



	211		254
	214		255
	218		257
	224		258
	229		259
	233		260
	234 238		261
	239		264
	241		
	244		
	248		
	250		

Wrenches
450

Adjustable Wrenches

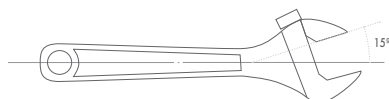
Spanish Type & Extra Wide Adjustable Wrenches



491

Spanish Type Adjustable Wrench

CrV



L mm	L "	mm	Part N°	€
150	6	24	491-150	34,27
200	8	29	491-200	38,24
250	10	33	491-250	47,23
300	12	38	491-300	59,78
400	16	50	491-400	99,43
500	20	62	491-500	180,50



230 x 210 x 155 mm

EXP

10 Spanish Type Adjustable Wrenches

10
Pcs

CrV



491-200 (x4)

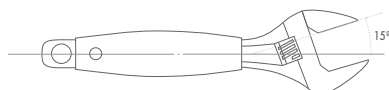
491-250 (x6)

Part N°	€
491-001J	436,34

492

Extra Wide Adjustable Wrench

CrV



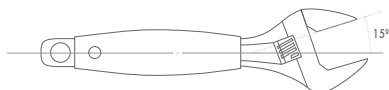
• Ergonomic Handle

L mm	L "	mm	Part N°	€
150	6	34	492-150	35,50
200	8	38	492-200	38,51
250	10	50	492-250	47,17
300	12	60	492-300	59,32

492

Extra Wide Thin Head Adjustable Wrench

CrV



• Ergonomic Handle

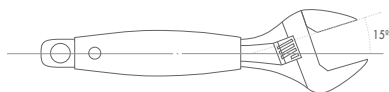
• Extra fine mouths

L mm	L "	mm	Part N°	€
150	6	34	492-006	39,06
200	8	38	492-008	42,36

492

Light Stubby Type Adjustable Wrench

CrV



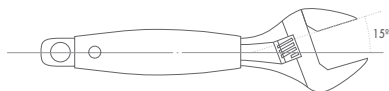
• Coated Ergonomic Handle

L mm	L "	mm	Part N°	€
140	6	32	492-014	39,42
160	6	43	492-016	46,90

493

Adjustable Wrenches

CrV



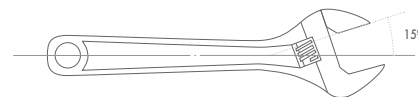
• Ergonomic Handle

• Reversible jaws. Toothed area: working with pipes

L mm	L "	mm	Part N°	€
200	8	38,1	493-008	42,18

Adjustable Wrenches

Adjustable Wrenches



493

Professional Adjustable Wrench

CrV



L mm	L "	mm	Part N°	€
100	4	17	493-100	24,03
150	6	24	493-150	24,74
200	8	29	493-200	28,40
250	10	33	493-250	34,72
300	12	38	493-300	45,52
380	15	50	493-380	77,44
450	18	60	493-450	121,59
600	24	70	493-600	302,09



230 x 210 x 155 mm

EXP

10 Professional Adjustable Wrenches

10
Pcs

CrV

Part N°	€
493-001J	321,92

493-200 (x4)

493-250 (x6)



4930

Adjustable Wrench

CrV



L mm	L "	mm	Part N°	€
100	4	13	4930-100	16,86
150	6	19	4930-150	17,03
200	8	24	4930-200	19,66
250	10	28	4930-250	24,69
300	12	34	4930-300	31,88
380	15	43	4930-380	57,27
450	18	52	4930-450	88,04
600	24	62	4930-600	186,28



230 x 210 x 155 mm

EXP

10 Adjustable Wrenches

10
Pcs

CrV

Part N°	€
4930-001J	226,78

4930-200 (x4)

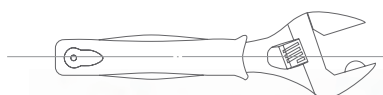
4930-250 (x6)



496

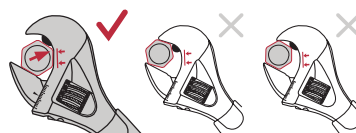
Ratcheting Adjustable Wrench

CrV



160 x 190 x 125 mm

L mm	L "	mm	Part N°	€
150	6	6~20	496-150	32,25
200	8	6~24	496-200	37,04
250	10	6~30	496-250	55,00



• Put the wrench like in picture

EXP

10 Ratcheting Adjustable Wrenches

10
Pcs

CrV



496-200 (x10)

Part N°	€
496-001J	370,40

4931

Adjustable Wrench

Alligator

CrV



230 x 210 x 155 mm

L mm	L "	mm	mm	Part N°	€
200	8	32	M3-M10	4931-200	42,21

EXP

10 Adjustable Wrenches

10
Pcs

CrV



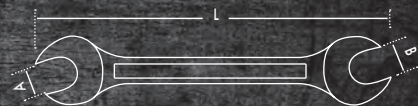
4931-200 (x10)

Part N°	€
4931-200J	422,10

Wrenches

All the DOGHER TOOLS wrenches are forged in CrV and tempered through a continuous heating.
This process gives the tool high hardness and toughness.
High resistance against oxidation thanks to the polishing process.

Double Open Ended Wrenches



450

Double Open Ended Wrench

CrV



SAE

A mm	B mm	L mm	Part N°	€
4	5	110	450-04-05	6,48
4,5	5,5	123	450-04,5-05,5	6,54
5	5,5	123	450-05-05,5	6,66
5,5	7	123	450-05,5-07	6,40
6	7	123	450-06-07	6,24
7	8	129	450-07-08	6,54
8	9	140	450-08-09	6,19
8	10	141	450-08-10	6,76
10	11	155	450-10-11	6,87
10	12	156	450-10-12	7,62
10	13	170	450-10-13	8,14
11	13	172	450-11-13	8,15
12	13	172	450-12-13	8,15
12	14	179	450-12-14	8,87
13	15	189	450-13-15	9,65
13	17	205	450-13-17	10,41
14	15	190	450-14-15	8,80
16	17	204	450-16-17	10,24
16	18	210	450-16-18	10,58
17	19	221	450-17-19	11,71
18	19	220	450-18-19	11,72
19	22	237	450-19-22	14,22
20	22	237	450-20-22	13,99
21	23	247	450-21-23	15,19
22	24	247	450-22-24	15,22
24	26	263	450-24-26	17,65
24	27	266	450-24-27	17,89
25	28	280	450-25-28	20,55
27	29	280	450-27-29	24,21
27	30	285	450-27-30	25,10
27	32	300	450-27-32	27,63
30	32	298	450-30-32	27,68
32	36	350	450-32-36	46,60
34	36	350	450-34-36	48,90
36	41	380	450-36-41	54,63
41	46	415	450-41-46	76,88
46	50	465	450-46-50	100,22

A "	B "	L mm	Part N°	€
1/4"	5/16"	123	450-1/4-5/16	6,03
5/16"	3/8"	140	450-5/16-3/8	6,24
3/8"	7/16"	156	450-3/8-7/16	7,25
7/16"	1/2"	172	450-7/16-1/2	8,67
1/2"	9/16"	172	450-1/2-9/16	8,67
9/16"	5/8"	188	450-9/16-5/8	9,21
5/8"	11/16"	204	450-5/8-11/16	10,72
11/16"	3/4"	220	450-11/16-3/4	11,86
13/16"	7/8"	238	450-13/16-7/8	14,10
15/16"	1"	266	450-15/16-1	18,08
1"	1.1/8"	280	450-1-1.1/8	21,12
1.1/16"	1.1/4"	298	450-1.1/16-1.1/4	27,51



• Hanging unit packaging available

450

Nylon Pouch

8

Pcs

CrV



390 x 300 mm



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

Part N°	€
450-001	78,45
450-001V *	21,53

* Empty Nylon Pouch

450

Nylon Pouch

12

Pcs

CrV



620 x 350 mm



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

Part N°	€
450-002	160,76
450-002V *	24,64

* Empty Nylon Pouch

450

Nylon Pouch

7

Pcs

CrV

SAE



300 x 390 mm



• 1/4" x 5/16" • 5/16" x 3/8" • 3/8" x 7/16"
• 1/2" x 9/16" • 9/16" x 5/8" • 5/8" x 11/16"
• 11/16" x 3/4"

Part N°	€
450-003	66,23
450-003V *	21,53

* Empty Nylon Pouch

450

Nylon Pouch

11

Pcs

CrV

SAE



620 x 350 mm



• 1/4" x 5/16" • 5/16" x 3/8" • 3/8" x 7/16"
• 1/2" x 9/16" • 9/16" x 5/8" • 5/8" x 11/16"
• 11/16" x 3/4" • 13/16" x 7/8" • 15/16" x 1"
• 1" x 1.1/8" • 1.1/16" x 1.1/4"

Part N°	€
450-004	148,04
450-004V *	24,64

* Empty Nylon Pouch

Wrenches

Double Open Ended Wrench Sets



450

Plastic Holder

6
Pcs

CrV



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

Part N°	€
450-016	54,74
450-011V *	15,76

* Empty Plastic Holder

8
Pcs

CrV



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

Part N°	€
450-018	80,45
450-013V *	18,36

* Empty Plastic Holder

450

Plastic Holder

10
Pcs

CrV



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

Part N°	€
450-020	113,53
450-015V *	23,62

* Empty Plastic Holder

12
Pcs

CrV



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x27 • 25x28 • 27x29

Part N°	€
450-022	158,29
450-017V *	24,94

* Empty Plastic Holder

12
Pcs

CrV



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 30x32

Part N°	€
450-024	161,52
450-017V *	24,94

* Empty Plastic Holder

450

Carton Box

5

Pcs

CrV



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15

Part N°	€
450-035	44,50

450

Carton Box

6

Pcs

CrV



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

Part N°	€
450-036	54,74

450

Carton Box

8

Pcs

CrV



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

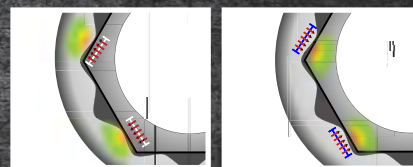
Part N°	€
450-038	80,45

Wrenches

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:



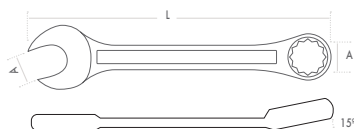
• On the wrench

• On the nut

451

Combination Wrench

CrV



SAE

A"	L mm	Part N°	€
7/32"	100	451-7/32	7,06
1/4"	100	451-1/4	7,08
9/32"	110	451-9/32	7,12
5/16"	120	451-5/16	7,31
11/32"	130	451-11/32	7,37
3/8"	140	451-3/8	8,62
7/16"	150	451-7/16	9,53
1/2"	170	451-1/2	10,71
9/16"	180	451-9/16	10,94
5/8"	200	451-5/8	12,13
11/16"	210	451-11/16	13,07
3/4"	230	451-3/4	15,48
13/16"	250	451-13/16	17,89
7/8"	260	451-7/8	18,25
15/16"	280	451-15/16	19,96
1"	290	451-1	21,78
1.1/16"	310	451-1.1/16	28,59
1.1/8"	330	451-1.1/8	30,36
1.1/4"	360	451-1.1/4	36,20
1.5/16"	380	451-1.5/16	43,83
1.3/8"	410	451-1.3/8	61,59
1.7/16"	410	451-1.7/16	61,70
1.1/2"	410	451-1.1/2	64,74
1.5/8"	460	451-1.5/8	78,22
1.11/16"	460	451-1.11/16	98,27
1.3/4"	500	451-1.3/4	100,51
1.13/16"	500	451-1.13/16	101,99
1.7/8"	540	451-1.7/8	115,33
2"	540	451-2	116,88
2.1/8"	560	451-2.1/8	202,63
2.1/4"	600	451-2.1/4	206,57
2.3/8"	600	451-2.3/8	284,21
2.1/2"	680	451-2.1/2	352,22
2.5/8"	680	451-2.5/8	359,06
2.3/4"	680	451-2.3/4	374,63
2.7/8"	730	451-2.7/8	454,69
3"	730	451-3	467,94

A mm	L mm	Part N°	€
4	80	451-04	9,48
5,5	100	451-05,5	6,75
6	100	451-06	6,80
7	110	451-07	6,83
8	120	451-08	6,99
9	130	451-09	8,31
10	140	451-10	8,38
11	150	451-11	9,45
12	160	451-12	9,77
13	170	451-13	10,19
14	180	451-14	10,76
15	190	451-15	11,09
16	200	451-16	11,62
17	210	451-17	12,42
18	220	451-18	13,11
19	230	451-19	14,95
20	240	451-20	15,46
21	250	451-21	17,48
22	260	451-22	17,56
23	270	451-23	18,93
24	280	451-24	19,28
25	290	451-25	21,42
26	300	451-26	25,57
27	310	451-27	27,19
28	320	451-28	30,13
29	330	451-29	30,60
30	340	451-30	33,32
32	360	451-32	36,21
33	380	451-33	40,79
34	380	451-34	43,96
35	410	451-35	57,53
36	410	451-36	60,60
38	430	451-38	69,94
41	460	451-41	72,87
43	460	451-43	93,65
46	500	451-46	99,28
48	540	451-48	138,34
50	540	451-50	110,90
55	560	451-55	192,50
58	600	451-58	291,39
60	600	451-60	254,97
65	680	451-65	339,86
70	680	451-70	399,92
75	730	451-75	514,69
80	730	451-80	589,79
85	790	451-85	798,12
90	790	451-90	822,38
95	790	451-95	848,53
100	860	451-100	870,81
105	860	451-105	1.202,60

451

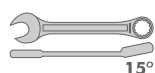
Nylon Pouch

14
Pcs

CrV



470 x 390 mm



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

Part N°	€
451-001	177,80
451-001V *	20,31

* Empty Nylon Pouch

451

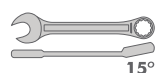
Nylon Pouch

14
Pcs

CrV



650 x 440 mm



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

Part N°	€
451-002	233,28
451-002V *	23,71

* Empty Nylon Pouch

451

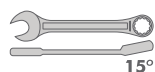
Nylon Pouch

17
Pcs

CrV



470 x 450 mm



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

Part N°	€
451-003	201,42
451-003V *	20,31

* Empty Nylon Pouch

451

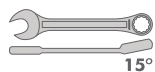
Nylon Pouch

18
Pcs

CrV



650 x 480 mm



• 8 • 9 • 10 • 11 • 12 • 13 • 14 • 15 • 16
• 18 • 19 • 22 • 23 • 24 • 26 • 27 • 30 • 32

Part N°	€
451-004	302,93
451-004V *	22,81

* Empty Nylon Pouch

Wrenches

Combination Wrenches Sets

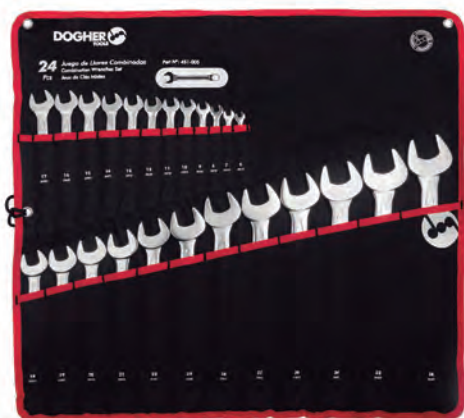


451

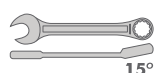
Nylon Pouch

24
Pcs

CrV



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

Part N°	€
451-005	433,72
451-005V *	27,61

* Empty Nylon Pouch

451

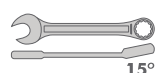
Nylon Pouch

26
Pcs

CrV



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

Part N°	€
451-006	444,07
451-006V *	27,61

* Empty Nylon Pouch

451

Nylon Pouch

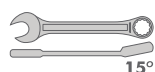
8
Pcs

SAE

CrV



330 x 300 mm



•1/4" •5/16" •3/8" •7/16" •1/2" •9/16"
•5/8" •11/16"

Part N°	€
451-007	85,64
451-007V *	18,53

* Empty Nylon Pouch

451

Nylon Pouch

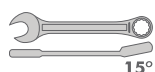
12
Pcs

SAE

CrV



550 x 350 mm



•3/8" •7/16" •1/2" •9/16" •5/8" •11/16"
•3/4" •13/16" •7/8" •15/16" •1" •1.1/16"

Part N°	€
451-008	194,20
451-008V *	23,18

* Empty Nylon Pouch

451

Nylon Pouch

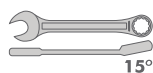
14
Pcs

SAE

CrV



650 x 440 mm



• 3/8" • 7/16" • 1/2" • 9/16" • 5/8"
• 11/16" • 3/4" • 13/16" • 7/8" • 15/16"
• 1" • 1.1/16" • 1.1/8" • 1.1/4"

Part N°	€
451-009	261,76
451-009V *	23,71

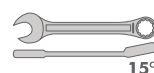
* Empty Nylon Pouch

451

Carton Box

5
Pcs

CrV



• 8 • 10 • 11 • 12 • 13

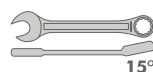
Part N°	€
451-035	53,03

451

Carton Box

6
Pcs

CrV



• 8 • 10 • 11 • 12 • 13 • 14

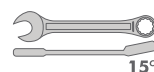
Part N°	€
451-036	63,79

451

Carton Box

8
Pcs

CrV



• 8 • 10 • 11 • 12 • 13 • 14 • 17 • 19

Part N°	€
451-038	91,16

Wrenches

Combination Wrenches Sets

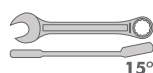


451

Plastic Holder

5
Pcs

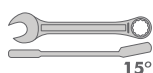
CrV



8 • 10 • 13 • 17 • 19

6
Pcs

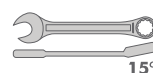
CrV



8 • 10 • 11 • 13 • 17 • 19

6
Pcs

CrV



8 • 10 • 11 • 12 • 13 • 14

Part N°	€
451-014	61,18
450-011V *	15,76

* Empty Plastic Holder

Part N°	€
451-015	70,63
450-011V *	15,76

* Empty Plastic Holder

Part N°	€
451-016	63,79
450-011V *	15,76

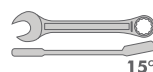
* Empty Plastic Holder

451

Plastic Holder

8
Pcs

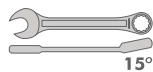
CrV



8 • 10 • 11 • 12 • 13 • 14 • 17 • 19

10
Pcs

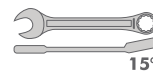
CrV



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

12
Pcs

CrV



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

Part N°	€
451-018	91,16
450-013V *	18,36

* Empty Plastic Holder

Part N°	€
451-020	107,23
450-015V *	23,62

* Empty Plastic Holder

Part N°	€
451-022	135,29
450-017V *	24,94

* Empty Plastic Holder

4551

Combination Wrench Long Series



A mm	L mm	Part N°	€
7	136	4551-07	9,80
8	148	4551-08	9,99
9	167	4551-09	9,99
10	172	4551-10	11,03
11	186	4551-11	11,03
12	197	4551-12	12,63
13	207	4551-13	12,63
15	233	4551-15	15,25
17	261	4551-17	17,24
19	280	4551-19	21,84
21	301	4551-21	21,84
24	338	4551-24	27,94
27	375	4551-27	36,25
32	435	4551-32	43,87

4561

Twisted Combination Wrench



A mm	L mm	Part N°	€
6	110	4561-06	9,77
7	120	4561-07	9,77
8	130	4561-08	9,97
9	140	4561-09	9,97
10	150	4561-10	11,00
11	160	4561-11	11,00
12	170	4561-12	12,59
13	180	4561-13	12,59
14	190	4561-14	15,19
15	200	4561-15	15,19
16	210	4561-16	16,68
17	220	4561-17	17,19
18	230	4561-18	17,30
19	240	4561-19	21,77

Wrenches

Combination Wrenches



4510

Offset Combination Wrench

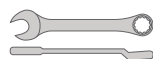


A mm	L mm	Part N°	€
6	110	4510-06	9,71
7	120	4510-07	9,80
8	130	4510-08	9,95
9	140	4510-09	10,42
10	150	4510-10	10,47
11	160	4510-11	11,22
12	170	4510-12	11,87
13	180	4510-13	12,87
14	190	4510-14	12,97
15	200	4510-15	15,36
16	210	4510-16	16,61
17	220	4510-17	17,17
18	230	4510-18	19,19
19	240	4510-19	20,12
20	250	4510-20	21,33
21	260	4510-21	22,16
22	270	4510-22	24,83
23	280	4510-23	26,83
24	290	4510-24	28,02
25	300	4510-25	29,94
26	310	4510-26	30,21
27	320	4510-27	32,21
28	330	4510-28	36,73
29	340	4510-29	39,21
30	350	4510-30	41,16
32	370	4510-32	43,04

4510

Plastic Holder

5
Pcs



8 • 10 • 13 • 17 • 19

Part N°	€
4510-014	78,83
450-011V *	15,76

* Empty Plastic Holder

4510

Plastic Holder

6
Pcs



8 • 10 • 12 • 13 • 14 • 17

Part N°	€
4510-016	83,55
450-011V *	15,76

* Empty Plastic Holder

4510

Plastic Holder

12
Pcs



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

Part N°	€
4510-022	176,47
450-017V *	24,94

* Empty Plastic Holder

454

Double Ring Flat Wrench

CrV



mm	mm	L mm	Part N°	€
6	7	120	454-06-07	10,42
8	9	135	454-08-09	10,79
10	11	150	454-10-11	11,98
12	13	165	454-12-13	13,07
13	17	210	454-13-17	13,91
14	15	185	454-14-15	14,36
16	17	210	454-16-17	15,42
17	19	225	454-17-19	16,02
18	19	225	454-18-19	16,02
20	22	240	454-20-22	18,54
21	23	255	454-21-23	21,29
24	26	270	454-24-26	25,17
24	27	270	454-24-27	25,17
25	28	285	454-25-28	26,85
27	29	315	454-27-29	32,39
30	32	335	454-30-32	34,07

Wrenches

Double Ring Flat Wrenches Sets



454

Plastic Holder

6
Pcs

CrV



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

Part N°	€
454-016	84,29
450-011V *	15,76

* Empty Plastic Holder

454

Plastic Holder

8
Pcs

CrV



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

Part N°	€
454-018	118,85
450-013V *	18,36

* Empty Plastic Holder

454

Plastic Holder

10
Pcs

CrV



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

Part N°	€
454-020	165,31
450-015V *	23,62

* Empty Plastic Holder

454

Plastic Holder

12
Pcs

CrV



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17 • 18x19
• 20x22 • 21x23 • 24x27 • 25x28 • 27x29

Part N°	€
454-022	224,55
450-017V *	24,94

* Empty Plastic Holder

454

Nylon Pouch

8
Pcs

CrV



390 x 380 mm



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

Part N°	€
454-001	116,85
454-001V *	20,57

* Empty Nylon Pouch

454

Nylon Pouch

10
Pcs

CrV



620 x 480 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x26

Part N°	€
454-002	163,31
454-002V *	22,91

* Empty Nylon Pouch

454

Nylon Pouch

12
Pcs

CrV



620 x 480 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 30x32

Part N°	€
454-003	226,23
454-003V *	23,84

* Empty Nylon Pouch

Wrenches

Double Ring Flat Wrenches



4554

Double Ring Flat Wrench Long Serie

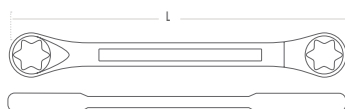


A mm	L mm	Part N°	€
8 x 10	235	4554-08-10	33,80
10 x 12	290	4554-10-12	37,46
12 x 14	328	4554-12-14	41,13
13 x 15	328	4554-13-15	47,44
13 x 17	390	4554-13-17	48,52
16 x 18	404	4554-16-18	50,47
17 x 19	404	4554-17-19	52,33
22 x 24	435	4554-22-24	67,60

477

Double E Socket Wrench

CrV



		L mm	Part N°	€
E6	E8	130	477-E6-E8	12,89
E10	E12	144	477-E10-E12	14,20
E14	E18	180	477-E14-E18	16,72
E20	E24	220	477-E20-E24	19,59

453

Double Ring Offset Wrench

CrV



mm	mm	L mm	Part N°	€
6	7	170	453-06-07	11,90
8	9	183	453-08-09	13,01
8	10	183	453-08-10	13,75
10	11	197	453-10-11	13,83
10	12	198	453-10-12	15,19
12	13	212	453-12-13	15,21
12	14	214	453-12-14	17,15
13	15	222	453-13-15	19,68
13	17	242	453-13-17	19,30
14	15	230	453-14-15	16,00
16	17	245	453-16-17	19,07
17	19	270	453-17-19	22,08
18	19	275	453-18-19	22,13
19	22	315	453-19-22	25,93
20	22	318	453-20-22	26,17
21	23	327	453-21-23	28,70
22	24	327	453-22-24	30,51
24	26	340	453-24-26	35,54
24	27	340	453-24-27	35,84
25	28	347	453-25-28	41,38
27	29	351	453-27-29	43,45
27	30	351	453-27-30	45,90
30	32	365	453-30-32	50,44
32	36	415	453-32-36	75,88
36	41	450	453-36-41	89,96
41	46	506	453-41-46	119,15
46	50	526	453-46-50	146,95

SAE

		L mm	Part N°	€
1/4"	5/16"	170	453-1/4-5/16	12,18
5/16"	3/8"	183	453-5/16-3/8	12,63
3/8"	7/16"	197	453-3/8-7/16	13,59
7/16"	1/2"	212	453-7/16-1/2	14,67
1/2"	9/16"	222	453-1/2-9/16	14,78
9/16"	5/8"	245	453-9/16-5/8	16,22
5/8"	11/16"	246	453-5/8-11/16	18,43
11/16"	3/4"	275	453-11/16-3/4	24,27
13/16"	7/8"	318	453-13/16-7/8	24,68
7/8"	15/16"	327	453-7/8-15/16	32,50
15/16"	1"	340	453-15/16-1	34,22
1"	1.1/8"	347	453-1-1.1/8	40,22
1.1/16"	1.1/4	365	453-1.1/16-1.1/4	43,75
1.1/8"	1.1/4	370	453-1.1/8-1.1/4	52,31

Wrenches

Double Ring Offset Wrenches Sets



453

Nylon Pouch

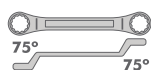
6

Pcs

CrV



350 x 330 mm



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

Part N°	€
453-001	95,27
453-001V *	20,93

* Empty Nylon Pouch

453

Nylon Pouch

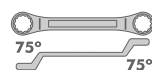
8

Pcs

CrV



390 x 380 mm



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

Part N°	€
453-002	143,57
453-002V *	22,31

* Empty Nylon Pouch

453

Nylon Pouch

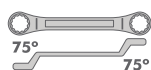
12

Pcs

CrV



620 x 480 mm



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

Part N°	€
453-003	299,93
453-003V *	25,87

* Empty Nylon Pouch

453

Nylon Pouch

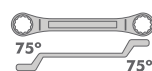
14

Pcs

CrV



620 x 600 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15
• 16x17 • 18x19 • 20x22 • 21x23 • 24x26
• 25x28 • 30x32 • 32x36 • 36x41

Part N°	€
453-004	469,22
453-004V *	27,25

* Empty Nylon Pouch

453

Nylon Pouch

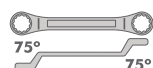
7
Pcs

SAE

CrV



390 x 380 mm



- 1/4" x 5/16"
- 5/16" x 3/8"
- 3/8" x 7/16"
- 7/16" x 1/2"
- 1/2" x 9/16"
- 5/8" x 11/16"
- 11/16" x 3/4"

Part N°	€
453-005	116,80
453-005V *	22,11

* Empty Nylon Pouch

453

Nylon Pouch

10
Pcs

SAE

CrV



620 x 480 mm



- 1/4" x 5/16"
- 5/16" x 3/8"
- 3/8" x 7/16"
- 7/16" x 1/2"
- 1/2" x 9/16"
- 9/16" x 5/8"
- 5/8" x 11/16"
- 13/16" x 7/8"
- 15/16" x 1"
- 1.1/16" x 1.1/4"

Part N°	€
453-006	211,40
453-006V *	25,53

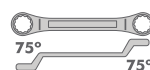
* Empty Nylon Pouch

453

Carton Box

8
Pcs

CrV



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

Part N°	€
453-018	145,57

Wrenches

Double Ring Offset Wrenches Sets

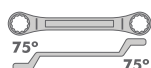


453

Plastic Holder

6
Pcs

CrV



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

Part N°	€
453-016	107,50
450-011V *	15,76

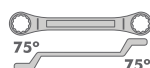
* Empty Plastic Holder

453

Plastic Holder

6
Pcs

CrV



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

Part N°	€
453-016-2	97,27
450-011V *	15,76

* Empty Plastic Holder

Half Moon Wrenches

473

Half Moon Wrench

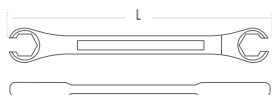
CrV



mm	mm	L mm	Part N°	€
11	13	149	473-11-13	13,01
14	17	170	473-14-17	14,67
15	16	170	473-15-16	14,71
15	17	170	473-15-17	14,71
19	22	227	473-19-22	18,82

483

Flare Nut Wrench



mm	L mm	Part N°	€
8 x 10	131	483-08-10	14,54
9 x 11	151	483-09-11	14,66
10 x 11	152	483-10-11	15,25
10 x 12	152	483-10-12	15,82
12 x 13	168	483-12-13	16,28
12 x 14	177	483-12-14	17,09
14 x 15	177	483-14-15	17,09
14 x 17	194	483-14-17	17,09
17 x 19	214	483-17-19	23,34
19 x 22	235	483-19-22	23,34
22 x 24	255	483-22-24	26,74
24 x 27	273	483-24-27	33,79
30 x 32	292	483-30-32	41,83

485

Flare Nut Gear Wrench



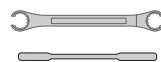
mm	L mm	A mm	B mm	Part N°	€
10	156	32	7	485-10	29,58
11	156	32	7	485-11	29,58
12	156	32	7	485-12	29,58
13	156	32	7	485-13	29,58
14	156	32	7	485-14	29,58
17	210	35	8	485-17	36,03
19	210	37	8	485-19	36,03
22	220	41	11	485-22	39,67
24	220	41	11	485-24	43,40
27	318	49	13	485-27	61,55
32	320	54	17,8	485-32	67,65

483

Plastic Holder

6
Pcs

CrV



•8x10 •9x11 •12x13 •14x15 •17x19 •19x22

Part N°	€
483-016	117,50
450-011V *	15,76

* Empty Plastic Holder

Gear Wrenches

Combination Gear Wrenches

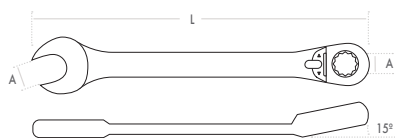


457

Combination Reversible Gear Wrench

CrV

72° 15°



SAE

A mm	L mm	Part N°	€
6	120	457-06	27,27
7	120	457-07	27,27
8	134	457-08	27,27
9	158	457-09	28,35
10	158	457-10	30,20
11	164	457-11	31,82
12	167	457-12	32,92
13	177	457-13	35,09
14	189	457-14	36,16
15	198	457-15	37,64
16	204	457-16	38,99
17	224	457-17	41,02
18	245	457-18	43,01
19	245	457-19	43,85
20	280	457-20	51,85
21	280	457-21	45,58
22	280	457-22	48,43
23	320	457-23	62,58
24	310	457-24	53,50
25	320	457-25	72,90
26	320	457-26	78,48
27	330	457-27	62,10
28	355	457-28	100,06
29	355	457-29	101,48
30	425	457-30	82,75
31	425	457-31	114,35
32	425	457-32	89,12
33	425	457-33	120,08
36	445	457-36	207,44

A "	L mm	Part N°	€
1/4	125	457-1/4	27,46
5/16	135	457-5/16	27,74
11/32	150	457-11/32	27,92
3/8	150	457-3/8	28,70
7/16	160	457-7/16	31,67
1/2	175	457-1/2	35,28
9/16	185	457-9/16	36,65
5/8	200	457-5/8	40,57
11/16	220	457-11/16	43,15
3/4	235	457-3/4	46,87
7/8	270	457-7/8	51,55
15/16	310	457-15/16	62,01

457

Carton Box



10 • 12 • 13 • 14 • 15

5
Pcs

Part N°	€
457-035	180,26

10 • 12 • 13 • 14 • 15 • 17

6
Pcs

Part N°	€
457-036	221,28

10 • 11 • 13 • 14 • 15 • 17

6
Pcs

Part N°	€
457-046	220,18

8 • 10 • 12 • 13 • 14 • 15 • 17 • 19

8
Pcs

Part N°	€
457-038	292,40

457

Nylon Pouch

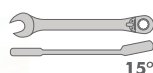
7
Pcs

CrV

72° 15°



330 x 390 mm



10 • 12 • 13 • 14 • 15 • 17 • 19

Part N°	€
457-001	263,13
457-001V *	19,66

* Empty Nylon Pouch

457

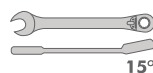
Plastic Holder

5

Pcs

CrV

72° 5°



10 • 12 • 13 • 14 • 15

Part N°	€
457-015	180,26
450-011V *	15,76

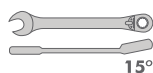
* Empty Plastic Holder

5

Pcs

CrV

72° 5°



8 • 10 • 13 • 17 • 19

Part N°	€
457-014	185,68
450-011V *	15,76

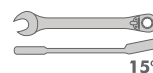
* Empty Plastic Holder

6

Pcs

CrV

72° 5°



8 • 10 • 12 • 13 • 14 • 17

Part N°	€
457-016	210,91
450-011V *	15,76

* Empty Plastic Holder

457

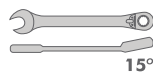
Plastic Holder

7

Pcs

CrV

72° 5°



10 • 12 • 13 • 14 • 15 • 17 • 19

Part N°	€
457-017	265,13
455-012V *	15,06

* Empty Plastic Holder

8

Pcs

CrV

72° 5°



8 • 10 • 11 • 12 • 13 • 14 • 17 • 19

Part N°	€
457-018	286,58

SAE

5/16 • 3/8 • 7/16 • 1/2 • 9/16 • 5/8 • 11/16 • 3/4

Part N°	€
457-028	298,88
450-013V *	18,36

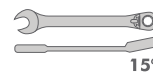
* Empty Plastic Holder

12

Pcs

CrV

72° 5°



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

Part N°	€
457-020	434,57
450-017V *	24,94

* Empty Plastic Holder

Gear Wrenches

Non Reversible Combination Gear Wrenches



4557

Non Reversible Combination Gear Wrench



SAE

mm	L mm	Part N°	€
6	130	4557-06	20,97
7	130	4557-07	20,97
8	140	4557-08	16,38
9	150	4557-09	16,38
10	160	4557-10	17,96
11	165	4557-11	19,66
12	172	4557-12	20,76
13	177	4557-13	22,13
14	191	4557-14	23,09
15	199	4557-15	25,03
16	209	4557-16	26,94
17	225	4557-17	28,24
18	237	4557-18	30,74
19	248	4557-19	31,01
20	248	4557-20	36,02
21	289	4557-21	41,04
22	289	4557-22	44,27
24	320	4557-24	49,59
27	364	4557-27	59,42
30	423	4557-30	76,58
32	423	4557-32	78,77

"	L mm	Part N°	€
5/16	135	4557-5/16	16,38
3/8	150	4557-3/8	16,38
7/16	165	4557-7/16	19,66
1/2	175	4557-1/2	20,76
9/16	190	4557-9/16	22,13
5/8	205	4557-5/8	26,94
11/16	220	4557-11/16	28,24
3/4	240	4557-3/4	31,01

4557

Plastic Holders

6

Pcs

CrV



• 8 • 10 • 11 • 12 • 13 • 17

Part N°	€
4557-016	133,38
450-011V *	15,76

* Empty Plastic Holder

4557

Plastic Holders

8

Pcs

CrV



• 8 • 10 • 11 • 12 • 13 • 14 • 17 • 19

Part N°	€
4557-018	187,48
450-013V *	18,36

* Empty Plastic Holder

4557

Plastic Holders

10

Pcs

CrV



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

Part N°	€
4557-020	224,82
450-015V *	23,62

* Empty Plastic Holder

4557

Plastic Holders

12

Pcs

CrV



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

Part N°	€
4557-022	286,57
450-017V *	24,94

* Empty Plastic Holder

Gear Wrenches

Combination Gear Wrenches

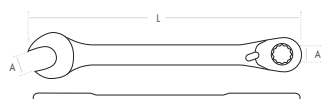
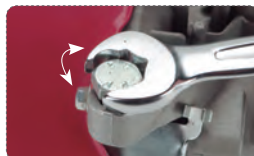
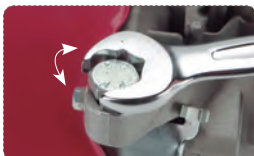


4577

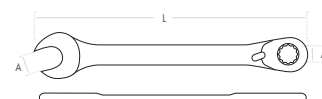
Combination Reversible Gear Wrenches
DUOFIX SYSTEM

4657

Combination Reversible Gear Wrenches
STOPRING



A mm	L mm	Part N°	€
8	140	4577-08	28,63
9	150	4577-09	29,77
10	157	4577-10	31,71
11	163	4577-11	33,41
12	170	4577-12	34,57
13	175	4577-13	36,84
14	190	4577-14	37,97
15	195	4577-15	39,52
16	205	4577-16	40,94
17	224	4577-17	43,07
18	235	4577-18	45,16
19	245	4577-19	46,04



A mm	L mm	Part N°	€
6	140	4657-06	31,36
7	145	4657-07	31,36
8	145	4657-08	31,36
9	150	4657-09	32,60
10	158	4657-10	34,73
11	164	4657-11	36,59
12	170	4657-12	37,86
13	175	4657-13	40,35
14	190	4657-14	41,58
15	198	4657-15	43,29
16	205	4657-16	44,84
17	222	4657-17	47,17
18	235	4657-18	49,46
19	245	4657-19	50,43

4657

Plastic Holder

5

Pcs



8 • 10 • 13 • 17 • 19

Part N°	€
4657-014	212,29

8

Pcs



8 • 10 • 11 • 12 • 13 • 14 • 17 • 19

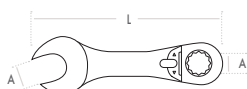
Part N°	€
4657-018	328,33

459

Stubby Combination Gear Wrench

CrV

72° 5°



A mm	L mm	Part N°	€
8	93	459-08	19,63
10	95	459-10	22,10
13	106	459-13	24,38
17	125	459-17	29,65
19	138	459-19	32,45

Stubby Combination Gear Wrench Sets

459

Plastic Holder

5

Pcs

CrV

72° 5°



• 8 • 10 • 13 • 17 • 19

Part N°	€
459-015	136,46
459-010V *	20,06

* Empty Plastic Holder

Gear Wrenches

4 in 1 Gear Wrenches

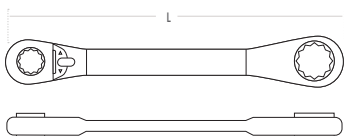


475

4 in 1 Gear Wrench

CrV

72^{5°}



mm	mm	L mm	Part N°	€
8x10	12x13	165	475-08-13	31,94
9x11	14x15	180	475-09-15	37,36
10x13	17x19	204	475-10-19	42,27
13x15	17x19	225	475-13-19	39,63
16x17	18x19	225	475-16-19	42,27

4 in 1 Gear Wrench Sets

475

Nylon Pouch

3

Pcs

CrV

72^{5°}



220 x 330 mm



- 8x10 12x13
- 9x11 14x15
- 16x17 18x19

Part N°	€
475-001	121,82
475-001V *	14,94

* Empty Nylon Pouch

458

Flexible Gear Wrench

CrV

72° 15°



A mm	L mm	Part N°	€
6	136	458-06	25,20
7	136	458-07	25,39
8	136	458-08	25,36
9	150	458-09	26,86
10	158	458-10	27,97
11	175	458-11	29,44
12	175	458-12	31,81
13	185	458-13	32,26
14	193	458-14	34,14
15	215	458-15	35,87
16	215	458-16	36,29
17	231	458-17	38,74
18	249	458-18	39,77
19	249	458-19	42,51
20	280	458-20	49,40
21	280	458-21	50,17
22	280	458-22	55,30
24	310	458-24	63,07

Gear Wrenches

Flexible Gear Wrench Sets



458

Plastic Holder

5

Pcs

CrV

72^{5°}



8 • 10 • 13 • 17 • 19

Part N°	€
458-015	175,09
450-011V *	15,76

* Empty Plastic Holder

458

Plastic Holder

8

Pcs

CrV

72^{5°}



8 • 10 • 11 • 12 • 13 • 14 • 17 • 19

Part N°	€
458-018	270,48
450-013V *	18,36

* Empty Plastic Holder

458

Carton Box

5

Pcs

CrV

72^{5°}



8 • 10 • 13 • 17 • 19

Part N°	€
458-035	175,09

6

Pcs

CrV

72^{5°}



10 • 12 • 13 • 14 • 15 • 17

Part N°	€
458-036	209,04

8

Pcs

CrV

72^{5°}



8 • 10 • 12 • 13 • 14 • 15 • 17 • 19

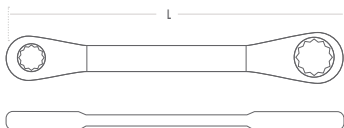
Part N°	€
458-038	276,91

456

Double Box Flat Gear Wrench

CrV

72° (5°)



mm	mm	L mm	Part N°	€
6	7	115	456-06-07	22,86
7	8	115	456-07-08	22,86
8	9	130	456-08-09	22,86
10	11	145	456-10-11	25,34
12	13	166	456-12-13	32,02
13	17	181	456-13-17	32,21
14	15	181	456-14-15	33,28
16	18	205	456-16-18	36,00
17	19	225	456-17-19	37,00
20	22	255	456-20-22	60,68

Double Box Flat Gear Wrench Sets

456

Plastic Holder

5

Pcs

CrV

72° (5°)



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15

Part N°	€
456-015	144,61
450-011V *	15,76

* Empty Plastic Holder

456

Carton Box

5

Pcs

CrV

72° (5°)



• 8x9 • 10x11 • 12x13 • 14x15 • 16x18

Part N°	€
456-035	157,75



456

Carton Box

6

Pcs

CrV

72° (5°)



• 8x9 • 10x11 • 12x13 • 14x15 • 16x18 • 17x19

Part N°	€
456-036	194,75



Gear Wrenches

Double E Socket Gear Wrenches

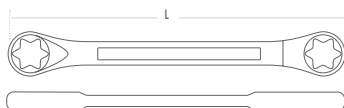


474

Double E Socket Gear Wrench

CrV

72°^{5°}



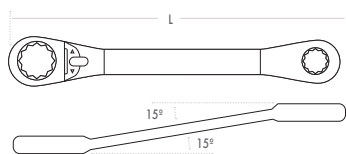
		L mm	Part N°	€
E6	E8	130	474-E6-E8	28,42
E10	E12	144	474-E10-E12	29,73
E14	E18	180	474-E14-E18	36,74
E20	E24	220	474-E20-E24	44,03

455

Double Box 15° Gear Wrench

CrV

72^h 5°



mm	mm	L mm	Part N°	€
6	7	115	455-06-07	37,16
8	9	130	455-08-09	37,16
8	10	130	455-08-10	37,16
10	11	145	455-10-11	39,35
10	12	145	455-10-12	39,35
10	13	145	455-10-13	42,16
12	13	166	455-12-13	43,44
12	14	166	455-12-14	43,44
14	15	180	455-14-15	43,92
14	17	180	455-14-17	48,32
16	17	205	455-16-17	48,32
16	18	205	455-16-18	48,32
17	19	225	455-17-19	50,26

SAE

		L mm	Part N°	€
1/4"	5/16"	115	455-1/4-5/16	35,42
3/8"	7/16"	145	455-3/8-7/16	38,04
1/2"	9/16"	166	455-1/2-9/16	42,24

455

Nylon Pouch

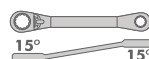
6

Pcs

CrV

72^h 5°

300 x 390 mm



• 8x9 • 10x11 • 12x13 • 14x15 • 16x18 • 17x19

Part N°	€
455-001	268,70
455-001V *	20,02

* Empty Nylon Pouch

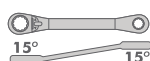
455

Carton Box

5
Pcs

CrV

72^h 5°



• 8x9 • 10x11 • 12x13 • 14x15 • 16x18

Part N°	€
455-035	220,44

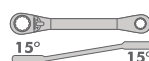
455

Carton Box

6
Pcs

CrV

72^h 5°



• 8x9 • 10x11 • 12x13 • 14x15 • 16x18 • 17x19

Part N°	€
455-036	270,70

Gear Wrenches

Double Box 15° Gear Wrench Sets



455

Plastic Holder

5
Pcs

CrV



• 8x9 • 10x11 • 12x13 • 14x15 • 16x18

Part N°	€
455-015	220,44
450-011V *	15,76

* Empty Plastic Holder

455

Plastic Holder

7
Pcs

CrV



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x18 • 17x19

Part N°	€
455-017	307,86
455-012V *	15,06

* Empty Plastic Holder

Accessories for Gear Wrenches

476

Square Drive

CrV



□	□ mm	Part N°	€
1/4"	10	476-1/4-10	8,16
3/8"	13	476-3/8-13	9,07
1/2"	19	476-1/2-19	10,60
3/4"	32	476-3/4-32	21,16

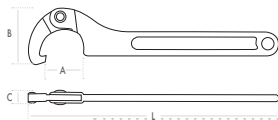
476

Bit Holder

CrV



□	□ mm	Part N°	€
1/4"	10	476-1/4P-10	3,07
5/16"	13	476-5/16P-13	5,13
10 mm	19	476-10P-19	6,23



Wrenches

Hook Wrenches

471
Fixed Hook Wrench
CrV


 mm	L mm	Part N°	€
13~35	168	471-13-35	38,40
35~50	202	471-35-50	41,81
50~80	280	471-50-80	57,37
80~120	345	471-80-120	74,34
120~180	492	471-120-180	102,25

472
Pin Hook Wrench
CrV


 mm	L mm	Part N°	€
13~35	168	472-13-35	40,32
35~50	202	472-35-50	44,58
50~80	280	472-50-80	58,08
80~120	345	472-80-120	77,95
120~180	492	472-120-180	104,33

472
Spare Pin

 mm	Ø mm	Part N°	€
13~35	3	472-0	3,45
35~50	4	472-1	4,55
50~80	5	472-2	6,41
80~120	6	472-3	8,16
120~180	8	472-4	10,67

CrV

471
Fixed Hook Wrench
CrV


mm	L Handle	Part N°	€
120~325	600	471-120-325	473,67

472
Adjustable Hook Wrenches Set


 mm	Part N°	€
20~100	472-001	161,53

* Contains 8 pins, 4 pairs

472
Spare Interchangeable Wrench and Pins
Wrench

L	mm	Part N°	€
250	20~100	472-001R	88,95

Double sided pins

A	B	Part N°	€
2,5	4	472-025-040	15,71
3	5	472-030-050	16,16
6	8	472-060-080	16,44
7	9	472-070-090	16,59



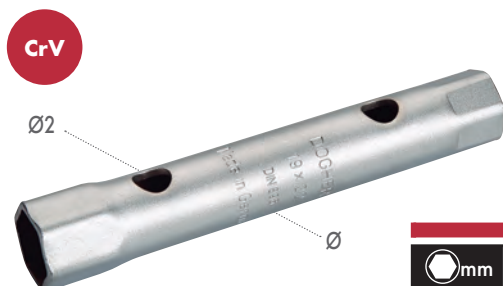
Wrenches

Tubular Socket Wrenches



461

Double Ended Tubular Socket Wrench



Bar

mm	mm	L mm	Ø mm	Ø2 mm	Part N°	€	L mm	Ø mm	Part N°	€
6	7	110	12	7	461-06-07	7,07	131,5	6,5	460-04	5,48
8	9	110	14	7	461-08-09	7,79				
8	10	120	13	6	461-08-10	8,44	131,5	5,5	460-03	3,92
9	10	120	13	6	461-09-10	8,78				
10	11	130	17	8	461-10-11	9,07	131,5	7,5	460-05	6,89
10	13	140	15	8	461-10-13	9,37				
11	13	140	15	8	461-11-13	9,61				
12	13	140	17	8	461-12-13	9,80				
12	14	143	17	8	461-12-14	10,22				
13	14	144	17	8	461-13-14	10,46				
13	15	142	17	8	461-13-15	10,58	131,5	9,5	460-06	8,29
13	17	149	20	10	461-13-17	10,61				
14	15	140	19	8	461-14-15	10,61	131,5	7,5	460-05	6,89
14	17	149	20	10	461-14-17	11,30	131,5	9,5	460-06	8,29
16	17	150	21	8	461-16-17	11,46	131,5	7,5	460-05	6,89
17	19	157	24	10	461-17-19	12,96	131,5	9,5	460-07	9,70
18	19	160	22	8	461-18-19	13,72	131,5	7,5	460-05	6,89
19	22	169	26	12	461-19-22	14,67	131,5	11,5	460-07	9,70
20	22	170	25,5	8	461-20-22	15,48	131,5	7,5	460-05	6,89
21	23	170	25,5	8	461-21-23	17,36				
22	24	184	33	14	461-22-24	18,33	131,5	12,5	460-08	12,20
24	26	190	32	8	461-24-26	18,77	131,5	7,5	460-05	6,89
24	27	183	30	14	461-24-27	20,28	131,5	12,5	460-08	12,20
25	28	190	32	8	461-25-28	21,74	131,5	7,5	460-05	6,89
27	29	195	32	8	461-27-29	23,96				
27	30	198	35	18	461-27-30	23,96	250	13,6	543-015	17,92
27	32	196	35	18	461-27-32	23,96	250	13,6	543-015	17,92
30	32	210	32	8	461-30-32	23,96	131,5	7,5	460-05	6,89
36	38	165	42,5	10	461-36-38	24,23	131,5	9,5	460-06	8,29
36	41	221	45	18	461-36-41	40,28	500	18	460-10	27,15
41	46	237	50	18	461-41-46	46,90				
46	50	238	54	18	461-46-50	69,34				
50	55	238	60	18	461-50-55	82,59				

• Additional Compatible Bars:

L mm	Ø mm	Part N°	€
115	7,5	509-015	8,56
200	11	524-015	13,21
250	13,6	543-015	17,92

461

Nylon Pouch

8

Pcs

CrV



380 x 400 mm



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

Part N°	€
461-001	91,25
461-001V *	21,16

* Empty Nylon Pouch

461

Nylon Pouch

12

Pcs

CrV



520 x 390 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 30x32

Part N°	€
461-002	177,08
461-002V *	23,23

* Empty Nylon Pouch

Wrenches

Hex Socket Wrenches & Spare Bar



460

Double Ended Hex Socket Wrench

CrV



mm	mm	L mm	mm	Part N°	€
6	7	105	8	460-06-07	15,43
8	9	110	8,6	460-08-09	15,64
10	11	120	11	460-10-11	16,55
12	13	140	13	460-12-13	19,43
14	15	145	14	460-14-15	21,75
16	17	155	16	460-16-17	25,34
18	19	165	18	460-18-19	29,78
20	22	170	20	460-20-22	33,02
21	23	185	21	460-21-23	36,73
24	26	190	24	460-24-26	41,51
25	28	205	25	460-25-28	47,64
27	29	210	27	460-27-29	54,41
30	32	210	30	460-30-32	61,14

460

Double Ended Hex Socket Wrench Bar



Ø mm	mm	mm	Part N°	€
2,5	6	7	460-01	2,35
4,5	8	9	460-02	3,61
5,5	10	11	460-03	3,92
6,5	12	13	460-04	5,48
7,5	14	15	460-05	6,89
9,5	16	17	460-06	8,29
11,5	18	19	460-07	9,70
12,5	20	22	460-08	12,20
	21	23		
	24	26		
	25	28		
	27	29		
	30	32		

460

Nylon Pouch

6
Pcs

CrV



330 x 350 mm



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

Part N°	€
460-001	120,39
460-001V *	18,74

* Empty Nylon Pouch

460

Nylon Pouch

8
Pcs

CrV



430 x 380 mm



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

Part N°	€
460-002	183,19
460-002V *	20,57

* Empty Nylon Pouch

460

Nylon Pouch

10
Pcs

CrV



480 x 380 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x26

Part N°	€
460-003	263,43
460-003V *	20,57

* Empty Nylon Pouch

460

Nylon Pouch

12
Pcs

CrV



520 x 390 mm



• 6x7 • 8x9 • 10x11 • 12x13 • 14x15 • 16x17
• 18x19 • 20x22 • 21x23 • 24x26 • 25x28 • 30x32

Part N°	€
460-004	373,21
460-004V *	22,61

* Empty Nylon Pouch

Wrenches

Angled Wrenches



462

6x6 Angled Open Socket Wrench

CrV



mm	L mm	Part N°	€
6	110	462-06	14,07
7	114	462-07	14,58
8	120	462-08	14,97
9	125	462-09	14,97
10	131	462-10	15,41
11	137	462-11	16,10
12	144	462-12	17,05
13	153	462-13	17,31
14	160	462-14	19,11
15	174	462-15	20,76
16	185	462-16	22,64
17	197	462-17	22,67
18	211	462-18	26,03
19	218	462-19	29,00
20	222	462-20	31,75
21	231	462-21	35,00
22	247	462-22	36,72
23	255	462-23	37,42
24	266	462-24	44,51
25	278	462-25	49,39
26	289	462-26	55,07
27	299	462-27	60,12
28	310	462-28	67,70
29	319	462-29	72,20
30	332	462-30	76,04
32	353	462-32	79,36

462

6x6 Angled Open Socket Wrench Set

5
Pcs

CrV



Part N°	€
462-010	95,66

462

6x6 Angled Open Socket Wrench Set

10
Pcs

CrV



Part N°	€
462-011	188,52

462

Nylon Pouch

6
Pcs

CrV



190 x 280 mm



Part N°	€
462-001	125,79
462-001V *	18,74

* Empty Nylon Pouch

462

Nylon Pouch

10
Pcs

CrV



Part N°	€
462-003	197,21
462-003V *	19,59

* Empty Nylon Pouch

Wrenches

Angled Wrenches



467

Double Flexible Socket Wrench

CrV



mm	mm	L mm	Part N°	€
6	7	195	467-06-07	20,24
8	9	195	467-08-09	20,24
10	11	210	467-10-11	20,84
12	13	225	467-12-13	24,77
14	15	245	467-14-15	27,81
16	17	260	467-16-17	31,86
18	19	275	467-18-19	37,03
20	22	300	467-20-22	46,68
21	23	300	467-21-23	48,71
24	27	325	467-24-27	53,92

465

"L" Type Handle

CrV

1/2"



mm	L mm	Part N°	€
1/2"	300	465-1/2-300	16,71

CrV

3/4"



mm	L mm	Part N°	€
3/4"	300	465-3/4-300	26,52
3/4"	450	465-3/4-450	35,40

467

Nylon Pouch

7
Pcs

CrV



330 x 390 mm



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

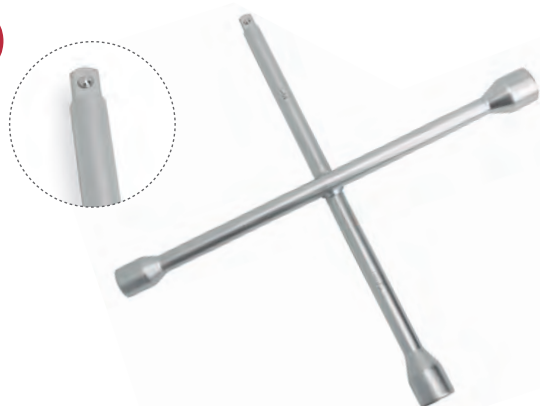
Part N°	€
467-001	215,48
467-001V *	20,76

* Empty Nylon Pouch

466

4 Way Lug Wrench

CrV



□	mm	L mm	Part N°	€
1/2"	17x19x22	375	466-1/2-375	32,17
3/4"	24x27x32	625	466-3/4-625	94,61

468

"T" Type Spark Plug
Flexible Socket Wrench

CrV



mm	L mm	Part N°	€
16	300	468-16-300	33,87
18	300	468-18-300	34,92
21	300	468-21-300	35,16

469

"T" Type Universal Flexible Socket Wrench

CrV



mm	L mm	Part N°	€
6	390	469-06-390	32,91
8	390	469-08-390	32,91
10	500	469-10-500	36,68
12	500	469-12-500	36,68
13	500	469-13-500	36,68
17	500	469-17-500	41,50
19	500	469-19-500	46,36

Wrenches

Universal Cabinet Keys



470

Universal Control Cabinet Key Water, Gas



- 6-8 mm
- PH2
- 7 mm
- 9 mm
- 9 mm
- Adapt. 1/4"

Part N°	€
470-001	24,07

• Made of Zinc die casting. For technical installations in buildings, e.g. air conditioning and ventilation systems, shut-off valves, main switch-board, etc.

EXP

12 Universal Control Cabinet Keys: Water, Gas

12
Pcs



470-001 (x12)

Part N°	€
470-001J	288,84

230 x 210 x 155 mm

470

Universal Control Cabinet Key Boilers, AC

- 6-8 mm
- PH2
- Adapt. 1/4"
- 10 mm
- 9 mm
- 7 mm



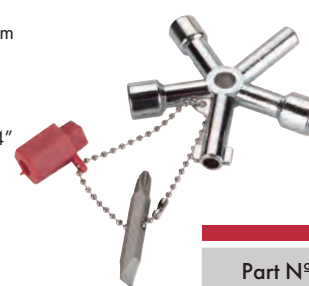
Part N°	€
470-002	24,50

• Made of Zinc die casting. For technical installations in buildings, e.g. air conditioning and ventilation systems, shut-off valves, main switch-board, etc. ...

470

Universal Control Cabinet Key

- 5-6-7÷8 mm
- PH2
- Adapt. 1/4"
- 3÷5 mm
- 7÷8 mm
- 7 mm

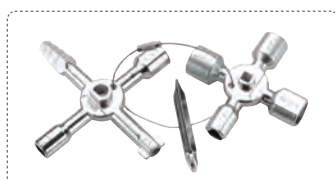
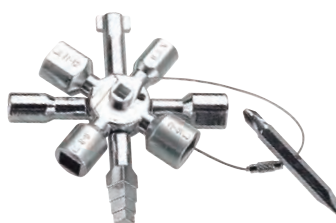


Part N°	€
470-004	26,07

• For technical installations in buildings, e.g., air conditioning and ventilation systems, shut-off valves, main switch-board, etc...

470

Multifunctional Cabinet Key



- 5 / 6-7 / 6-8 / 10-11 mm
- Adapt. 1/4"
- 7-8 / 9-10 / 11-12 mm
- 3/5 mm
- 6 mm
- PH2
- 7 mm
- 6-7-8-9 mm

Part N°	€
470-003	32,18

• The two parts are joined by magnet. The wire has a security thread opening system.

• Made of Zinc die casting. For technical installations in buildings, e.g. air conditioning and ventilation systems, shut-off valves, main switch-board, etc.

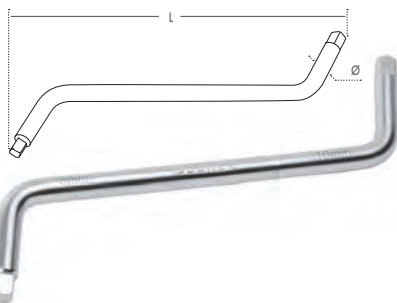
482

S-Type Oil Drain Plug Key Wrench

CrV

8 mm

10 mm



mm	mm	L mm	Ø mm	Part N°	€
8	10	255	12	482-001	12,68

• For oil crank and gear box plugs in Citroën, Peugeot, Renault, Volvo...

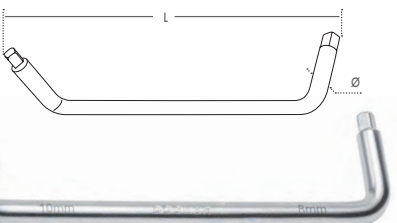
482

S-Type Heavy Duty Oil Drain Plug Key Wrench

CrV

8 mm

10 mm



mm	mm	L mm	Ø mm	Part N°	€
8	10	235	13	482-002	20,34

• For oil crank and gear box plugs in Citroën, Peugeot, Renault, Volvo...

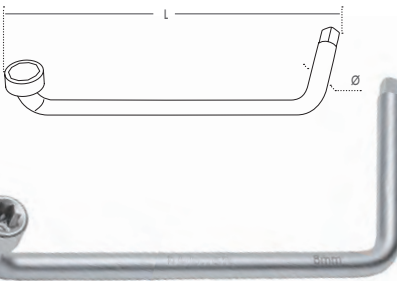
482

S-Type Heavy Duty Oil Drain Plug Key & Socket Wrench

CrV

8 mm

11 mm



mm	mm	L mm	Ø mm	Part N°	€
8	11	250	12	482-003	23,23

• For oil crank and gear box plugs in Citroën, Peugeot, Renault, Volvo...

480

Tyre Lever Wrench



L mm	Part N°	€
215	480-215	8,87
350	480-350	15,33
500	480-500	26,22

480

Tyre Lever Wrench



L mm	Part N°	€
380	480-380	23,19

Wrenches

Tyre Lever and Oil Filter Wrenches



466

Tyre Lever Wrench



mm	Part N°	€
17	466-17	16,61
19	466-19	17,70
21	466-21	19,69
23	466-23	21,12

481

Adjustable 3 position Oil Filter Wrench



mm	Part N°	€
85~115	481-85-115	32,09

481

Oil Filter Belt Wrenches



mm	Part N°	€
65~105	481-65-105	27,46
110~165	481-110-165	29,17

- Remove the screw at the rotary rear end to replace the band.

481

Spare Belt



mm	Part N°	€
65~105	481-65-105R	8,13
110~165	481-110-165R	9,09

Suitable for
481-65-105 / 481-110-165

480

Trim Removal Tools Set

11
Pcs



- Tools to facilitate the dismantling of panels, dashboards, mouldings, boards and other accessories from the vehicle interior.
- Manufactured in high resistance plastic to guarantee a long durability.
- Avoid possible damages in the softer surfaces and pieces.

Part N°	€
480-011	43,53

481

Chain Oil Filter Wrench



L mm (Chain)	Ø mm	Part N°	€
350	60-105	481-010	58,66
520	60-160	481-011	87,25

Chain Spare

481-010R	40,76
481-011R	48,94

481

Belt Oil Filter Wrench



L mm (Belt)	Ø mm	Part N°	€
580	60-140	481-020	37,39
840	60-265	481-021	69,31

Spare Belt

481-020R	18,50
481-021R	23,22

481

Oil Filter Cap Set

30
Pcs



Part N°	€
481-001	218,09

Includes:

- 28 press-on sleeve
- 3 Claw Adjustable Oil Filter Wrench 65-120mm
- 1 Reduction adaptor 1/2" to 3/8"

Wrenches

Oil Filter Wrenches



481

Oil Filter Cap

CrV

DIN 7444



	Ø mm	Part N°	€	
14	65	481-101	15,85	Daihatsu - Toyota - Nissan - Fiat
6	66	481-102	15,85	Fiat Punto 1.2 - Renault Clio 1.2 - Rapid - Twingo
14	65-67	481-103	15,85	Daihatsu - Toyota - Nissan - Fiat
14	68	481-104	15,85	Mazda - Ford - Subaru
14	73	481-105	15,85	Toyota - Lexus - Alfa Romeo
15	74	481-106	15,85	Audi - General Motors - Rover - Chrysler
15	74-76	481-107	15,85	Ford - Opel - VW, Audi - Mercedes-Benz - Chrysler
15	75-77	481-108	15,85	VW - Audi - Isuzu - Mercedes-Benz - Ford - Opel
8	76	481-109	15,85	Fiat Marea - Lancia Delta
12	76	481-110	15,85	Fiat - Mercedes-Benz - Renault
14	76	481-111	15,85	VW - Porsche - Mercedes-Benz - BMW, Audi - Opel
30	76	481-112	15,85	Ford - Motorcraft FL400A
15	78	481-113	15,85	Nissan - Ford - Toyota - Honda
15	80	481-114	15,85	Nissan - Honda - Opel - Mazda - Subaru - Toyota
15	80-82	481-115	15,85	Subaru - Toyota - Honda - Nissan - Mazda - Acura
16	86	481-116	15,85	Volvo
18	86	481-117	15,85	VW - Audi - Peugeot - Citroen - Renault
18	90	481-118	15,85	Honda - Mitsubishi - Isuzu - Subaru - Mazda
10	92	481-119	15,85	Fiat - Lancia
15	93	481-120	15,85	Mazda - Volvo - Mitsubishi - Nissan - Honda
36	93	481-121	15,85	Ford - Motorcraft FLINFLA 1B - FL3001 - FL320
45	93	481-122	15,85	VW - Audi
15	95	481-123	15,85	Toyota - Alfa Romeo - Ford - General Motors - Chrysler
18	96	481-124	15,85	Audi - VW - Renault
15	100	481-125	15,85	Isuzu - Mitsubishi
15	106	481-126	15,85	Fiat - Scania - MAN
15	108	481-127	15,85	Volvo Diesel C70 - S70 - N70 - 850 TDI
18	108	481-128	15,85	Daihatsu - Toyota - Nissan - Fiat

905

3 Claw Adjustable Oil Filter Wrench

3/8"



Ø mm	Part N°	€
65-120	905-020	20,94

452

Slogging Ring Wrench

CrV

DIN 7444



mm	L mm	Part N°	€
17	146	452-17	31,89
19	147	452-19	32,03
22	152	452-22	32,69
24	163	452-24	33,32
27	180	452-27	36,84
30	190	452-30	43,68
32	190	452-32	46,95
36	205	452-36	54,24
41	230	452-41	73,72
46	240	452-46	80,42
50	253	452-50	94,53
55	266	452-55	108,12
60	280	452-60	113,99
65	300	452-65	152,73
70	330	452-70	176,62
75	330	452-75	189,67
80	360	452-80	252,33
85	360	452-85	337,89
90	390	452-90	434,78
95	390	452-95	464,76
100	420	452-100	533,27
105	420	452-105	624,44
110	450	452-110	685,20
115	450	452-115	769,13
120	480	452-120	945,95
125	480	452-125	1.258,05
130	520	452-130	1.368,24
135	520	452-135	1.411,35
140	520	452-140	1.688,62
145	580	452-145	2.222,29
150	580	452-150	2.339,38
155	580	452-155	2.540,00
160	650	452-160	2.691,69
165	650	452-165	2.859,38
170	650	452-170	2.869,63
175	650	452-175	3.078,24
180	650	452-180	3.303,98

Wrenches

Open Ended Wrench



478

Open Ended Slogging Wrench

DIN 133

CrV

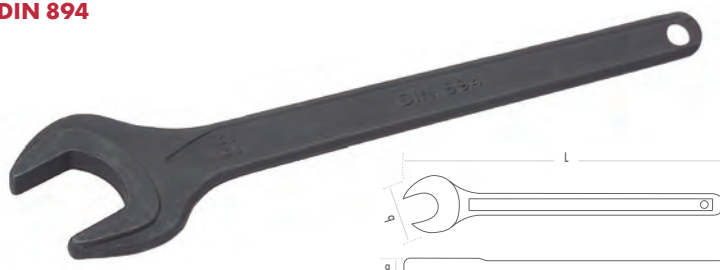


mm	L mm	Part N°	€
22	133	478-22	32,16
24	177	478-24	32,62
27	180	478-27	33,77
30	190	478-30	39,63
32	190	478-32	42,08
36	215	478-36	54,16
41	235	478-41	66,42
46	255	478-46	89,45
50	275	478-50	101,90
55	300	478-55	118,89
60	320	478-60	132,11
65	342	478-65	165,51
70	375	478-70	213,24
75	375	478-75	228,36
80	408	478-80	298,19
85	408	478-85	313,27
90	445	478-90	400,07
95	445	478-95	420,86
100	485	478-100	645,42
105	485	478-105	720,93
110	510	478-110	786,97
115	510	478-115	920,96
120	545	478-120	936,08
125	545	478-125	1.033,01

479

Single Open Ended Wrench

DIN 894



mm	L mm	a mm	b mm	Part N°	€
07	78	3,2	15	479-07	3,90
08	94	3,7	18	479-08	3,90
09	100	3,7	20	479-09	3,91
10	106	4,5	22	479-10	3,91
11	112	4,8	24	479-11	4,03
12	125	4,3	26	479-12	4,03
13	125	5,1	27	479-13	4,03
14	135	5,3	30	479-14	4,69
15	140	5,5	32	479-15	4,87
16	156	5,3	33	479-16	5,03
17	158	5,8	35	479-17	5,04
18	171	5,4	37	479-18	5,04
19	171	6,5	39	479-19	5,25
22	190	6,9	44	479-22	6,55
24	208	8,3	49	479-24	7,90
27	235	8,9	55	479-27	9,03
30	262	9,6	61	479-30	10,61
32	274	10,2	64	479-32	11,99
34	284	10,1	69	479-34	19,91
36	295	11,3	72	479-36	21,56
38	295	11,6	77	479-38	24,28
41	335	12,3	83	479-41	24,72
46	370	12,6	91	479-46	27,96
50	400	13,5	100	479-50	35,03
55	445	15,8	113	479-55	41,38
60	475	16,0	121	479-60	58,33
65	510	17,2	132	479-65	69,96
70	560	19,8	142	479-70	81,71
75	585	19,6	152	479-75	140,75
80	635	22,1	160	479-80	166,12
85	675	23,4	175	479-85	202,80
90	745	22,1	190	479-90	226,81
95	855	26,7	205	479-95	345,04
100	1000	26,1	205	479-100	351,70

484

Deep Offset Slogging Ring Wrench

CrV



mm	Part N°	€
24	484-24 *	66,23
27	484-27 *	66,23
32	484-32 *	70,32
38	484-38 *	96,75
41	484-41 *	98,82
43	484-43 *	106,15
46	484-46 *	110,16
50	484-50 *	132,66
55	484-55 *	148,47
60	484-60 *	183,29
65	484-65 *	206,53
70	484-70 *	225,14
75	484-75 *	245,59
85	484-85 *	290,27
90	484-90 *	576,82
95	484-95 *	625,18
100	484-100 *	660,48
105	484-105 *	695,78
110	484-110 *	915,80
115	484-115 *	987,07

* Until end of stock

4840

Deep Offset Slogging Ring Wrench



mm	Part N°	Set	€
24	4840-24		64,30
27	4840-27	4840-001	64,30
30	4840-30		64,30
32	4840-32		68,27
36	4840-36	4840-002	78,03
41	4840-41		95,94
46	4840-46		106,95
50	4840-50	4840-003	128,80
55	4840-55		144,15
60	4840-60		177,95
65	4840-65		200,51
70	4840-70		218,58
75	4840-75	4840-004	238,44
80	4840-80		261,94
85	4840-85		281,82
90	4840-90		560,02
95	4840-95		606,97

484

Deep Offset Slogging Ring Wrench Set

CrV



L mm	Ø mm	g	Part N°	€
580	32	1.600	484-002	80,53 *
850	32	2.300	484-003	126,68 *

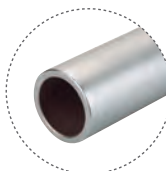
* Until end of stock

- Valid for 484

4840

Deep Offset Slogging Ring Wrench Set

CrV



L mm	Ø mm	g	mm	Part N°	€
460	19x25	756	24-30 mm	4840-001	49,36
610	22x28	1.127	32-41 mm	4840-002	56,36
760	25x31	1.570	46-55 mm	4840-003	83,36
860	30x37	2.500	60-95 mm	4840-004	105,36

- Valid for 4840

Wrenches

Insulated Wrenches

VDE insulated Wrenches tested at 10.000V and certified for 1.000V

4581

Insulated Open Wrench



A mm	L mm	a mm	b mm	Part N°	€
6	89	7	22	4581-06	23,77
7	89	7	24	4581-07	23,87
8	99	7	25	4581-08	25,39
9	99	7	28	4581-09	25,50
10	108	8	29	4581-10	25,65
11	108	8	31	4581-11	26,11
12	129	8	33	4581-12	27,39
13	134	10	34	4581-13	27,39
14	144	10	37	4581-14	28,80
15	148	11	40	4581-15	28,79
16	158	11	42	4581-16	29,93
17	158	12	44	4581-17	30,50
18	173	12	44	4581-18	31,20
19	173	12	47	4581-19	32,39
21	194	12	50	4581-21	36,62
22	194	13	54	4581-22	40,59
24	224	13	56	4581-24	47,00
27	250	14	61	4581-27	50,19
30	287	14	66	4581-30	55,96
32	307	16	70	4581-32	57,33

4581

Nylon Pouch

14

Pcs

CrV



650 x 440 mm



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

Part N°	€
4581-002	500,19
451-002V *	23,71

* Empty Nylon Pouch

4583

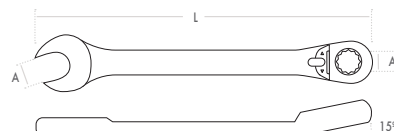
Insulated Ring Wrench



	L mm	b mm	Part N°	€
6	151	16	4583-06	33,73
7	153	17	4583-07	33,73
8	157	18	4583-08	35,55
9	157	20	4583-09	36,24
10	172	21	4583-10	36,12
11	173	23	4583-11	36,45
12	194	23	4583-12	36,45
13	194	26	4583-13	39,10
14	207	26	4583-14	40,21
15	207	27	4583-15	41,68
16	218	30	4583-16	42,27
17	220	31	4583-17	43,56
18	234	32	4583-18	44,32
19	234	34	4583-19	45,81
21	248	38	4583-21	48,22
22	250	38	4583-22	48,59
24	270	40	4583-24	48,59

4587

Combination Gear Wrench



A mm	L mm	Part N°	€
7	120	4587-07	36,26
8	120	4587-08	37,67
10	135	4587-10	38,52
11	140	4587-11	40,05
12	145	4587-12	40,05
13	150	4587-13	42,54
15	165	4587-15	45,45
17	180	4587-17	48,10
19	200	4587-19	52,12
22	230	4587-22	72,80
24	260	4587-24	81,85

Adjustable Wrenches

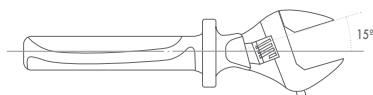
Insulated Wrenches



495

Insulated Adjustable Wrench

CrV



TESTED



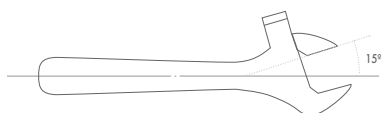
Bimaterial Handle

L mm	L "	mm	Part N°	€
200	8	25	495-200	51,49
250	10	33	495-250	60,89

497

Insulated Spanish Type Adjustable Wrench

CrV



TESTED



L mm	L "	mm	Part N°	€
200	8	28	497-200	185,37
250	10	33	497-250	207,27
300	12	38	497-300	225,81