558-46	583,05	15558-46	438,34
50	75	10558-50	618,73	15558-50	481,68
55	80	10558-55	678,25	15558-55	543,65
60	85	10558-60	844,83	15558-60	607,16
65	90	10558-65	904,33	15558-65	673,77
70	90	10558-70	999,52	15558-70	741,90
75	95	10558-75	1.187,53	15558-75	810,07
80	95	10558-80	1.261,29	15558-80	880,56

**10557
15557**

Bihexagonal

1"



Cu-Be

Al-Br


Cu-Be
Al-Br

	L mm	Part N°	€	Part N°	€
22	55	10557-22	226,10	15557-22	179,43
24	55	10557-24	261,78	15557-24	207,75
26	55	10557-26	285,58	15557-26	226,65
27	55	10557-27	309,40	15557-27	245,54
28	55	10557-28	305,42	15557-28	242,39
29	55	10557-29	356,96	15557-29	283,30
30	60	10557-30	380,76	15557-30	302,18
31	60	10557-31	358,94	15557-31	284,87
32	60	10557-32	402,18	15557-32	319,20
34	60	10557-34	475,94	15557-34	370,18
36	65	10557-36	499,74	15557-36	396,62
38	65	10557-38	523,56	15557-38	415,51
41	70	10557-41	535,46	15557-41	424,97
46	75	10557-46	583,05	15557-46	462,74
50	75	10557-50	618,73	15557-50	491,06
55	80	10557-55	678,25	15557-55	538,29
60	85	10557-60	844,83	15557-60	670,51
65	90	10557-65	904,33	15557-65	717,73
70	90	10557-70	999,52	15557-70	793,28
75	95	10557-75	1.187,53	15557-75	942,49
80	95	10557-80	1.261,29	15557-80	1.001,02

**10560
15560**

Ratchet Handle

1"

Cu-Be


Cu-Be
Al-Br

Lmm	Part N°	€	Part N°	€
550	10560-001	1.419,51	15560-001	1.232,80

Cu-Be / Al-Br

1"

Non-Sparking Accessories for Sockets



10559
15559

Universal Joint



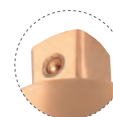
Cu-Be

Al-Br

Part N°	€	Part N°	€
10559-003	939,79	15559-003	620,31

10559
15559

Reducing Adaptor



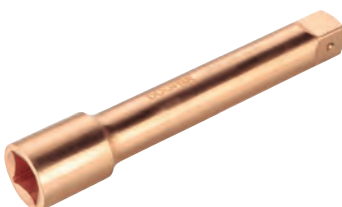
Cu-Be

Al-Br

		Part N°	€	Part N°	€
		10559-012	462,51	15559-012	314,57

10559
15559

Extension



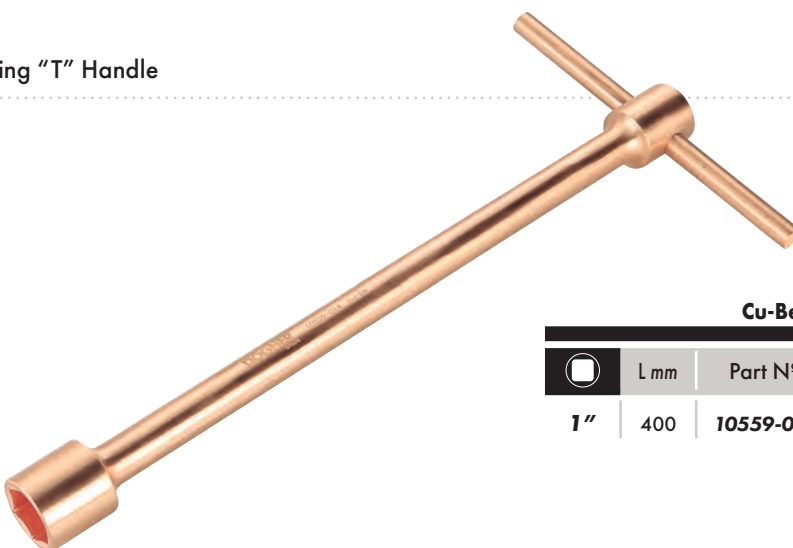
Cu-Be

Al-Br

L mm	Part N°	€	Part N°	€
250	10559-250	649,08	15559-250	437,77

10559
15559

Sliding "T" Handle



Cu-Be

Al-Br

	L mm	Part N°	€	Part N°	€
	400	10559-014	648,06	15559-014	609,42

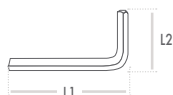
**10600
15600**

Short Hex Key



Cu-Be

Al-Br



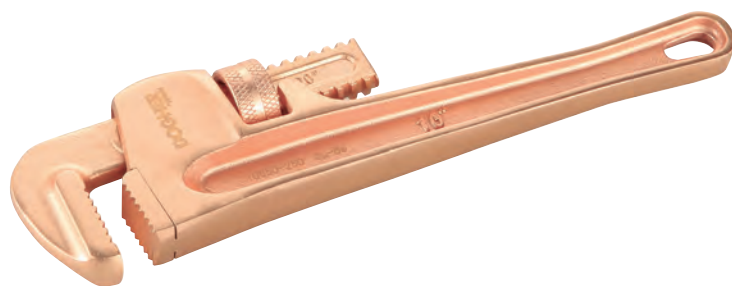
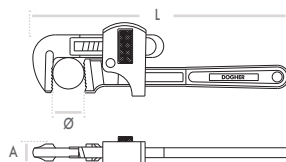
mm	Cu-Be			Al-Br		
	L1 mm	L2 mm	Part N°	€	Part N°	€
1,5	38	13	10600-01,5	66,51	15600-01,5	41,60
2	38	13	10600-02	67,61	15600-02	41,60
3	59	25	10600-03	68,41	15600-03	42,12
4	65	30	10600-04	69,50	15600-04	42,76
5	79	32	10600-05	72,51	15600-05	44,63
6	85	37	10600-06	75,62	15600-06	46,53
7	88	43	10600-07	83,72	15600-07	51,53
8	92	44	10600-08	87,85	15600-08	54,07
9	97	44	10600-09	97,06	15600-09	59,73
10	110	45	10600-10	104,20	15600-10	64,14
12	130	52	10600-12	201,11	15600-12	80,84

**10650
15650**

Professional Spanish Type Pipe Wrench

Cu-Be

Al-Br



L mm	Ø mm	Cu-Be		Al-Br	
		Part N°	€	Part N°	€
200	25	10650-200	479,79	15650-200	354,47
250	30	10650-250	556,17	15650-250	411,62
300	40	10650-300	604,71	15650-300	445,95
350	50	10650-350	710,10	15650-350	525,96
450	60	10650-450	904,38	15650-450	668,12
600	75	10650-600	1.334,44	15650-600	886,95
900	85	10650-900	2.294,91	15650-900	1.528,56
1200	110	10650-1200	4.181,09	15650-1200	2.784,87

Cu-Be / Al-Br

Non-Sparking Valve Keys



10680
15680

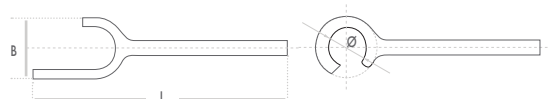
Valve Wrench

Cu-Be

Al-Br



Cu-Be				Al-Br		
B mm	Ø mm	L mm	Part N°	€	Part N°	€
60	36	370	10680-370	537,89	15680-370	305,59



10685
15685

Bung Wrench

Cu-Be

Al-Br



Cu-Be				Al-Br		
L mm	S1 mm	S2 mm	Part N°	€	Part N°	€
300	38	52	10685-300	330,90	15685-300	255,67

10681
15681

Valve Wrench

Cu-Be

Al-Br



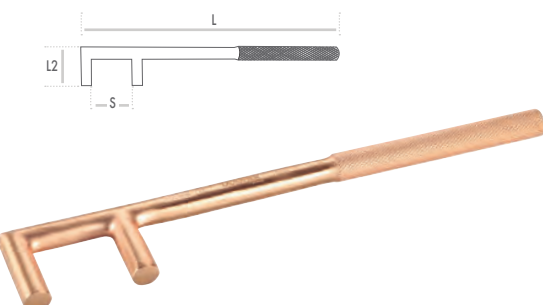
Cu-Be				Al-Br			
L mm	L "	B mm	Ø mm	Part N°	€	Part N°	€
210	8	62	23	10681-30	329,74	15681-30	313,10
215	8,5	57	32	10681-32	382,55	15681-32	353,62
290	11	58	36	10681-35	484,44	15681-35	460,02
400	16	83	46	10681-40	851,10	15681-40	808,17
485	19	100	48	10681-45	971,59	15681-45	922,58
800	31	114	58	10681-48	1.162,55	15681-48	1.103,93

10690
15690

Valve Wheel Hook

Cu-Be

Al-Br



Cu-Be				Al-Br		
S mm	L mm	L2 mm	Part N°	€	Part N°	€
30	200	44	10690-30	285,21	15690-30	191,01
32	300	50	10690-32	392,14	15690-32	259,94
35	250	47	10690-35	317,40	15690-35	215,20
40	300	50	10690-40	392,14	15690-40	259,94
45	350	58	10690-45	478,39	15690-45	286,53
48	375	62	10690-48	518,67	15690-48	315,55
50	400	67	10690-50	550,85	15690-50	283,61
55	450	73	10690-55	657,79	15690-55	346,97
60	500	79	10690-60	708,42	15690-60	369,93
65	550	82	10690-65	807,29	15690-65	414,68
70	600	85	10690-70	886,67	15690-70	464,22
75	650	88	10690-75	986,71	15690-75	518,66
80	700	91	10690-80	1.122,41	15690-80	592,38
85	750	97	10690-85	1.248,90	15690-85	667,36
90	800	103	10690-90	1.377,70	15690-90	701,21

10712
15712

Big Head German Type Stoning Hammer Wooden Handle

Cu-Be

Al-Br



Cu-Be				Al-Br	
g	L mm	Part N°	€	Part N°	€
2000	400	10712-2000A	516,67	15712-2000A	413,41
2500	400	10712-2500A	644,49	15712-2500A	516,61
3000	700	10712-3000A	773,24	15712-3000A	619,82
4000	900	10712-4000A	1.025,86	15712-4000A	821,63

10713
15713

Big Head German Type Stoning Hammer Fiberglass Handle

Cu-Be

Al-Br



Safety pin

Cu-Be				Al-Br	
g	L mm	Part N°	€	Part N°	€
1000	400	10713-1000A	295,58	15713-1000A	212,95
1500	400	10713-1500A	340,55	15713-1500A	245,54
2000	400	10713-2000A	416,68	15713-2000A	300,67
2500	700	10713-2500A	556,18	15713-2500A	400,89
3000	700	10713-3000A	660,97	15713-3000A	476,05
3500	700	10713-3500A	834,81	15713-3500A	601,31

10713
15713

Octogonal Sledge Hammer Fiberglass Handle

Cu-Be

Al-Br



Safety pin

Cu-Be				Al-Br	
g	L mm	Part N°	€	Part N°	€
450	310	10713-450	162,53	15713-450	119,52
1000	400	10713-1000	262,94	15713-1000	166,89
1500	400	10713-1500	347,14	15713-1500	222,50
2000	400	10713-2000	473,93	15713-2000	305,94
2500	700	10713-2500	549,74	15713-2500	389,39
3000	700	10713-3000	663,49	15713-3000	472,81
4500	900	10713-4500	928,89	15713-4500	625,78
5000	900	10713-5000	1.064,04	15713-5000	681,41
6800	900	10713-6800	1.345,96	15713-6800	945,63
8000	900	10713-8000	1.578,79	15713-8000	1.001,24
10000	900	10713-10000	2.085,25	15713-10000	1.400,58
12900	900	10713-12000	2.559,13	15713-12000	1.700,72

Cu-Be / Al-Br

Non-Sparking Hammers



10700
15700

Ball Pen Hammer Wooden Handle

Cu-Be

Al-Br



g	L mm	Cu-Be		Al-Br	
		Part N°	€	Part N°	€
300	280	10700-300	104,18	15700-300	68,49
450	310	10700-450	138,81	15700-450	94,66
700	340	10700-700	195,32	15700-700	133,10
900	350	10700-900	261,11	15700-900	177,46

10701
15701

Ball Pen Hammer Fiberglass Handle

Cu-Be

Al-Br



g	L mm	Cu-Be		Al-Br	
		Part N°	€	Part N°	€
300	280	10701-300	97,79	15701-300	72,07
450	310	10701-450	141,50	15701-450	92,69
700	340	10701-700	178,76	15701-700	121,70
900	350	10701-900	272,08	15701-900	185,19

10708
15708

Claw Hammer

Cu-Be

Al-Br



g	L mm	Cu-Be		Al-Br	
		Part N°	€	Part N°	€
500	300	10708-500	143,23	15708-500	90,06
700	330	10708-700	169,60	15708-700	106,42

10727
15727

German Type machinist's Hammer

Cu-Be

Al-Br



Safety pin

		Cu-Be		Al-Br	
g	L mm	Part N°	€	Part N°	€
255	280	10727-100	91,69	15727-100	73,37
355	280	10727-200	122,25	15727-200	84,30
455	280	10727-300	138,55	15727-300	103,57
500	310	10727-500	183,38	15727-500	130,10
800	340	10727-800	244,50	15727-800	168,63
1000	340	10727-1000	285,24	15727-1000	204,76
1500	400	10727-1500	387,12	15727-1500	277,05
2000	450	10727-2000	483,66	15727-2000	334,87

10720
15727

Chipping Hammer

Cu-Be

Al-Br



Safety pin

		Cu-Be		Al-Br	
g	L mm	Part N°	€	Part N°	€
200	280	10720-200	122,29	15720-200	78,35
400	300	10720-400	153,69	15720-400	98,36
600	340	10720-600	169,39	15720-600	108,35
900	350	10720-900	239,40	15720-900	176,09

Cu-Be / Al-Br

Non-Sparking Pick & Long Splitting Wedge

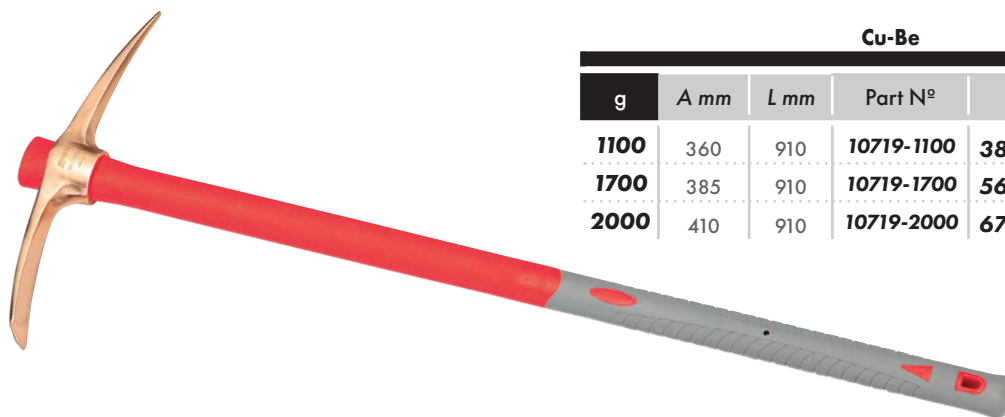


10719
15719

Spike Shovel Pick Fiber Handle

Cu-Be

Al-Br



g	A mm	L mm	Cu-Be		Al-Br	
			Part N°	€	Part N°	€
1100	360	910	10719-1100	385,33	15719-1100	217,28
1700	385	910	10719-1700	562,70	15719-1700	317,65
2000	410	910	10719-2000	673,54	15719-2000	379,03

10726
15726

Splitting Wedge

Cu-Be

Al-Br

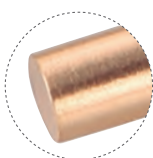


L mm	B mm	H mm	Cu-Be		Al-Br	
			Part N°	€	Part N°	€
80	13	6	10726-80-13	18,73	15726-80-13	12,78
100	50	10	10726-100-50	69,37	15726-100-50	47,31
135	50	18	10726-135-50	132,10	15726-135-50	89,92
150	25	8	10726-150-25	54,98	15726-150-25	37,59
150	30	13	10726-150-30	65,94	15726-150-30	43,72
150	40	8	10726-150-40	69,04	15726-150-40	45,64
150	50	13	10726-150-50	118,31	15726-150-50	80,45
180	13	6	10726-180-13	54,98	15726-180-13	43,25
180	32	13	10726-180-32	79,78	15726-180-32	54,42
180	50	19	10726-180-50	177,18	15726-180-50	120,68
200	20	30	10726-200-20	156,83	15726-200-20	106,48
200	30	30	10726-200-30	191,00	15726-200-30	130,13
200	40	40	10726-200-40	297,10	15726-200-40	177,63
200	50	12	10726-200-50	142,90	15726-200-50	103,24
230	40	20	10726-230-40	201,41	15726-230-40	137,25
250	40	30	10726-250-40	312,98	15726-250-40	212,96
300	50	40	10726-300-50	612,38	15726-300-50	416,47

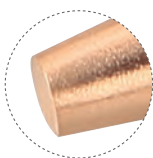

10749
15749
Centre Punch Hex Body
Cu-Be
Al-Br

Cu-Be
Al-Br

A mm	L mm	Part N°	€	Part N°	€
12	100	10749-100	64,82	15749-100	46,83
14	150	10749-150	100,78	15749-150	35,78

10746
15746
Standard Pin Punch
Cu-Be
Al-Br

Cu-Be
Al-Br

Ø mm	Ø 1 mm	L mm	Part N°	€	Part N°	€
2	9	110	10746-02	112,14	15746-02	45,14
3	9	110	10746-03	108,48	15746-03	45,14
4	10	110	10746-04	108,48	15746-04	45,14
5	10	110	10746-05	124,18	15746-05	55,54
6	12	115	10746-06	133,46	15746-06	55,54
8	14	120	10746-08	142,02	15746-08	59,10
10	14	120	10746-10	152,22	15746-10	75,12

10748
15748
Standard Drift Punch
Cu-Be
Al-Br

Cu-Be
Al-Br

A mm	L mm	Part N°	€	Part N°	€
18	200	10748-05	86,85	15748-05	64,33
20	250	10748-08	103,61	15748-08	76,76
20	300	10748-10	123,47	15748-10	91,46

10757
15757
Cold Chisel
Cu-Be
Al-Br

Cu-Be
Al-Br

A mm	L mm	Part N°	€	Part N°	€
22	150	10757-150	122,65	15757-150	71,51
22	200	10757-200	157,86	15757-200	91,94
24	250	10757-250	213,04	15757-250	124,29
25	300	10757-300	253,58	15757-300	148,10
27	400	10757-400	326,79	15757-400	190,68

10761
15761
Graver
Cu-Be
Al-Br

Cu-Be
Al-Br

A mm	B mm	L mm	Part N°	€	Part N°	€
4	4	140	10761-150	175,71	15761-150	102,57
4	4	200	10761-200	281,40	15761-200	164,55
5	5	300	10761-300	460,54	15761-300	269,17

Cu-Be / Al-Br

Non-Sparking Hand Hacksaws



10840
15840

Hand Hacksaw Frame

Cu-Be

Al-Br



Cu-Be			Al-Br	
L mm	Part N°	€	Part N°	€
500	10840-001	819,32	15840-001	515,87

10840
15840

Bi-Metal Hand Hacksaw Blade

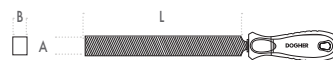
Cu-Be

Al-Br



Cu-Be			Al-Br		
L mm	A mm	Part N°	€	Part N°	€
300	12	10840-050	261,53	15840-050	166,33





10804

Bi-Material Handle Flat File 2nd Cut

Cu-Be



Cu-Be

L mm	L"	A mm	B mm	Part N°	€
200	8	20	6	10804-200	180,37
300	12	31	8	10804-300	312,55

10805

Bi-Material Handle Half Round File 2nd Cut

Cu-Be



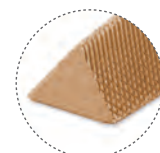
Cu-Be

L mm	L"	A mm	B mm	Part N°	€
200	8	19	10	10805-200	178,91

10806

Bi-Material Handle Triangle File 2nd Cut

Cu-Be

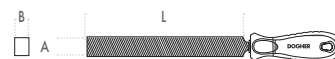


Cu-Be

L mm	L"	B mm	Part N°	€
200	8	7	10806-200	186,95

Cu-Be / Al-Br

Non-Sparking Files



10807

Bi-Material Handle Square File 2nd Cut

Cu-Be



Cu-Be

L mm	L"	A mm	Part N°	€
200	10	10	10807-200	173,81

10808

Bi-Material Handle Round File 2nd Cut

Cu-Be



Cu-Be

L mm	L"	Ø mm	Part N°	€
200	8	6	10808-200	173,81

10892
15892

Offset Scaffolding Wrench

Cu-Be

Al-Br



	Cu-Be			Al-Br	
	mm	L mm	Part N°	Part N°	€
10	230	10892-10	237,71	15892-10	155,03
11	240	10892-11	250,22	15892-11	163,19
12	250	10892-12	263,43	15892-12	171,80
13	260	10892-13	277,26	15892-13	180,83
14	270	10892-14	291,88	15892-14	190,35
16	300	10892-16	323,42	15892-16	210,93
17	310	10892-17	340,43	15892-17	222,02
18	320	10892-18	358,34	15892-18	233,71
19	330	10892-19	358,34	15892-19	233,71
20	340	10892-20	377,21	15892-20	246,02
22	350	10892-22	397,07	15892-22	258,94
24	370	10892-24	397,07	15892-24	258,94
27	400	10892-27	485,27	15892-27	316,47
30	430	10892-30	485,27	15892-30	316,47
32	430	10892-32	485,27	15892-32	316,47

10870
15870

Straight Handle Pointed Shovel

Cu-Be

Al-Br



	Cu-Be			Al-Br		
	A mm	B mm	L mm	Part N°	Part N°	€
240	420	1450	10870-010	535,13	15870-010	288,70

Cu-Be / Al-Br

Non-Sparking Tools and Scrapers



10876
15876

Hoe with Handle

Cu-Be

Al-Br



Cu-Be				Al-Br	
A mm	B mm	Part N°	€	Part N°	€
130	130	10876-130	687,49	15876-130	432,87
200	200	10876-200	1.041,84	15876-200	655,98

10850
15850

Angled Scraper

Cu-Be

Al-Br



Cu-Be				Al-Br	
A mm	L mm	Part N°	€	Part N°	€
45	300	10850-001	254,11	15850-001	159,46

10884
15884

Wrecking Bar

Cu-Be

Al-Br



Cu-Be				Al-Br	
L mm	Ø mm	Part N°	€	Part N°	€
460	16	10884-460	390,92	15884-460	191,55
600	20	10884-600	577,82	15884-600	453,79
760	22	10884-760	744,33	15884-760	491,93
900	22	10884-900	988,50	15884-900	515,84

10850
15850

Flat Scraper

Cu-Be

Al-Br



Cu-Be				Al-Br		
A mm	L mm	L1 mm	Part N°	€	Part N°	€
30	325	200	10850-010	233,35	15850-010	146,76

10850
15850

Long Blade Scraper

Cu-Be

Al-Br



Cu-Be				Al-Br		
A mm	L mm	L1 mm	Part N°	€	Part N°	€
100	720	115	10850-020	245,98	15850-020	148,75

10850
15850

3 Edge Scraper

Cu-Be

Al-Br



Cu-Be				Al-Br		
A mm	L mm	L1 mm	Part N°	€	Part N°	€
26	400	300	10850-030	287,99	15850-030	204,67

Cu-Be / Al-Br

Non-Sparking Scrapers & Gear Pullers

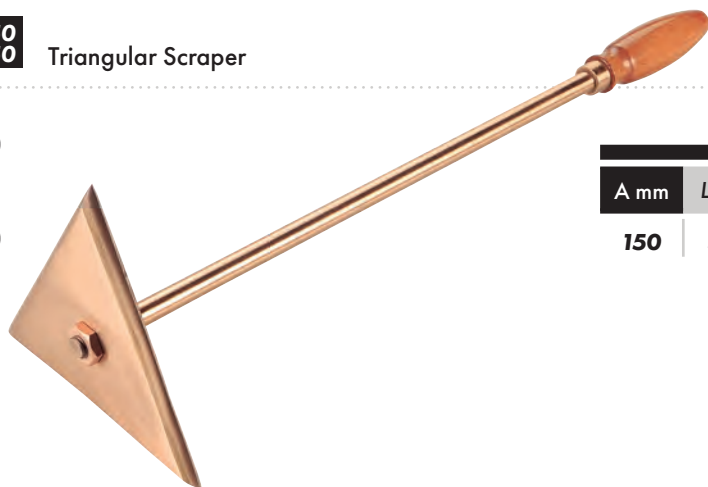


10850
15850

Triangular Scraper

Cu-Be

Al-Br



Cu-Be				Al-Br	
A mm	L mm	Part N°	€	Part N°	€
150	470	10850-040	665,60	15850-040	452,60

10878
15878

Flexible Scraper

Cu-Be

Al-Br



Cu-Be				Al-Br		
A mm	L mm	L1 mm	Part N°	€	Part N°	€
50	200	95	10878-50	168,93	15878-50	88,34
75	200	95	10878-75	259,21	15878-75	151,49

10903
15903

Reversible 3 Arm Gear Puller

Cu-Be

Al-Br



Cu-Be				Al-Br		
A min	A max	L"	Part N°	€	Part N°	€
50	100	4"	10903-100	1.581,68	15903-100	1.074,69
60	150	6"	10903-150	1.748,21	15903-150	1.193,08
70	200	8"	10903-200	1.866,65	15903-200	1.274,77
80	350	14"	10903-350	3.168,98	15903-350	1.909,88