

DOGHER

TOOLS



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

Antiscintilla
Cu-Be 10000
Al-Br 15000



Lega di Rame Berillio/Bronzo-Alluminio



Cu-Be

Composizione:

	Be 1,8% - 2,3%
 + 	Co+Ni > 0,2%
 +  + 	Otros < 1,2%
	Cu - Il resto

Durezza: 283-365 HB

**Resistenza
alla Trazione:** 1250 N/mm²

Al-Br

Composizione:

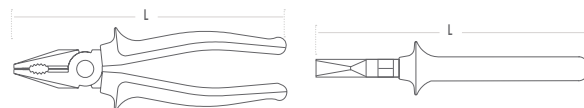
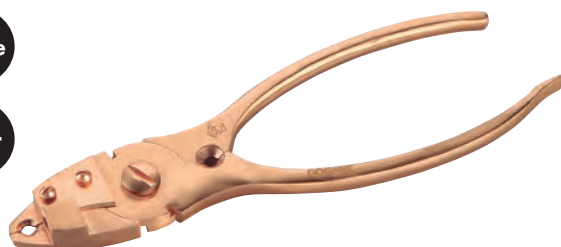
	Al 10% - 12%
	Ni 4% - 6%
 + 	Fe+Mn < 5,8%
	Otros < 0,5%
	Cu - Il resto

Durezza: 221-291 HB

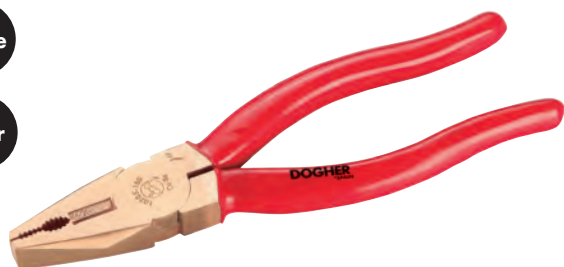
**Resistenza
alla Trazione:** 800 N/mm²

La sicurezza degli utensili antiscintilla DOGHER TOOLS è accreditata dall'Istituto Federale Tedesco per la Ricerca e l'Esame sui Materiali BAM, membro notificato dell'Unione Europea per la certificazione secondo la Direttiva 94/9 / EG (ATEX). Oltre che da FM APPROVED, una delle compagnie assicurative più prestigiose al mondo, specializzata nell'analisi e prevenzione dei rischi nel settore delle costruzioni.




**10200
15200**
Pinza per Gasisti
Cu-Be
Al-Br

Cu-Be
Al-Br

L mm	L"	Part N°	€	Part N°	€
180	7	10200-160	266,59	15200-160	190,98

**10205
15205**
Pinze Universali Professionali
Cu-Be
Al-Br

Cu-Be
Al-Br

L mm	L"	Part N°	€	Part N°	€
160	6	10205-160	199,94	15205-160	169,42
180	7	10205-180	216,60	15205-180	168,79
200	8	10205-200	233,27	15205-200	177,72

**10212
15212**
Tronchesi Professionali a Tagliente Diagonale
Cu-Be
Al-Br

Cu-Be
Al-Br

L mm	L"	Part N°	€	Part N°	€
160	6	10212-160	249,94	15212-160	172,27
200	8	10212-200	261,11	15212-200	186,64

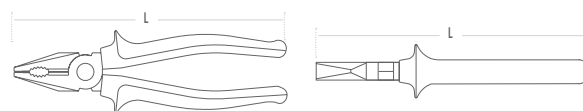
**10213
15213**
Tronchesi Professionali a Tagliente Diagonale Rinforzato
Cu-Be
Al-Br

Cu-Be
Al-Br

L mm	L"	Part N°	€	Part N°	€
160	6	10213-160	263,49	15213-160	177,57
180	8	10213-180	274,62	15213-180	186,64

Cu-Be / Al-Br

Pinze Serie Professionale Antiscintilla



10210
15210

Pinza Professionale a Becchi Piatti Lunghi

Cu-Be

Al-Br



Cu-Be				Al-Br	
L mm	L"	Part N°	€	Part N°	€
160	6	10210-160	183,28	15210-160	169,89

10211
15211

Pinza Professionale a Becchi Tondi Lunghi

Cu-Be

Al-Br



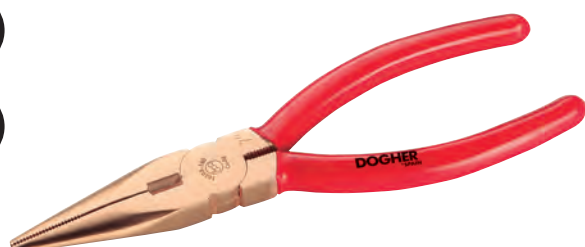
Cu-Be				Al-Br	
L mm	L"	Part N°	€	Part N°	€
160	6	10211-160	183,28	15211-160	169,89

10208
15208

Pinze Professionali a Becchi Mezzotondi Lunghi Dritti con Tagliente

Cu-Be

Al-Br



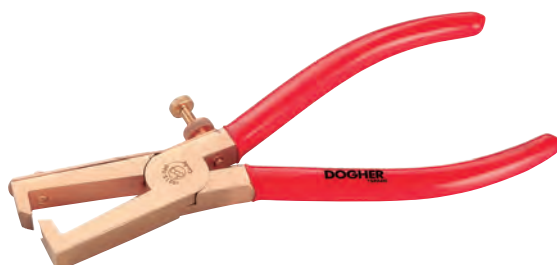
Cu-Be				Al-Br	
L mm	L"	Part N°	€	Part N°	€
150	6	10208-160	199,94	15208-160	153,36
180	7	10208-180	216,60	15208-180	165,32
200	8	10208-200	233,27	15208-200	166,14

10215
15215

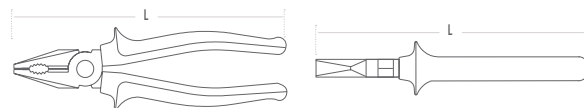
Pinza Spellafili Professionale

Cu-Be

Al-Br



Cu-Be				Al-Br	
L mm	L"	Part N°	€	Part N°	€
170	7	10215-160	306,58	15215-160	176,74



10219
15219

Pinza per Gasisti

Cu-Be

Al-Br



Cu-Be

Al-Br

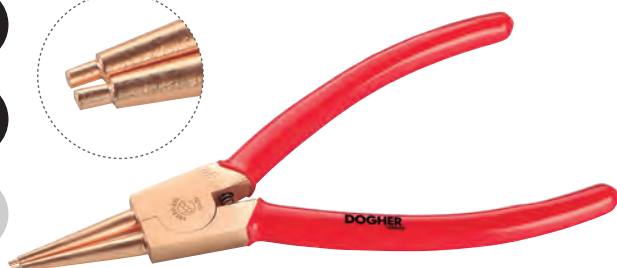
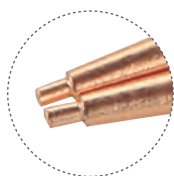
L mm	L"	Part N°	€	Part N°	€
200	8	10219-200	166,62	15219-200	163,48

10220
15220

Pinza a Becchi Diritti per Anelli Elastici Esterni

Cu-Be

Al-Br



Cu-Be

Al-Br

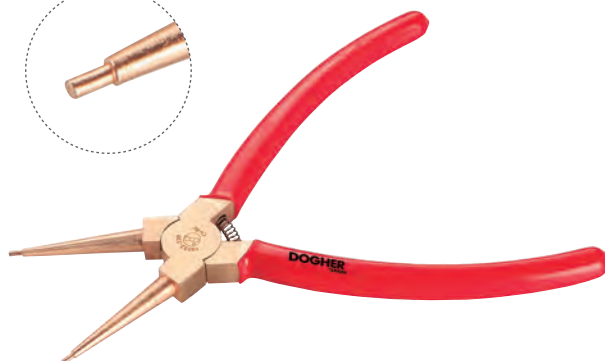
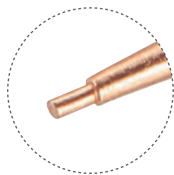
L mm	L"	Part N°	€	Part N°	€
200	8	10220-220	290,81	15220-220	230,25

10222
15222

Pinza a Becchi Diritti per Anelli Elastici Interni

Cu-Be

Al-Br



Cu-Be

Al-Br

L mm	L"	Part N°	€	Part N°	€
200	8	10222-220	290,81	15222-220	276,47

Cu-Be / Al-Br

Pinze e Tenaglie Serie Professionale Antiscintilla



10266
15266

Pinze Regolabili a Cerniera Sovrapposta e Cremagliera

Cu-Be

Al-Br



Cu-Be			Al-Br			
L mm	L"	Ø mm	Part N°	€	Part N°	€
250	10	45	10266-250	365,82	15266-250	263,24
300	12	55	10266-300	442,81	15266-300	318,77

10270
15270

Pinza Tipo Ford

Cu-Be

Al-Br



Cu-Be			Al-Br			
L mm	L"	Ø mm	Part N°	€	Part N°	€
200	8	13	10270-200	219,32	15270-200	179,11

10273
15273

Tenaglie Professionale Modello Falegnami

Cu-Be

Al-Br



Cu-Be			Al-Br		
L mm	L"	Part N°	€	Part N°	€
175	7	10273-180	554,79	15273-180	393,78
200	8	10273-200	559,85	15273-200	393,78

Prof

Cu-Be / Al-Br

Giraviti Serie Professionale Antiscintilla

I giraviti Dogher Tools sono composti da:

- Impugnatura bimeriale: elastomero antiscivolo nel 70% del corpo.
- Lama Cu-Be/Al-Br: Altamente resistente all'uso professionale.

DOGHER
TOOLS



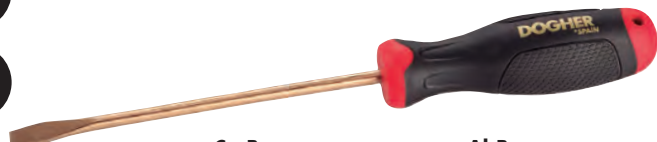
10330 15330

Testa ad Intaglio Piatta



Cu-Be

Al-Br



Cu-Be

Al-Br

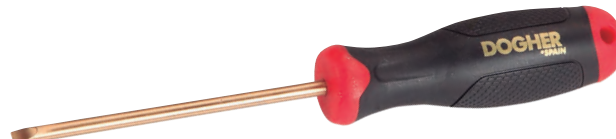
10331
15331

Testa ad Intaglio Dritta



Cu-Be

Al-Br



Cu-Be

Al-Br

A mm	L mm	L "	Part N°	€	Part N°	
3	50	2	10330-030-050	25,00	15330-030-050	23,69
3	75	3	10330-030-075	28,33	15330-030-075	27,10
4	75	3	10330-040-075	31,67	15330-040-075	27,36
4,5	50	2	10330-045-050	28,33	15330-045-050	26,15
4,5	100	4	10330-045-100	36,78	15330-045-100	31,18
5	75	3	10330-050-075	33,32	15330-050-075	28,62
5	100	4	10330-050-100	36,65	15330-050-100	30,38
6	100	4	10330-060-100	39,99	15330-060-100	35,70
6	125	5	10330-060-125	39,99	15330-060-125	36,91
6	150	6	10330-060-150	49,10	15330-060-150	38,51
7	150	6	10330-070-150	49,02	15330-070-150	38,51
8	150	6	10330-080-150	56,65	15330-080-150	44,92
8	200	8	10330-080-200	78,01	15330-080-200	59,35
9	250	10	10330-090-250	90,94	15330-090-250	72,20
10	200	8	10330-100-200	99,46	15330-100-200	73,82
10	300	12	10330-100-300	116,64	15330-100-300	96,26
11	250	10	10330-110-250	123,65	15330-110-250	88,25
11	300	12	10330-110-300	133,31	15330-110-300	104,29
11	350	14	10330-110-350	154,83	15330-110-350	120,34
12	400	16	10330-120-400	174,48	15330-120-400	126,75
13	450	18	10330-130-450	201,22	15330-130-450	136,39

A mm	L mm	L "	Part N°	€	Part N°	
3	50	2	10331-030-050	33,32	15331-030-050	30,71
4	100	4	10331-040-100	41,66	15331-040-100	38,31
4	150	6	10331-040-150	71,99	15331-040-150	50,45
5	100	4	10331-050-100	74,79	15331-050-100	47,17
5	200	8	10331-050-200	83,31	15331-050-200	67,58
6	100	4	10331-060-100	83,31	15331-060-100	50,70
8	150	6	10331-080-150	97,87	15331-080-150	68,66
10	200	8	10331-100-200	116,64	15331-100-200	85,86
10	300	4	10331-100-300	145,76	15331-100-300	102,05

Cu-Be / Al-Br

Giraviti Serie Professionale Antiscintilla



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	36,65	15334-PH0-050	31,88
PH1	100	4	10334-PH1-100	36,65	15334-PH1-100	35,09
PH2	125	5	10334-PH2-125	39,99	15334-PH2-125	37,01
PH3	150	6	10334-PH3-150	58,33	15334-PH3-150	51,43
PH4	300	12	10334-PH4-300	91,64	15334-PH4-300	78,08

	Cu-Be				Al-Br	
	L mm	L "	Part N°	€	Part N°	€
PZ0	50	2	10337-PZ0-050	36,65	15337-PZ0-050	30,60
PZ1	100	4	10337-PZ1-100	36,65	15337-PZ1-100	33,05
PZ2	125	4	10337-PZ2-125	39,99	15337-PZ2-125	35,81
PZ3	150	6	10337-PZ3-150	58,33	15337-PZ3-150	51,43
PZ4	150	6	10337-PZ4-300	91,64	15337-PZ4-300	78,08

10330
15330

Astuccio in Plastica

5
Pcs



Cu-Be

Al-Br



Piatto

5 • 6 • 8

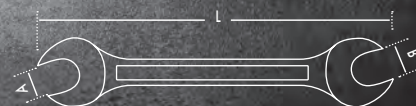
PH1 • PH2



Part N°	€	Part N°	€
10330-005	209,94	15330-005	184,31

Cu-Be / Al-Br

Chiavi a Forchetta Doppie Antiscintilla

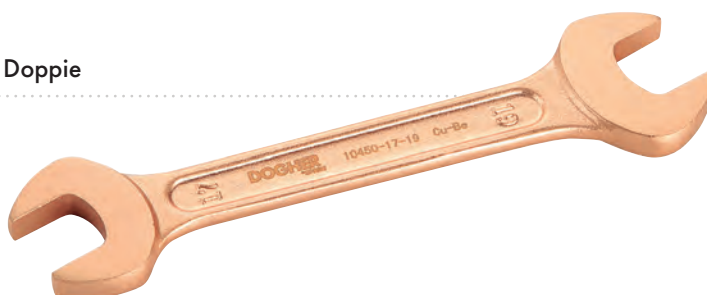


10450
15450

Chiavi a Forchetta Doppie

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	29,99	15450-06-07	20,41	22	27	215	10450-22-27	124,96	15450-22-27	91,62
6	8	92	10450-06-08	29,99	15450-06-08	19,49	23	26	220	10450-23-26	128,30	15450-23-26	98,45
7	8	96	10450-07-08	31,67	15450-07-08	21,70	24	25	230	10450-24-25	133,31	15450-24-25	100,09
7	9	96	10450-07-09	31,67	15450-07-09	22,05	24	26	230	10450-24-26	136,62	15450-24-26	101,71
8	9	100	10450-08-09	33,32	15450-08-09	21,70	24	27	230	10450-24-27	139,96	15450-24-27	111,28
8	10	100	10450-08-10	34,99	15450-08-10	22,98	24	30	233	10450-24-30	148,29	15450-24-30	120,16
9	10	110	10450-09-10	36,65	15450-09-10	23,36	25	28	236	10450-25-28	155,92	15450-25-28	129,36
9	11	110	10450-09-11	38,33	15450-09-11	27,39	26	29	250	10450-26-29	156,70	15450-26-29	128,28
10	11	115	10450-10-11	39,99	15450-10-11	29,64	27	29	250	10450-27-29	163,51	15450-27-29	128,28
10	12	120	10450-10-12	43,32	15450-10-12	31,80	27	30	250	10450-27-30	163,51	15450-27-30	136,69
10	13	124	10450-10-13	46,65	15450-10-13	32,34	27	32	255	10450-27-32	163,29	15450-27-32	145,82
10	14	124	10450-10-14	46,65	15450-10-14	32,60	28	30	250	10450-28-30	163,29	15450-28-30	146,65
11	13	128	10450-11-13	49,98	15450-11-13	37,11	30	31	265	10450-30-31	178,84	15450-30-31	151,89
11	14	130	10450-11-14	49,98	15450-11-14	37,73	30	32	265	10450-30-32	226,81	15450-30-32	158,58
12	13	128	10450-12-13	53,32	15450-12-13	38,34	30	34	270	10450-30-34	216,60	15450-30-34	168,41
12	14	130	10450-12-14	53,32	15450-12-14	38,65	30	36	270	10450-30-36	216,60	15450-30-36	171,99
13	15	133	10450-13-15	56,65	15450-13-15	42,41	32	34	270	10450-32-34	246,59	15450-32-34	178,85
14	15	143	10450-14-15	59,98	15450-14-15	43,12	32	35	300	10450-32-35	246,59	15450-32-35	183,71
14	16	150	10450-14-16	61,42	15450-14-16	50,37	32	36	300	10450-32-36	246,59	15450-32-36	186,07
14	17	150	10450-14-17	66,65	15450-14-17	51,62	33	35	300	10450-33-35	266,59	15450-33-35	190,67
16	17	157	10450-16-17	69,98	15450-16-17	52,05	34	36	300	10450-34-36	266,59	15450-34-36	195,53
16	18	163	10450-16-18	73,31	15450-16-18	52,47	35	36	300	10450-35-36	274,92	15450-35-36	203,68
17	19	170	10450-17-19	76,64	15450-17-19	59,64	36	38	330	10450-36-38	274,92	15450-36-38	233,12
17	22	173	10450-17-22	86,64	15450-17-22	66,28	36	41	330	10450-36-41	291,60	15450-36-41	246,07
18	19	179	10450-18-19	89,97	15450-18-19	67,38	36	42	330	10450-36-42	308,25	15450-36-42	259,02
18	20	175	10450-18-20	93,31	15450-18-20	67,93	41	46	355	10450-41-46	366,58	15450-41-46	289,81
19	20	182	10450-19-20	96,64	15450-19-20	69,03	46	50	370	10450-46-50	449,88	15450-46-50	355,43
19	22	185	10450-19-22	99,97	15450-19-22	70,14	50	52	375	10450-50-52	499,87	15450-50-52	388,66
19	24	190	10450-19-24	103,31	15450-19-24	72,88	50	55	385	10450-50-55	549,85	15450-50-55	422,71
20	22	195	10450-20-22	103,31	15450-20-22	74,10	50	60	400	10450-50-60	627,55	15450-50-60	429,03
21	22	200	10450-21-22	108,31	15450-21-22	74,72	50	62	400	10450-50-62	637,51	15450-50-62	435,35
21	23	200	10450-21-23	108,31	15450-21-23	75,31	55	60	415	10450-55-60	733,14	15450-55-60	547,82
22	23	210	10450-22-23	111,63	15450-22-23	86,04	60	65	435	10450-60-65	789,10	15450-60-65	580,46
22	24	210	10450-22-24	111,63	15450-22-24	86,75	65	70	460	10450-65-70	840,82	15450-65-70	618,32

Cu-Be / Al-Br

Serie di Chiavi a Forchetta Doppie Antiscintilla



10450
15450

Busta in Nylon

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	479,87	15450-001	346,73

10450
15450

Busta in Nylon

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	1.110,88	15450-002	821,25

10450
15450

Supporto in Plastica

6

Pcs

Cu-Be

Al-Br



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

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10450-016	286,59	15450-016	205,25

8

Pcs

Cu-Be

Al-Br



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

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10450-018	479,87	15450-018	346,73

10450
15450

Supporto in Plastica

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	728,14	15450-020	533,32

12

Pcs

Cu-Be

Al-Br



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

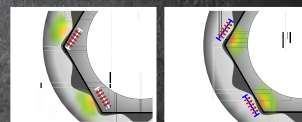
Cu-Be		Al-Br	
Part N°	€	Part N°	€
10450-022	1.110,88	15450-022	779,14

Cu-Be / Al-Br

Chiavi Combine Antiscintilla

- Distribuzione ottimale del carico
- Fissaggio rapido
- Massime prestazioni senza usura
- Riduzione dei danni a dadi e bulloni
- Maggiore durata della chiave
- Massima superficie di contatto
- Distribuzione omogenea dello sforzo

Effetto dello sforzo:



• Sulla chiave

• Sul bullone

10451
15451

Chiavi Combine

Cu-Be

Al-Br



Cu-Be			Al-Br		
A mm	L mm	Part N°	€	Part N°	€
6	105	10451-06	45,11	15451-06	28,08
7	120	10451-07	46,72	15451-07	30,31
8	120	10451-08	53,70	15451-08	33,69
9	135	10451-09	58,60	15451-09	35,92
10	135	10451-10	62,09	15451-10	42,67
11	150	10451-11	67,13	15451-11	50,53
12	150	10451-12	73,83	15451-12	55,27
13	175	10451-13	77,19	15451-13	58,35
14	175	10451-14	80,54	15451-14	61,39
15	195	10451-15	92,29	15451-15	65,96
16	195	10451-16	95,65	15451-16	75,24
17	195	10451-17	109,07	15451-17	85,98
18	215	10451-18	114,10	15451-18	87,53
19	215	10451-19	117,46	15451-19	89,05
20	215	10451-20	120,82	15451-20	92,13
21	245	10451-21	130,88	15451-21	95,20
22	245	10451-22	134,24	15451-22	102,84
23	265	10451-23	140,96	15451-23	105,94
24	265	10451-24	159,40	15451-24	113,62
25	265	10451-25	167,79	15451-25	122,09
26	290	10451-26	176,18	15451-26	127,59
27	290	10451-27	184,58	15451-27	130,81

Cu-Be			Al-Br		
A mm	L mm	Part N°	€	Part N°	€
28	290	10451-28	218,14	15451-28	156,55
29	320	10451-29	226,53	15451-29	163,96
30	320	10451-30	234,91	15451-30	177,02
31	340	10451-31	268,47	15451-31	205,71
32	340	10451-32	276,87	15451-32	214,66
33	340	10451-33	306,97	15451-33	216,46
34	360	10451-34	305,15	15451-34	221,82
35	360	10451-35	312,93	15451-35	223,62
36	360	10451-36	321,52	15451-36	241,48
38	430	10451-38	329,97	15451-38	259,38
40	430	10451-40	353,00	15451-40	284,43
41	430	10451-41	376,01	15451-41	305,90
42	430	10451-42	445,08	15451-42	335,41
46	480	10451-46	460,43	15451-46	355,99
50	520	10451-50	506,48	15451-50	393,52
52	520	10451-52	592,02	15451-52	418,29
55	560	10451-55	567,88	15451-55	429,30
60	595	10451-60	629,26	15451-60	465,09
65	595	10451-65	863,40	15451-65	535,88
70	630	10451-70	973,20	15451-70	579,62
75	630	10451-75	1.091,41	15451-75	631,86
80	660	10451-80	1.293,69	15451-80	737,18

10451
15451

Busta in Nylon

14

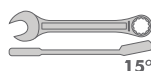
Pcs

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	1.689,61	15451-002	1.139,51

17

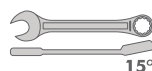
Pcs

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	1.479,42	15451-003	1.090,13

10451
15451

Busta in Nylon

24

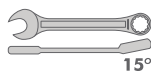
Pcs

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	3.051,02	15451-005	2.251,85

26

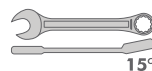
Pcs

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	3.264,77	15451-006	2.402,35

Cu-Be / Al-Br

Serie di Chiavi Combinate Antiscintilla



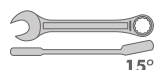
10451
15451

Supporto in Plastica

8

Pcs

CrV

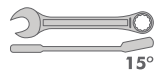


8 • 10 • 11 • 12 • 13 • 14 • 17 • 19

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	641,01	15451-018	476,92

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10451-022	1.001,65	15451-022	741,57

**10454
15454**

Chiavi Poligonali Doppie Dritte

Cu-Be

Al-Br



Cu-Be			Al-Br			
mm	mm	L mm	Part N°	€	Part N°	
6	7	95	10454-06-07	72,04	15454-06-07	45,78
7	9	115	10454-07-09	69,06	15454-07-09	46,71
8	9	115	10454-08-09	56,33	15454-08-09	48,57
9	11	125	10454-09-11	59,48	15454-09-11	51,40
10	11	140	10454-10-11	71,84	15454-10-11	52,43
10	12	140	10454-10-12	80,31	15454-10-12	54,46
12	14	145	10454-12-14	88,56	15454-12-14	56,53
13	15	155	10454-13-15	106,14	15454-13-15	67,15
14	17	165	10454-14-17	108,35	15454-14-17	68,47
16	18	170	10454-16-18	141,89	15454-16-18	89,27
17	19	185	10454-17-19	156,19	15454-17-19	98,27
17	22	200	10454-17-22	168,53	15454-17-22	108,10
18	19	185	10454-18-19	162,33	15454-18-19	108,74
19	21	200	10454-19-21	173,99	15454-19-21	121,86
19	22	200	10454-19-22	176,40	15454-19-22	124,76
20	22	200	10454-20-22	177,52	15454-20-22	127,72
21	23	220	10454-21-23	190,99	15454-21-23	137,75
22	24	220	10454-22-24	229,14	15454-22-24	153,10
24	27	255	10454-24-27	246,13	15454-24-27	176,98
25	28	265	10454-25-28	273,71	15454-25-28	197,85
26	28	265	10454-26-28	296,04	15454-26-28	205,75
27	30	280	10454-27-30	312,06	15454-27-30	209,94
27	32	295	10454-27-32	322,73	15454-27-32	231,60
30	32	295	10454-30-32	362,90	15454-30-32	245,85
30	36	330	10454-30-36	454,77	15454-30-36	307,31
32	36	330	10454-32-36	546,10	15454-32-36	368,77
36	41	365	10454-36-41	787,11	15454-36-41	532,46
41	46	405	10454-41-46	632,56	15454-41-46	631,28
46	50	425	10454-46-50	698,88	15454-46-50	678,72

Cu-Be / Al-Br

Chiavi Poligonali Doppie Curvate Antiscintilla

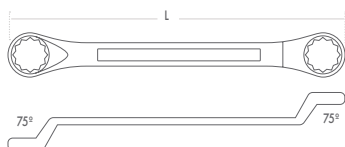


10453
15453

Chiavi Poligonali Doppie Curvate

Cu-Be

Al-Br



			Cu-Be	Al-Br		
mm	mm	L mm	Part N°	€	Part N°	€
6	7	180	10453-06-07	34,99	15453-06-07	28,88
8	9	190	10453-08-09	39,99	15453-08-09	34,18
10	11	215	10453-10-11	48,32	15453-10-11	39,01
12	13	225	10453-12-13	69,98	15453-12-13	60,42
14	15	255	10453-14-15	86,64	15453-14-15	70,48
14	17	255	10453-14-17	93,31	15453-14-17	75,56
16	17	280	10453-16-17	99,97	15453-16-17	78,98
16	18	280	10453-16-18	103,31	15453-16-18	86,95
18	19	280	10453-18-19	126,64	15453-18-19	94,14
20	22	320	10453-20-22	153,29	15453-20-22	104,76
21	23	320	10453-21-23	159,95	15453-21-23	109,34
22	24	330	10453-22-24	169,96	15453-22-24	126,68
24	26	340	10453-24-26	186,61	15453-24-26	135,17
24	27	340	10453-24-27	189,94	15453-24-27	128,65
25	28	350	10453-25-28	199,94	15453-25-28	131,01
27	29	350	10453-27-29	214,94	15453-27-29	148,82
30	32	370	10453-30-32	266,59	15453-30-32	182,22
34	36	430	10453-34-36	341,57	15453-34-36	231,93
36	41	470	10453-36-41	399,89	15453-36-41	271,53
41	46	500	10453-41-46	566,52	15453-41-46	384,68
46	50	525	10453-46-50	666,49	15453-46-50	522,18

10453
15453

Busta in Nylon

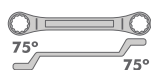
6
Pcs

Cu-Be

Al-Br



350 x 330 mm



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

Cu-Be

Al-Br

Part N°	€	Part N°	€
10453-001	379,90	15453-001	311,94

10453
15453

Busta in Nylon

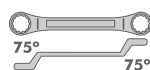
8
Pcs

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	659,82	15453-002	510,84

10453
15453

Busta in Nylon

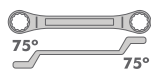
12
Pcs

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	1.476,24	15453-003	1.062,06

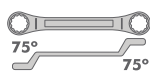
10453
15453

Supporto in Plastica

6
Pcs

Cu-Be

Al-Br



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

Cu-Be

Al-Br

Part N°	€	Part N°	€
10453-016	471,55	15453-016	377,20

Cu-Be / Al-Br

Chiavi a Pipa, Regolabile e a Settore Antiscintilla

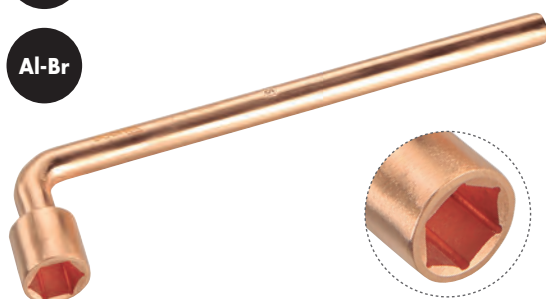


10462
15462

Chiavi a Pipa

Cu-Be

Al-Br



mm	L mm	L2 mm	Cu-Be		Al-Br	
			Part N°	€	Part N°	€
13	240	45	10462-13	116,64	15462-13	91,38
17	245	45	10462-17	166,62	15462-17	130,54
19	250	48	10462-19	174,95	15462-19	137,06
22	278	59	10462-22	233,27	15462-22	182,76
24	286	63	10462-24	249,94	15462-24	195,83
27	294	69	10462-27	266,59	15462-27	208,86
30	302	75	10462-30	299,92	15462-30	234,98
32	310	81	10462-32	333,25	15462-32	261,10
36	330	85	10462-36	383,23	15462-36	300,24
41	350	90	10462-41	466,53	15462-41	365,53

10493
15493

Chiavi Regolabili Professionali a Rullino Centrale

Cu-Be

Al-Br



L mm	L "	mm	Cu-Be		Al-Br	
			Part N°	€	Part N°	€
150	6	18	10493-150	194,27	15493-150	173,88
200	8	24	10493-200	281,92	15493-200	182,40
250	10	30	10493-250	375,91	15493-250	240,09
300	12	36	10493-300	417,66	15493-300	305,78
375	15	46	10493-375	624,96	15493-375	480,93
450	18	55	10493-450	803,25	15493-450	668,01
600	24	65	10493-600	1.449,32	15493-600	1.168,63
900	36	70	10493-900	3.295,67	15493-900	2.399,06

10471
15471

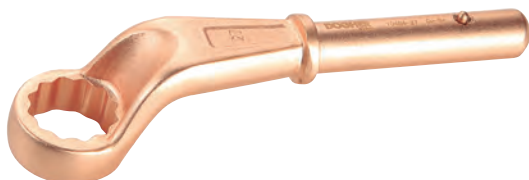
Chiavi a Settore Snodate con Nasello Quadro

Cu-Be

Al-Br



mm	L mm	Cu-Be		Al-Br	
		Part N°	€	Part N°	€
32~75	205	10471-32-75	198,93	15471-32-75	180,58
50~120	288	10471-50-120	312,09	15471-50-120	283,31
115~170	310	10471-115-170	446,70	15471-115-170	422,94

10484
15484
Chiavi Poligonali Semplici Curvate Pesanti
Cu-Be
Al-Br

Cu-Be
Al-Br

mm	L mm	Part N°	€	Part N°	€
24	180	10484-24	331,74	15484-24	289,31
27	190	10484-27	331,74	15484-27	289,31
30	200	10484-30	331,74	15484-30	289,31
32	235	10484-32	331,74	15484-32	289,31
36	245	10484-36	352,49	15484-36	307,37
41	265	10484-41	360,96	15484-41	314,77
46	280	10484-46	398,64	15484-46	347,64
50	290	10484-50	484,45	15484-50	422,44
55	300	10484-55	551,75	15484-55	497,69

10484
15484
Aste di Manovra
Cu-Be
Al-Br

Cu-Be
Al-Br

L mm	Part N°	€	Part N°	€
460	10484-001	295,46	15484-001	212,78
610	10484-002	388,92	15484-002	280,08
760	10484-003	443,95	15484-003	343,58

Cu-Be / Al-Br

Chiavi a Percussione Antiscintilla



10478
15478

Chiavi a Forchetta Semplici

Cu-Be

Al-Br

DIN133



Cu-Be				Al-Br	
A mm	L mm	Part N°	€	Part N°	€
17	125	10478-17	119,86	15478-17	86,96
19	125	10478-19	123,00	15478-19	90,43
22	135	10478-22	124,46	15478-22	93,91
24	150	10478-24	132,07	15478-24	100,86
25	150	10478-25	148,60	15478-25	113,06
27	175	10478-27	151,56	15478-27	114,12
28	175	10478-28	152,84	15478-28	115,21
29	190	10478-29	158,29	15478-29	131,70
30	190	10478-30	183,28	15478-30	132,96
32	190	10478-32	183,28	15478-32	139,95
33	200	10478-33	183,28	15478-33	144,00
34	200	10478-34	183,28	15478-34	145,37
35	210	10478-35	219,45	15478-35	152,00
36	200	10478-36	219,19	15478-36	153,46
37	220	10478-37	241,93	15478-37	172,87
38	220	10478-38	248,50	15478-38	174,51
41	230	10478-41	292,19	15478-41	189,34
42	230	10478-42	311,47	15478-42	234,39
45	250	10478-45	335,45	15478-45	252,18
46	250	10478-46	350,94	15478-46	254,58
47	250	10478-47	363,56	15478-47	273,93
50	275	10478-50	392,35	15478-50	295,66
52	275	10478-52	408,23	15478-52	318,71
54	305	10478-54	408,23	15478-54	339,15

Cu-Be				Al-Br	
A mm	L mm	Part N°	€	Part N°	€
55	305	10478-55	450,13	15478-55	339,15
56	305	10478-56	466,53	15478-56	355,29
58	315	10478-58	466,53	15478-58	426,07
60	315	10478-60	571,23	15478-60	430,14
63	335	10478-63	599,84	15478-63	447,23
65	335	10478-65	623,56	15478-65	469,57
67	335	10478-67	666,49	15478-67	558,99
70	370	10478-70	820,04	15478-70	617,41
71	370	10478-71	860,12	15478-71	646,79
75	375	10478-75	883,09	15478-75	685,97
77	375	10478-77	999,74	15478-77	776,19
80	400	10478-80	999,74	15478-80	776,14
82	400	10478-82	1.001,28	15478-82	851,09
85	400	10478-85	1.008,06	15478-85	884,34
88	445	10478-88	1.166,38	15478-88	1.001,92
90	445	10478-90	1.199,69	15478-90	1.060,62
94	445	10478-94	1.333,00	15478-94	1.147,75
95	445	10478-95	1.366,19	15478-95	1.176,44
100	485	10478-100	1.832,78	15478-100	1.387,32
105	485	10478-105	2.166,00	15478-105	1.687,74
110	513	10478-110	2.332,69	15478-110	1.758,43
115	513	10478-115	2.499,35	15478-115	2.107,06
120	530	10478-120	2.665,89	15478-120	2.253,74

**10452
15452**

Chiavi Poligonali Semplici

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	115,12	15452-17	94,77	60	274	10452-60	589,56	15452-60	380,45
19	145	10452-19	127,64	15452-19	96,48	61	274	10452-61	610,34	15452-61	394,65
20	155	10452-20	130,95	15452-20	97,36	62	274	10452-62	624,49	15452-62	402,61
22	155	10452-22	134,26	15452-22	98,21	63	298	10452-63	644,24	15452-63	415,23
24	165	10452-24	137,58	15452-24	99,94	64	298	10452-64	663,44	15452-64	415,90
25	165	10452-25	165,92	15452-25	116,66	65	298	10452-65	664,66	15452-65	416,12
26	175	10452-26	165,92	15452-26	116,70	66	298	10452-66	671,32	15452-66	433,45
27	175	10452-27	173,98	15452-27	116,70	67	320	10452-67	682,83	15452-67	440,40
28	175	10452-28	173,26	15452-28	122,45	68	320	10452-68	797,94	15452-68	531,70
29	185	10452-29	169,52	15452-29	125,17	69	320	10452-69	791,98	15452-69	531,70
30	185	10452-30	175,95	15452-30	130,03	70	320	10452-70	801,30	15452-70	531,70
31	185	10452-31	200,27	15452-31	134,17	71	320	10452-71	829,82	15452-71	535,50
32	185	10452-32	196,81	15452-32	136,40	72	320	10452-72	836,96	15452-72	539,29
33	200	10452-33	198,91	15452-33	149,65	73	326	10452-73	843,48	15452-73	565,71
34	200	10452-34	207,18	15452-34	151,92	74	326	10452-74	848,02	15452-74	569,67
35	205	10452-35	232,12	15452-35	155,89	75	326	10452-75	852,95	15452-75	573,61
36	205	10452-36	223,10	15452-36	158,53	76	326	10452-76	895,22	15452-76	601,73
37	215	10452-37	260,96	15452-37	180,61	77	326	10452-77	905,67	15452-77	609,24
38	215	10452-38	282,56	15452-38	188,23	78	350	10452-78	932,81	15452-78	627,02
39	215	10452-39	309,29	15452-39	227,56	79	350	10452-79	959,72	15452-79	644,83
40	225	10452-40	348,40	15452-40	231,83	80	350	10452-80	975,18	15452-80	662,61
41	225	10452-41	362,40	15452-41	235,71	81	350	10452-81	999,97	15452-81	699,71
42	225	10452-42	397,66	15452-42	256,34	82	350	10452-82	1.013,12	15452-82	707,97
43	225	10452-43	395,86	15452-43	263,04	83	355	10452-83	1.024,67	15452-83	716,21
44	235	10452-44	405,78	15452-44	256,34	84	355	10452-84	1.047,76	15452-84	724,46
45	235	10452-45	410,68	15452-45	260,80	85	355	10452-85	1.059,23	15452-85	732,73
46	235	10452-46	414,55	15452-46	267,49	86	355	10452-86	1.077,42	15452-86	811,68
47	235	10452-47	448,79	15452-47	281,53	87	355	10452-87	1.094,00	15452-87	807,44
48	250	10452-48	456,47	15452-48	286,42	88	380	10452-88	1.147,95	15452-88	847,44
49	250	10452-49	450,33	15452-49	291,34	89	380	10452-89	1.160,19	15452-89	842,26
50	250	10452-50	454,46	15452-50	304,68	90	380	10452-90	1.176,87	15452-90	815,30
51	250	10452-51	470,48	15452-51	312,26	92	380	10452-92	1.210,02	15452-92	928,81
52	250	10452-52	481,10	15452-52	311,05	94	390	10452-94	1.226,60	15452-94	940,40
53	265	10452-53	485,68	15452-53	322,49	95	390	10452-95	1.286,10	15452-95	952,03
54	265	10452-54	489,04	15452-54	325,05	98	410	10452-98	1.408,93	15452-98	1.094,44
55	265	10452-55	502,90	15452-55	327,61	100	410	10452-100	1.458,60	15452-100	1.115,77
56	265	10452-56	547,46	15452-56	356,66	105	420	10452-105	1.491,78	15452-105	1.109,94
57	265	10452-57	562,76	15452-57	362,61	110	445	10452-110	1.983,27	15452-110	1.334,98
58	274	10452-58	570,32	15452-58	368,56	115	450	10452-115	2.320,47	15452-115	1.484,04
59	274	10452-59	580,52	15452-59	374,51	120	480	10452-120	2.653,15	15452-120	1.712,37

Cu-Be / Al-Br

Chiavi a Percussione Antiscintilla



10452
15452

Chiavi Poligonali Semplici

Cu-Be

Al-Br

DIN7444

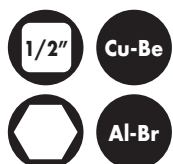


SAE	Cu-Be			Al-Br	
 "	L mm	Part N°	€	Part N°	€
5/8	145	10452-5/8	136,34	15452-5/8	91,10
11/16	145	10452-11/16	140,88	15452-11/16	102,03
3/4	145	10452-3/4	149,17	15452-3/4	107,50
25/32	145	10452-25/32	120,27	15452-25/32	103,04
13/16	155	10452-13/16	136,88	15452-13/16	110,72
7/8	155	10452-7/8	157,45	15452-7/8	114,26
15/16	165	10452-15/16	166,28	15452-15/16	116,19
1	175	10452-1	165,75	15452-1	118,08
1.1/16	175	10452-1.1/16	165,75	15452-1.1/16	121,89
1.1/8	185	10452-1.1/8	174,03	15452-1.1/8	125,72
1.3/16	185	10452-1.3/16	182,33	15452-1.3/16	129,35
1.1/4	185	10452-1.1/4	182,33	15452-1.1/4	137,13
1.5/16	200	10452-1.5/16	220,00	15452-1.5/16	140,80
1.3/8	200	10452-1.3/8	231,33	15452-1.3/8	144,45
1.13/32	205	10452-1.13/32	265,20	15452-1.13/32	182,45
1.7/16	205	10452-1.7/16	265,20	15452-1.7/16	190,51
1.1/2	215	10452-1.1/2	281,78	15452-1.1/2	191,96
1.9/16	225	10452-1.9/16	328,52	15452-1.9/16	199,69
1.5/8	225	10452-1.5/8	350,49	15452-1.5/8	217,82
1.11/16	225	10452-1.11/16	356,37	15452-1.11/16	223,28
1.3/4	235	10452-1.3/4	364,67	15452-1.3/4	228,72
1.13/16	235	10452-1.13/16	380,87	15452-1.13/16	262,40
1.7/8	235	10452-1.7/8	440,72	15452-1.7/8	285,23
1.15/16	250	10452-1.15/16	461,53	15452-1.15/16	294,48
2	250	10452-2	464,76	15452-2	303,77
2.1/16	265	10452-2.1/16	464,11	15452-2.1/16	322,29
2.1/8	265	10452-2.1/8	480,69	15452-2.1/8	340,85
2.3/16	265	10452-2.3/16	497,27	15452-2.3/16	359,43
2.13/64	265	10452-2.13/64	497,27	15452-2.13/64	359,43
2.1/4	274	10452-2.1/4	513,84	15452-2.1/4	357,39

SAE		Cu-Be		Al-Br	
 mm	L mm	Part N°	€	Part N°	€
2.5/16	274	10452-2.5/16	513,84	15452-2.5/16	388,85
2.3/8	274	10452-2.3/8	530,42	15452-2.3/8	399,35
2.7/16	274	10452-2.7/16	530,42	15452-2.7/16	404,62
2.1/2	298	10452-2.1/2	547,00	15452-2.1/2	418,58
2.9/16	298	10452-2.9/16	633,95	15452-2.9/16	402,28
2.5/8	298	10452-2.5/8	646,44	15452-2.5/8	429,70
2.3/4	320	10452-2.3/4	696,16	15452-2.3/4	548,56
2.13/16	320	10452-2.13/16	770,77	15452-2.13/16	585,13
2.7/8	326	10452-2.7/8	911,37	15452-2.7/8	610,57
2.15/16	326	10452-2.15/16	812,21	15452-2.15/16	620,73
3	326	10452-3	861,94	15452-3	629,65
3.1/16	350	10452-3.1/16	928,23	15452-3.1/16	653,93
3.1/8	350	10452-3.1/8	961,38	15452-3.1/8	686,91
3.1/4	355	10452-3.1/4	994,54	15452-3.1/4	705,97
3.3/8	355	10452-3.3/8	1.027,69	15452-3.3/8	723,62
3.1/2	380	10452-3.1/2	1.120,33	15452-3.1/2	748,90
3.9/16	380	10452-3.9/16	1.160,29	15452-3.9/16	791,85
3.5/8	390	10452-3.5/8	1.259,75	15452-3.5/8	933,40
3.3/4	390	10452-3.3/4	1.326,06	15452-3.3/4	973,24
3.7/8	410	10452-3.7/8	1.557,99	15452-3.7/8	1.051,09
3.15/16	410	10452-3.15/16	1.624,35	15452-3.15/16	1.135,16
4	410	10452-4	1.773,54	15452-4	1.180,59
4.1/8	420	10452-4.1/8	1.823,31	15452-4.1/8	1.226,00
4.1/4	445	10452-4.1/4	1.989,07	15452-4.1/4	1.368,90
4.5/16	445	10452-4.5/16	2.154,84	15452-4.5/16	1.403,09
4.1/2	450	10452-4.1/2	3.112,91	15452-4.1/2	1.674,33
4.9/16	450	10452-4.9/16	2.486,23	15452-4.9/16	1.694,99
4.11/16	480	10452-4.11/16	2.817,77	15452-4.11/16	1.797,79
4.7/8	480	10452-4.7/8	3.149,31	15452-4.7/8	2.009,28
4.15/16	480	10452-4.15/16	3.315,08	15452-4.15/16	2.212,16

**10531
15531**

Esagonale



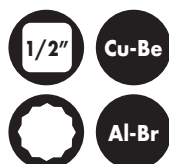
Cu-Be

Al-Br

mm	L mm	Part N°	€	Part N°	€
6	40	10531-06	105,37	15531-06	76,50
7	40	10531-07	107,84	15531-07	78,49
8	40	10531-08	110,76	15531-08	80,34
9	40	10531-09	112,98	15531-09	82,30
10	40	10531-10	104,74	15531-10	84,17
11	40	10531-11	110,14	15531-11	86,08
12	40	10531-12	117,38	15531-12	88,00
13	40	10531-13	122,80	15531-13	89,90
14	40	10531-14	124,59	15531-14	91,84
15	40	10531-15	128,20	15531-15	93,79
16	40	10531-16	132,70	15531-16	95,66
17	40	10531-17	104,49	15531-17	100,86
18	42	10531-18	140,83	15531-18	105,18
19	42	10531-19	147,16	15531-19	107,12
20	42	10531-20	148,97	15531-20	109,03
21	43	10531-21	153,47	15531-21	114,77
22	43	10531-22	158,89	15531-22	118,61
23	43	10531-23	168,16	15531-23	122,42
24	43	10531-24	178,66	15531-24	130,07
25	43	10531-25	200,42	15531-25	157,53
26	43	10531-26	214,86	15531-26	168,78
27	46	10531-27	225,70	15531-27	175,53
28	46	10531-28	238,35	15531-28	180,04
29	46	10531-29	254,18	15531-29	196,58
30	46	10531-30	262,78	15531-30	198,04
32	46	10531-32	282,87	15531-32	202,68

**10530
15530**

Poligonale



Cu-Be

Al-Br

mm	L mm	Part N°	€	Part N°	€
6	40	10530-06	105,37	15530-06	86,19
7	40	10530-07	107,84	15530-07	88,20
8	40	10530-08	110,76	15530-08	90,60
9	40	10530-09	112,98	15530-09	92,41
10	40	10530-10	104,74	15530-10	85,65
11	40	10530-11	110,14	15530-11	90,05
12	40	10530-12	117,38	15530-12	95,99
13	40	10530-13	122,80	15530-13	100,43
14	40	10530-14	124,59	15530-14	101,90
15	40	10530-15	128,20	15530-15	104,85
16	40	10530-16	132,70	15530-16	108,54
17	40	10530-17	134,16	15530-17	106,81
18	42	10530-18	140,83	15530-18	115,18
19	42	10530-19	147,16	15530-19	120,36
20	42	10530-20	148,97	15530-20	121,84
21	43	10530-21	153,47	15530-21	125,52
22	43	10530-22	158,89	15530-22	129,94
23	43	10530-23	168,16	15530-23	137,52
24	43	10530-24	178,66	15530-24	146,11
25	43	10530-25	200,42	15530-25	163,91
26	43	10530-26	214,86	15530-26	175,74
27	46	10530-27	225,70	15530-27	184,58
28	46	10530-28	238,35	15530-28	185,18
29	46	10530-29	254,18	15530-29	199,48
30	46	10530-30	262,78	15530-30	206,23
32	46	10530-32	282,87	15530-32	226,58

**10544
15544**

Cricchetto



Cu-Be		Al-Br	
Lmm	Part N°	€	Part N°
245	10544-001	374,76	15544-001
			350,98

Cu-Be / Al-Br

1/2"

Accessori Antiscintilla per Chiavi a Bussola



10543
15543

Snodo Cardanico



1/2"

Cu-Be

Al-Br

Part N°	€	Part N°	€
10543-009	325,53	15543-009	208,98

10543
15543

Raccordo Aumentatore



1/2"

3/4"

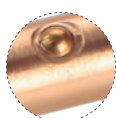
Cu-Be

Al-Br

		Part N°	€	Part N°	€
1/2"	3/4"	10543-011	259,39	15543-011	176,33

10543
15543

Leva a "T" con Attacco Quadro Scorrevole con Arresto Laterale



1/2"

Cu-Be

Al-Br

	L mm	Part N°	€	Part N°	€
1/2"	250	10543-025	255,52	15543-025	252,70

10543
15543

Prolunghe



1/2"

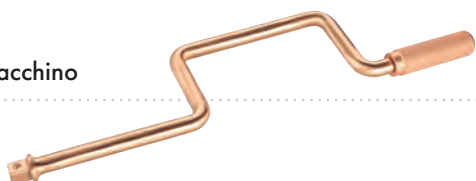
Cu-Be

Al-Br

L mm	Part N°	€	Part N°	€
100	10543-100	221,44	15543-100	170,98
200	10543-200	245,30	15543-200	187,75
250	10543-250	238,49	15543-250	206,22

10543
15543

Girabacchino



1/2"

Cu-Be

Al-Br

L mm	H mm	Part N°	€	Part N°	€
390	96	10543-400	492,62	15543-400	343,96

10465
15465

Manico Angolato



1/2"

Cu-Be

Al-Br

	L mm	L2 mm	Part N°	€	Part N°	€
1/2"	230	60	10465-1/2-225	294,75	15465-1/2-225	194,08

10531
15531

Serie di Chiavi a Bussola

24

Pcs

1/2"



Chiavi a Bussola



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

Snodo Cardanico



Leva a T con Attacco Quadro Scorrevole



Girabacchino



Prolunghe



250 mm
100 mm

Cricchetto



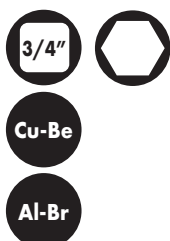
Cu-Be

Al-Br

Part N°	€	Part N°	€
10531-001	4.663,49	15531-001	3.254,48

**10549
15549**

Esagonale



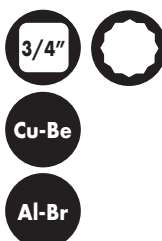
Cu-Be

Al-Br

	L mm	Part N°	€	Part N°	€
17	50	10549-17	175,62	15549-17	145,34
18	50	10549-18	214,49	15549-18	145,80
19	50	10549-19	176,39	15549-19	146,24
21	55	10549-21	194,24	15549-21	160,83
22	55	10549-22	198,91	15549-22	162,52
23	55	10549-23	206,10	15549-23	171,72
24	55	10549-24	223,35	15549-24	183,20
26	55	10549-26	232,41	15549-26	185,15
27	55	10549-27	236,47	15549-27	196,41
28	55	10549-28	250,95	15549-28	206,22
29	55	10549-29	301,02	15549-29	220,50
30	60	10549-30	319,24	15549-30	232,55
32	60	10549-32	359,93	15549-32	262,65
34	60	10549-34	387,28	15549-34	283,72
36	60	10549-36	416,06	15549-36	302,53
38	60	10549-38	444,14	15549-38	323,61
41	65	10549-41	488,32	15549-41	356,73
46	65	10549-46	577,44	15549-46	421,43
50	70	10549-50	632,86	15549-50	462,08

**10548
15548**

Poligonale



Cu-Be

Al-Br

	L mm	Part N°	€	Part N°	€
17	50	10548-17	175,62	15548-17	145,34
18	50	10548-18	214,49	15548-18	145,80
19	50	10548-19	176,39	15548-19	146,24
21	55	10548-21	194,24	15548-21	160,83
22	55	10548-22	198,91	15548-22	162,52
23	55	10548-23	206,10	15548-23	171,72
24	55	10548-24	223,35	15548-24	183,20
26	55	10548-26	232,41	15548-26	185,15
27	55	10548-27	236,47	15548-27	196,41
28	55	10548-28	250,95	15548-28	206,22
29	55	10548-29	301,02	15548-29	220,50
30	60	10548-30	319,24	15548-30	232,55
32	60	10548-32	359,93	15548-32	262,65
34	60	10548-34	387,28	15548-34	283,72
36	60	10548-36	416,06	15548-36	302,53
38	60	10548-38	444,14	15548-38	323,61
41	65	10548-41	488,32	15548-41	356,73
46	65	10548-46	577,44	15548-46	421,43
50	70	10548-50	632,86	15548-50	462,08

**10554
15554**

Cricchetto



Cu-Be

Al-Br

Lmm	Part N°	€	Part N°	€
320	10554-001	749,50	15554-001	705,79

Cu-Be / Al-Br

3/4"

Accessori Antiscintilla per Chiavi a Bussola



10553
15553

Snodo Cardanico



3/4"

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10553-009	681,36	15553-009	527,23

10553
15553

Raccordo Aumentatore



3/4"

1"

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10553-011	522,23	15553-011	359,77

10553
15553

Raccordo Riduttore



3/4"

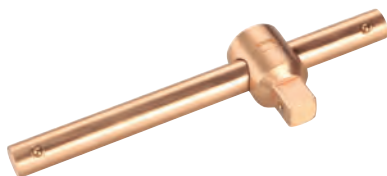
1/2"

Cu-Be		Al-Br	
Part N°	€	Part N°	€
10553-012	250,50	15553-012	215,10

10553
15553

Leva a "T" con Attacco Quadro Scorrevole con Arresto Laterale

3/4"

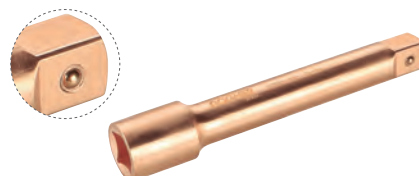


Cu-Be		Al-Br	
Part N°	€	Part N°	€
10553-014	391,78	15553-014	303,16

10553
15553

Prolunga Antiscintilla

3/4"



Cu-Be		Al-Br	
Part N°	€	Part N°	€
10553-200	344,08	15553-200	281,63

10531
15531

Serie di Chiavi a Bussola

14

Pcs

3/4"



Chiavi a Bussola



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

Leva a T con Attacco Quadro Scorrevole



Prolunghe



200 mm

Cricchetto



Cu-Be		Al-Br	
Part N°	€	Part N°	€
10549-001	5.558,46	15549-001	4.340,53

**10558
15558**

Esagonale

1"



Cu-Be

Al-Br


Cu-Be
Al-Br

	L mm	Part N°	€	Part N°	€
22	55	10558-22	249,63	15558-22	181,48
24	55	10558-24	289,01	15558-24	200,41
26	55	10558-26	315,28	15558-26	247,70
27	55	10558-27	341,57	15558-27	256,28
28	55	10558-28	337,18	15558-28	261,47
29	55	10558-29	394,10	15558-29	267,50
30	60	10558-30	420,35	15558-30	273,50
31	60	10558-31	396,27	15558-31	295,87
32	60	10558-32	444,02	15558-32	316,50
34	60	10558-34	525,46	15558-34	333,71
36	65	10558-36	551,73	15558-36	357,82
38	65	10558-38	572,21	15558-38	385,32
41	70	10558-41	585,24	15558-41	437,77
46	75	10558-46	643,70	15558-46	486,81
50	75	10558-50	683,09	15558-50	534,94
55	80	10558-55	748,79	15558-55	603,77
60	85	10558-60	932,70	15558-60	674,30
65	90	10558-65	998,39	15558-65	748,27
70	90	10558-70	1.103,49	15558-70	823,94
75	95	10558-75	1.311,05	15558-75	899,64
80	95	10558-80	1.392,48	15558-80	977,93

**10557
15557**

Poligonale

1"



Cu-Be

Al-Br


Cu-Be
Al-Br

	L mm	Part N°	€	Part N°	€
22	55	10557-22	249,63	15557-22	185,33
24	55	10557-24	289,01	15557-24	214,57
26	55	10557-26	315,28	15557-26	234,09
27	55	10557-27	341,57	15557-27	253,61
28	55	10557-28	337,18	15557-28	250,35
29	55	10557-29	394,10	15557-29	286,31
30	60	10557-30	420,35	15557-30	312,10
31	60	10557-31	396,27	15557-31	294,22
32	60	10557-32	444,02	15557-32	329,68
34	60	10557-34	525,46	15557-34	390,14
36	65	10557-36	551,73	15557-36	409,65
38	65	10557-38	572,21	15557-38	429,16
41	70	10557-41	585,24	15557-41	438,92
46	75	10557-46	643,70	15557-46	477,94
50	75	10557-50	683,09	15557-50	507,19
55	80	10557-55	748,79	15557-55	555,97
60	85	10557-60	932,70	15557-60	692,53
65	90	10557-65	998,39	15557-65	741,29
70	90	10557-70	1.103,49	15557-70	819,33
75	95	10557-75	1.311,05	15557-75	952,51
80	95	10557-80	1.392,48	15557-80	1.033,89

**10560
15560**

Cricchetto

1"

Cu-Be


Cu-Be
Al-Br

Lmm	Part N°	€	Part N°	€
550	10560-001	1.567,16	15560-001	1.369,12

Cu-Be / Al-Br

1"

Accessori Antiscintilla per Chiavi a Bussola



10559
15559

Snodo Cardanico

1"

Cu-Be

Al-Br



Cu-Be

Al-Br

Part N°	€	Part N°	€
10559-003	1.027,16	15559-003	640,68

10559
15559

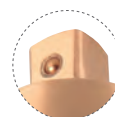
Raccordo Riduttore

1"

3/4"

Cu-Be

Al-Br



Cu-Be

Al-Br

		Part N°	€	Part N°	€
1"	3/4"	10559-012	505,52	15559-012	324,89

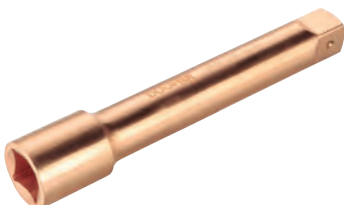
10559
15559

Prolunga

1"

Cu-Be

Al-Br



Cu-Be

Al-Br

L mm	Part N°	€	Part N°	€
250	10559-250	709,42	15559-250	452,15

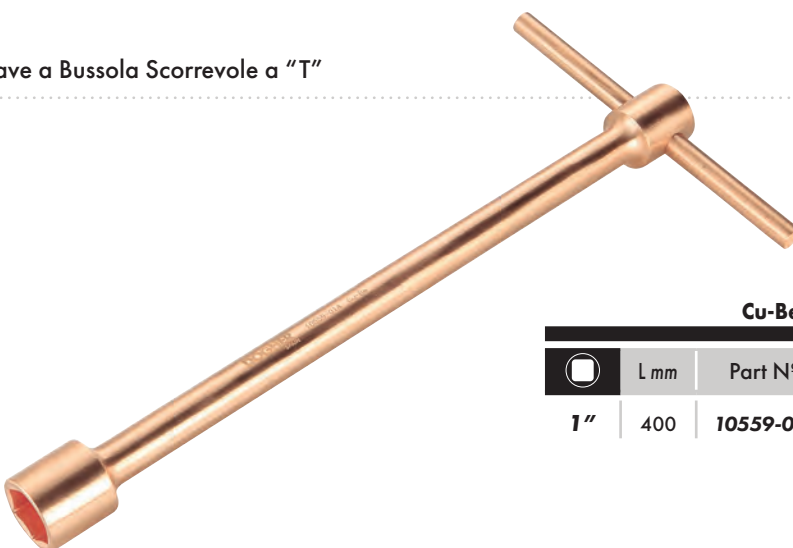
10559
15559

Chiave a Bussola Scorrevole a "T"

1"

Cu-Be

Al-Br



Cu-Be

Al-Br

	L mm	Part N°	€	Part N°	€
1"	400	10559-014	715,45	15559-014	629,43

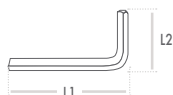
**10600
15600**

Chiavi Maschio Esagonale Piegata Corte



Cu-Be

Al-Br



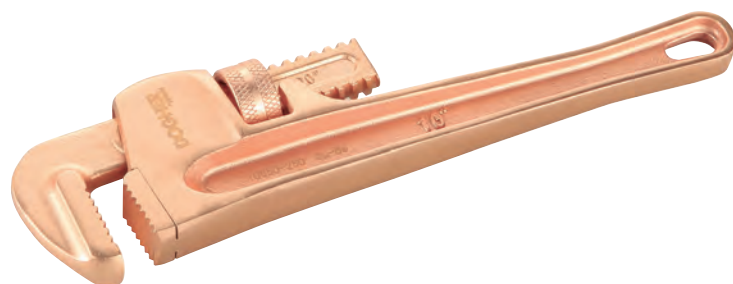
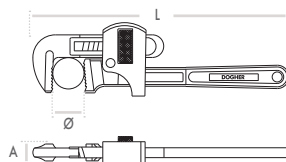
Cu-Be				Al-Br	
mm	L1 mm	L2 mm	Part N°	€	Part N°
1,5	38	13	10600-01,5	54,39	15600-01,5
2	38	13	10600-02	60,20	15600-02
3	59	25	10600-03	58,09	15600-03
4	65	30	10600-04	62,51	15600-04
5	79	32	10600-05	65,23	15600-05
6	85	37	10600-06	68,03	15600-06
7	88	43	10600-07	75,32	15600-07
8	92	44	10600-08	79,02	15600-08
9	97	44	10600-09	87,31	15600-09
10	110	45	10600-10	93,74	15600-10
12	130	52	10600-12	180,91	15600-12

**10650
15650**

Giratubi Modello Americano

Cu-Be

Al-Br



Cu-Be				Al-Br	
L mm	Ø mm	Part N°	€	Part N°	€
200	25	10650-200	474,48	15650-200	366,11
250	30	10650-250	550,01	15650-250	425,14
300	40	10650-300	598,02	15650-300	460,60
350	50	10650-350	702,25	15650-350	543,23
450	60	10650-450	838,20	15650-450	652,96
600	75	10650-600	1.306,46	15650-600	995,97
900	85	10650-900	2.246,79	15650-900	1.716,45
1200	110	10650-1200	4.093,42	15650-1200	3.127,18

Cu-Be / Al-Br

Chiavi di Manovra Antiscintilla



10680
15680

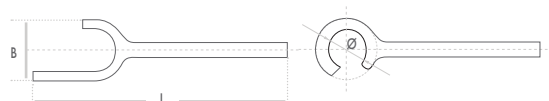
Chiavi di Manovra per Route di Valvola

Cu-Be

Al-Br



Cu-Be				Al-Br		
B mm	Ø mm	L mm	Part N°	€	Part N°	€
60	36	370	10680-370	498,53	15680-370	315,62



10685
15685

Chiave Tappatrice

Cu-Be

Al-Br



Cu-Be				Al-Br		
L mm	S1 mm	S2 mm	Part N°	€	Part N°	€
300	38	52	10685-300	312,37	15685-300	283,94

10681
15681

Chiavi di Manovra per Valvole di Sicurezza

Cu-Be

Al-Br



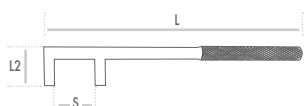
Cu-Be				Al-Br			
L mm	L "	B mm	Ø mm	Part N°	€	Part N°	€
210	8	62	23	10681-30	390,81	15681-30	347,72
215	8,5	57	32	10681-32	420,21	15681-32	392,73
290	11	58	36	10681-35	527,09	15681-35	510,88
400	16	83	46	10681-40	926,00	15681-40	897,54
485	19	100	48	10681-45	1.151,52	15681-45	1.024,60
800	31	114	58	10681-48	1.377,86	15681-48	1.225,99

10690
15690

Chiavi di Manovra Semplici per Valvole di Sicurezza

Cu-Be

Al-Br



Cu-Be				Al-Br		
S mm	L mm	L2 mm	Part N°	€	Part N°	€
30	200	44	10690-30	290,77	15690-30	212,14
32	300	50	10690-32	399,79	15690-32	288,69
35	250	47	10690-35	323,58	15690-35	239,00
40	300	50	10690-40	399,79	15690-40	288,69
45	350	58	10690-45	487,72	15690-45	318,22
48	375	62	10690-48	528,78	15690-48	350,44
50	400	67	10690-50	561,60	15690-50	370,55
55	450	73	10690-55	670,62	15690-55	385,33
60	500	79	10690-60	722,24	15690-60	410,83
65	550	82	10690-65	823,04	15690-65	460,54
70	600	85	10690-70	903,95	15690-70	515,55
75	650	88	10690-75	1.005,94	15690-75	576,01
80	700	91	10690-80	1.144,31	15690-80	657,89
85	750	97	10690-85	1.273,26	15690-85	741,15
90	800	103	10690-90	1.404,59	15690-90	778,75

**10712
15712**
**Mazzette a Testa Quadra
Manico in Legno**
Cu-Be
Al-Br

Cu-Be
Al-Br

g	L mm	Part N°	€	Part N°	€
2000	400	10712-2000A	467,59	15712-2000A	459,13
2500	400	10712-2500A	597,33	15712-2500A	573,74
3000	700	10712-3000A	716,64	15712-3000A	688,35
4000	900	10712-4000A	950,80	15712-4000A	912,49

**10713
15713**
**Mazzette a Testa Quadra
Manico in Fibra di Vetro**
Cu-Be
Al-Br


Pin di sicurezza

Cu-Be
Al-Br

g	L mm	Part N°	€	Part N°	€
1000	400	10713-1000A	273,95	15713-1000A	197,08
1500	400	10713-1500A	333,42	15713-1500A	227,25
2000	400	10713-2000A	412,06	15713-2000A	278,27
2500	700	10713-2500A	515,48	15713-2500A	371,01
3000	700	10713-3000A	612,60	15713-3000A	440,57
3500	700	10713-3500A	851,09	15713-3500A	556,50

**10713
15713**
**Mazze a Testa Ottagonale
Manico in Fibra di Vetro**
Cu-Be
Al-Br


Pin di sicurezza

Cu-Be
Al-Br

g	L mm	Part N°	€	Part N°	€
450	310	10713-450	150,64	15713-450	99,55
1000	400	10713-1000	260,01	15713-1000	139,00
1500	400	10713-1500	321,74	15713-1500	185,33
2000	400	10713-2000	434,85	15713-2000	254,83
2500	700	10713-2500	504,42	15713-2500	324,33
3000	700	10713-3000	608,79	15713-3000	393,82
4500	900	10713-4500	852,32	15713-4500	507,33
5000	900	10713-5000	986,18	15713-5000	567,57
6800	900	10713-6800	1.234,99	15713-6800	787,64
8000	900	10713-8000	1.545,69	15713-8000	833,97
10000	900	10713-10000	1.913,35	15713-10000	1.388,80
12900	900	10713-12000	2.348,16	15713-12000	1.666,57

Cu-Be / Al-Br

Martelli Antiscintilla



10700
15700

Martelli Modello Americano a Penna Sferica
Manico in Legno

Cu-Be

Al-Br



		Cu-Be		Al-Br	
g	L mm	Part N°	€	Part N°	€
300	280	10700-300	96,56	15700-300	69,57
450	310	10700-450	128,65	15700-450	92,76
700	340	10700-700	181,03	15700-700	130,43
900	350	10700-900	242,00	15700-900	173,89

10701
15701

Martelli Modello Americano a Penna Sferica
Manico in Fibra di Vetro

Cu-Be

Al-Br



Pin di sicurezza

		Cu-Be		Al-Br	
g	L mm	Part N°	€	Part N°	€
300	280	10701-300	90,65	15701-300	70,62
450	310	10701-450	131,15	15701-450	94,15
700	340	10701-700	165,68	15701-700	119,25
900	350	10701-900	214,35	15701-900	181,47

10708
15708

Martelli con Penna a Granchio
Manico in Fibra di Vetro

Cu-Be

Al-Br



Pin di sicurezza

		Cu-Be		Al-Br	
g	L mm	Part N°	€	Part N°	€
500	300	10708-500	146,02	15708-500	88,25
700	330	10708-700	172,90	15708-700	104,29

**10727
15727** Martelli Modello Meccanico
Manico in Fibra di Vetro



		Cu-Be		Al-Br	
g	L mm	Part N°	€	Part N°	€
255	280	10727-100	84,98	15727-100	70,62
355	280	10727-200	113,30	15727-200	81,14
455	280	10727-300	128,41	15727-300	99,69
500	310	10727-500	169,95	15727-500	125,22
800	340	10727-800	226,60	15727-800	162,31
1000	340	10727-1000	264,37	15727-1000	197,08
1500	400	10727-1500	358,79	15727-1500	266,66
2000	450	10727-2000	448,27	15727-2000	322,31

**10720
15727** Picconi Modello Calderaio
Manico in Fibra di Vetro



		Cu-Be		Al-Br	
g	L mm	Part N°	€	Part N°	€
200	280	10720-200	113,35	15720-200	75,41
400	300	10720-400	142,45	15720-400	94,67
600	340	10720-600	172,70	15720-600	104,29
900	350	10720-900	244,05	15720-900	169,49

Cu-Be / Al-Br

Picconi e Cunei Antiscintilla

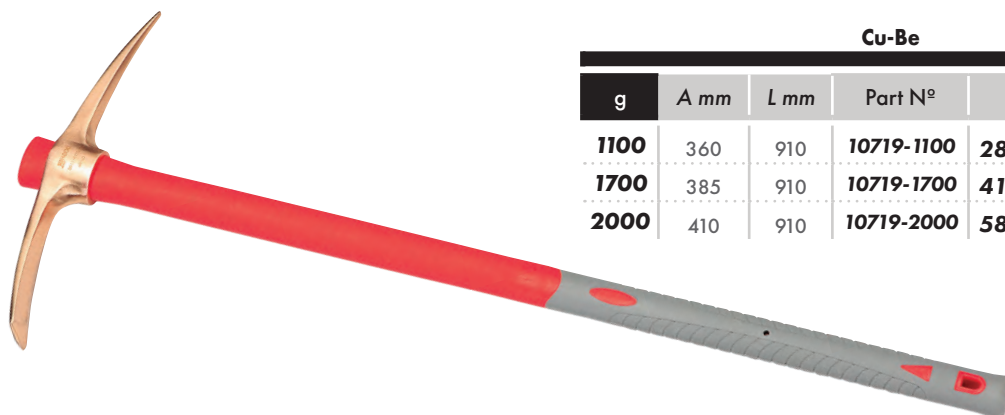


10719
15719

Picconi
Manico in Fibra di Vetro

Cu-Be

Al-Br



Cu-Be				Al-Br		
g	A mm	L mm	Part N°	€	Part N°	€
1100	360	910	10719-1100	282,85	15719-1100	212,91
1700	385	910	10719-1700	417,22	15719-1700	311,27
2000	410	910	10719-2000	587,53	15719-2000	371,42

10726
15726

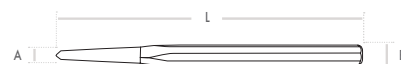
Cunei

Cu-Be

Al-Br



Cu-Be				Al-Br		
L mm	B mm	H mm	Part N°	€	Part N°	€
80	13	6	10726-80-13	15,95	15726-80-13	12,52
100	50	10	10726-100-50	59,92	15726-100-50	46,36
135	50	18	10726-135-50	115,24	15726-135-50	88,12
150	25	8	10726-150-25	47,95	15726-150-25	41,74
150	30	13	10726-150-30	57,51	15726-150-30	44,41
150	40	8	10726-150-40	60,22	15726-150-40	46,36
150	50	13	10726-150-50	103,20	15726-150-50	78,84
180	13	6	10726-180-13	47,95	15726-180-13	42,38
180	32	13	10726-180-32	69,60	15726-180-32	53,33
180	50	19	10726-180-50	153,00	15726-180-50	118,25
200	20	30	10726-200-20	136,80	15726-200-20	104,34
200	30	30	10726-200-30	164,94	15726-200-30	127,52
200	40	40	10726-200-40	273,77	15726-200-40	174,07
200	50	12	10726-200-50	124,64	15726-200-50	101,17
230	40	20	10726-230-40	173,94	15726-230-40	134,49
250	40	30	10726-250-40	273,00	15726-250-40	208,68
300	50	40	10726-300-50	534,17	15726-300-50	408,11


 10749
15749

Bulini Esagonale

Cu-Be

Al-Br



Cu-Be

Al-Br

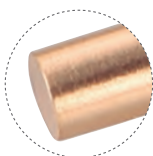
A mm	L mm	Part N°	€	Part N°	€
12	100	10749-100	56,54	15749-100	45,89
14	150	10749-150	93,40	15749-150	39,73

 10746
15746

Cacciaspine Cilindrici

Cu-Be

Al-Br



Cu-Be

Al-Br

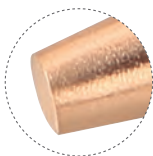
Ø mm	Ø 1 mm	L mm	Part N°	€	Part N°	€
2	9	110	10746-02	77,56	15746-02	60,16
3	9	110	10746-03	84,73	15746-03	60,16
4	10	110	10746-04	84,73	15746-04	60,16
5	10	110	10746-05	96,38	15746-05	74,02
6	12	115	10746-06	104,24	15746-06	74,02
8	14	120	10746-08	110,92	15746-08	78,76
10	14	120	10746-10	141,06	15746-10	98,45

 10748
15748

Cacciaspine Conici

Cu-Be

Al-Br



Cu-Be

Al-Br

A mm	L mm	Part N°	€	Part N°	€
18	200	10748-05	80,49	15748-05	71,44
20	250	10748-08	96,04	15748-08	85,25
20	300	10748-10	114,43	15748-10	101,57

 10757
15757

Scalpelli

Cu-Be

Al-Br



Cu-Be

Al-Br

A mm	L mm	Part N°	€	Part N°	€
22	150	10757-150	109,66	15757-150	70,07
22	200	10757-200	141,14	15757-200	90,09
24	250	10757-250	190,47	15757-250	121,79
25	300	10757-300	226,73	15757-300	145,13
27	400	10757-400	292,18	15757-400	186,85

 10761
15761

Ugnetti

Cu-Be

Al-Br



Cu-Be

Al-Br

A mm	B mm	L mm	Part N°	€	Part N°	€
4	4	140	10761-150	179,15	15761-150	100,51
4	4	200	10761-200	286,88	15761-200	161,25
5	5	300	10761-300	469,52	15761-300	263,76

Cu-Be / Al-Br

Seghetto e Lama Antiscintilla



10840
15840

Seghetto

Cu-Be

Al-Br



Cu-Be			Al-Br	
L mm	Part N°	€	Part N°	€
500	10840-001	616,47	15840-001	471,81

10840
15840

Lama per Seghetto

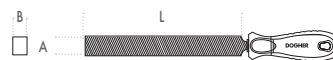
Cu-Be

Al-Br



Cu-Be			Al-Br		
L mm	A mm	Part N°	€	Part N°	€
300	12	10840-050	236,21	15840-050	152,12





10804

Lime Piatte Parallele a Taglio Mezzodolce
Impugnatura Bimateriale

Cu-Be



Cu-Be

L mm	L"	A mm	B mm	Part N°	€
200	8	20	6	10804-200	201,58
300	12	31	8	10804-300	279,46

10805

Lima Mezzotonda a Taglio Mezzodolce
Impugnatura Bimateriale

Cu-Be



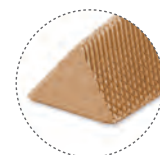
Cu-Be

L mm	L"	A mm	B mm	Part N°	€
200	8	19	10	10805-200	199,96

10806

Lima Triangolare a Taglio Mezzodolce
Impugnatura Bimateriale

Cu-Be



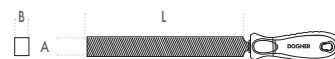
Cu-Be

L mm	L"	B mm	Part N°	€
200	8	7	10806-200	208,93

Cu-Be / Al-Br

Lime Antiscintilla

DOGHER
TOOLS



10807

Lima Quadra a Taglio Mezzodolce
Impugnatura Bimateriale

Cu-Be



Cu-Be

L mm	L"	A mm	Part N°	€
200	10	10	10807-200	155,40

10808

Lima Tonda a Taglio Mezzodolce
Impugnatura Bimateriale

Cu-Be



Cu-Be

L mm	L"	Ø mm	Part N°	€
200	8	6	10808-200	155,40

10892
15892

Chiavi a Cricchetto per Ponteggi

Cu-Be

Al-Br



mm	L mm	Cu-Be		Al-Br	
		Part N°	€	Part N°	€
10	230	10892-10	186,55	15892-10	131,79
11	240	10892-11	196,37	15892-11	138,72
12	250	10892-12	206,74	15892-12	146,04
13	260	10892-13	217,59	15892-13	153,71
14	270	10892-14	229,06	15892-14	161,81
16	300	10892-16	253,81	15892-16	179,30
17	310	10892-17	267,16	15892-17	188,73
18	320	10892-18	281,23	15892-18	198,67
19	330	10892-19	281,23	15892-19	198,67
20	340	10892-20	296,03	15892-20	209,13
22	350	10892-22	311,61	15892-22	220,12
24	370	10892-24	311,61	15892-24	220,12
27	400	10892-27	380,83	15892-27	269,02
30	430	10892-30	380,83	15892-30	269,02
32	430	10892-32	380,83	15892-32	269,02

10870
15870

Pala a Punta Arrotondata
Manico Lungo in Legno

Cu-Be

Al-Br



A mm	B mm	L mm	Cu-Be		Al-Br	
			Part N°	€	Part N°	€
240	420	1450	10870-010	417,96	15870-010	282,91

Cu-Be / Al-Br

Zappe e Leve Antiscintilla



10876
15876

Zappe
Manico in Legno

Cu-Be

Al-Br



Cu-Be				Al-Br	
A mm	B mm	Part N°	€	Part N°	€
130	130	10876-130	626,08	15876-130	395,90
200	200	10876-200	948,77	15876-200	599,95

10850
15850

Leva/Raschietto

Cu-Be

Al-Br



Cu-Be				Al-Br	
A mm	L mm	Part N°	€	Part N°	€
45	300	10850-001	247,44	15850-001	135,55

10884
15884

Leve Piegati

Cu-Be

Al-Br



Cu-Be				Al-Br	
L mm	Ø mm	Part N°	€	Part N°	€
460	16	10884-460	356,66	15884-460	187,71
600	20	10884-600	491,38	15884-600	389,09
760	22	10884-760	660,48	15884-760	440,13
900	22	10884-900	877,15	15884-900	461,53

10850
15850 Raschietto Piatto
 Impugnatura in Legno

Cu-Be

Al-Br



Cu-Be				Al-Br		
A mm	L mm	L1 mm	Part N°	€	Part N°	€
30	325	200	10850-010	176,32	15850-010	124,75

10850
15850 Raschietto Largo
 Manico in Legno

Cu-Be

Al-Br



Cu-Be				Al-Br		
A mm	L mm	L1 mm	Part N°	€	Part N°	€
100	720	115	10850-020	218,65	15850-020	142,76

10850
15850 Raschietto a Tre Lati
 Impugnatura in Legno

Cu-Be

Al-Br



Cu-Be				Al-Br		
A mm	L mm	L1 mm	Part N°	€	Part N°	€
26	400	300	10850-030	255,98	15850-030	200,56

Cu-Be / Al-Br

Raschietto, Spatole e Estrattori Antiscintilla

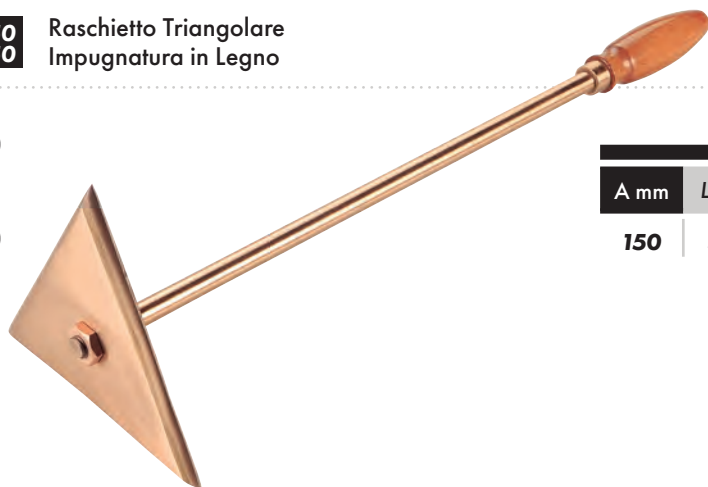


10850
15850

Raschietto Triangolare
Impugnatura in Legno

Cu-Be

Al-Br



Cu-Be

Al-Br

A mm	L mm	Part N°	€	Part N°	€
150	470	10850-040	678,57	15850-040	443,51

10878
15878

Spatole Flessibile
Impugnatura in Legno

Cu-Be

Al-Br



Cu-Be

Al-Br

A mm	L mm	L1 mm	Part N°	€	Part N°	€
50	200	95	10878-50	184,21	15878-50	86,57
75	200	95	10878-75	282,65	15878-75	148,45

10903
15903

Estrattori a 3 Bracci Reversibili

Cu-Be

Al-Br



Cu-Be

Al-Br

A min	A max	L"	Part N°	€	Part N°	€
50	100	4"	10903-100	2.155,78	15903-100	1.053,11
60	150	6"	10903-150	2.382,79	15903-150	1.169,12
70	200	8"	10903-200	2.544,20	15903-200	1.249,17
80	350	14"	10903-350	4.319,28	15903-350	1.871,53