



UM LEGADO PARTILHADO

Tabela de Preços **2026**



Chaves de bocas

CHAVES AJUSTÁVEIS

Chave crescente, fosfatada. Combinada: chave crescente + chave para tubos

ergo®



90

L		€		
158mm/6"	20 mm	30,73	5	9070
208mm/8"	27 mm	33,37	5	9071
257mm/10"	31 mm	43,45	5	9072
308mm/12"	34 mm	63,20	5	9073

Combinada: chave crescente + chave para tubos

Chave ajustável ERGO™ fosfatada com pega de borracha e porca central, com mandíbula reversível

ergo®



90P

L		€		
158mm/6"	21 mm	34,41	5	9070 P
208mm/8"	28 mm	36,73	5	9071 P
257mm/10"	33 mm	47,10	5	9072 P
308mm/12"	35 mm	66,86	5	9073 P

Chave crescente, cromada. Combinada: chave crescente + chave para tubos

ergo®



90C

L		€		
158mm/6"	20 mm	27,83	5	9070 C
208mm/8"	27 mm	29,81	5	9071 C
257mm/10"	31 mm	38,39	5	9072 C
308mm/12"	34 mm	56,04	3	9073 C

Combinada: chave crescente + chave para tubos

Chaves ajustáveis ERGO™ com pega de borracha e porca central, com mandíbula reversível

ergo®



90PC

L		€		
158mm/6"	21 mm	30,67	5	9070 PC
208mm/8"	28 mm	32,84	5	9071 PC
257mm/10"	33 mm	41,24	5	9072 PC
308mm/12"	35 mm	58,88	3	9073 PC

Chave crescente, fosfatada, curta

ergo®



9029-9035

L		€		
170mm/6"	32 mm	32,23	5	9029
218mm/8"	38 mm	35,02	5	9031
270mm/10"	46 mm	45,68	5	9033
324mm/12"	55 mm	66,22	5	9035

Chave crescente com grande abertura da maxila. Com abertura da maxila extra

ergo®



9029C/9031C

L		€		
170mm/6"	32 mm	37,77	5	9029 C
218mm/8"	38 mm	40,51	5	9031 C

Com abertura da maxila extra

Chave Ajustável Rebaixada. com grande abertura

ergo®



9029-T/9031-T

L		€		
170mm/6"	32 mm	37,17	5	9029-T
218mm/8"	38 mm	43,24	5	9031-T

com grande abertura

Chave crescente, abertura maior e maxila reversível

ergo®



9031P

L		€		
218mm/8"	39 mm	37,95	5	9031P

Conjunto de 3 chaves ajustáveis da Série 90

ergo®



ADJUST3-90

g	€		
900 g	96,19	1	ADJUST 3-90

9070, 9071, 9072

Embalagem dupla 9031 e 9029



ergo



ADJUST9031/29

g	€		
550 g	67,26	3	ADJUST 9031/29

9029, 9031

Chave crescente, fosfatada. Combinada: chave crescente + chave para tubos



80

L		€		
110mm/4"	13 mm	23,58	5	8069
155mm/6"	20 mm	24,75	5	8070
205mm/8"	27 mm	26,86	5	8071
255mm/10"	31 mm	35,00	5	8072
305mm/12"	34 mm	50,88	5	8073
380mm/15"	44 mm	83,14	3	8074
455mm/18"	53 mm	130,64	3	8075
110mm/4"	13 mm	22,83	50	8069 IP
155mm/6"	20 mm	24,08	40	8070 IP
205mm/8"	27 mm	26,18	50	8071 IP
255mm/10"	31 mm	34,33	30	8072 IP
305mm/12"	34 mm	50,20	20	8073 IP
380mm/15"	44 mm	82,47	20	8074 IP
455mm/18"	53 mm	129,94	10	8075 IP

Combinada: chave crescente + chave para tubos

Chave crescente, cromada. Combinada: chave crescente + chave para tubos



80C

L		€		
110mm/4"	13 mm	17,31	5	8069 C
155mm/6"	20 mm	17,76	5	8070 C
205mm/8"	27 mm	20,19	5	8071 C
255mm/10"	31 mm	24,50	5	8072 C
305mm/12"	34 mm	32,25	5	8073 C
380mm/15"	44 mm	54,17	3	8074 C
455mm/18"	53 mm	84,05	3	8075 C

L		€		
110mm/4"	13 mm	16,79	5	8069 C IP
155mm/6"	20 mm	17,22	5	8070 C IP
205mm/8"	27 mm	19,69	5	8071 C IP
255mm/10"	31 mm	23,97	5	8072 C IP
305mm/12"	34 mm	31,71	5	8073 C IP
380mm/15"	44 mm	53,63	3	8074 C IP
455mm/18"	53 mm	83,54	3	8075 C IP

Combinada: chave crescente + chave para tubos

Chave ajustável de grandes dimensões



86/87

L		€		
614mm/24"	63 mm	292,46	1	86
770mm/30"	85 mm	298,65	1	87

Conjunto de 3 chaves ajustáveis da Série 80



ADJUST3

g	€		
810 g	81,91	1	ADJUST 3

8070, 8071, 8072

Peças extra para chaves crescentes. 2= molette et ressort



RPS

	€		
8069, 8069 C	5,16	1	8069-1
8070, 8070 C, 9070, 9070 C	5,97	1	8070-1
8071, 8071 C, 9071, 9071 C	5,54	1	8071-1

	€		
8072, 8072 C, 9072, 9072 C	5,74	1	8072-1
8073, 8073 C, 9073, 9073 C	6,63	1	8073-1
8074, 8074 C	10,77	1	8074-1
8075, 8075 C	14,29	1	8075-1
9029, 9029 C, 31	6,32	1	9029-1
9029-T	14,09	1	9029T-1
9031, 9031 C	6,12	1	9031-1
9031-T	14,21	1	9031T-1
9033, 33H	13,37	1	9033-1
9035	14,93	1	9035-1
86	8,51	5	86-1
87	10,68	8	87-1
9031 P	11,28	1	9031 P-1
9070 P, 9070 PC	8,61	1	9070 P-1
9071 P, 9071 PC	8,42	1	9071 P-1
9072 P, 9072 PC	9,26	1	9072 P-1
9073 P, 9073 PC	10,51	1	9073 P-1

2= molette et ressort

Conjuntos de serralha, perno e mola sobresselentes para as séries 80 e 90 de chaves ajustáveis



RPS2

	g	€		
8069, 8069 C	3 g	3,14	1	8069-2
8070, 8070 C, 9070, 9070 C, 9070 P, 9070 PC	8 g	3,27	1	8070-2
8071, 8071 C, 9071, 9071 C, 9071 P, 9071 PC	10 g	3,30	1	8071-2
8072, 8072 C, 9072, 9072 C, 9072 P, 9072 PC	16 g	3,62	1	8072-2
8073, 8073 C, 9073, 9073 C, 9073 P, 9073 PC, 9033	25 g	3,98	1	8073-2
8074, 8074 C, 9035	47 g	4,67	1	8074-2
8075, 8075 C	54 g	5,23	1	8075-2
9029, 9029 C, 9029-T, 9031-T, 31, 9031, 9031 C, 9031P	9 g	3,62	1	9029-2
86	125 g	7,15	5	86-2
87	185 g	7,50	8	87-2



Chave ajustável de grandes dimensões - podger



84

		€			
405mm/16"	41 mm	39,18	1	84-PODGER	

Chave crescente



31

		€			
209mm/8"	32 mm	39,33	5	31	
209mm/8"	32 mm	37,87	50	31 IP	

Chaves de boca fina ajustáveis com mandíbulas de tubo serrilhadas e acabamento fosfatado



31-T

		€			
209mm/8"	32 mm	37,87	5	31-T	
209mm/8"	32 mm	37,87	50	31-T IP	

Chave inglesa com gancho



33H

		€			
254mm/10"	46 mm	70,08	5	33H	

Chave Ajustável Lateral Fosfatada. Serviços Pesados



95

		€			
257mm/10"	35 mm		5	9572*	

Serviços Pesados

Chave Ajustável de parafuso lateral



91C/97C

		€			
155mm/6"	21 mm	28,93	5	91C	
205mm/8"	29 mm	32,98	5	92C	
255mm/10"	34 mm	39,13	5	93C	
305mm/12"	39 mm	50,01	5	94C	
405mm/16"	48 mm	83,70	1	95C	
500mm/20"	60 mm	159,09	1	96C	
750mm/30"	77 mm	310,85	1	97C	

CHAVES DE BOCAS COMBINADAS

Chave mista offset



111M

	€				
5.5 mm	6,74	10	111M-5.5		
6 mm	6,13	10	111M-6		
7 mm	6,20	10	111M-7		
8 mm	6,38	10	111M-8		
9 mm	7,62	10	111M-9		
10 mm	7,67	10	111M-10		
11 mm	8,33	10	111M-11		
12 mm	8,79	10	111M-12		
13 mm	9,26	10	111M-13		
14 mm	9,64	10	111M-14		
15 mm	9,98	10	111M-15		
16 mm	10,56	10	111M-16		
17 mm	11,29	10	111M-17		
18 mm	11,90	10	111M-18		
19 mm	13,60	10	111M-19		
20 mm	13,76	10	111M-20		
21 mm	15,72	10	111M-21		
22 mm	15,86	5	111M-22		
23 mm	16,79	5	111M-23		
24 mm	17,56	5	111M-24		
25 mm	19,04	5	111M-25		
26 mm	22,60	5	111M-26		
27 mm	24,87	5	111M-27		
28 mm	26,56	5	111M-28		
29 mm	27,22	5	111M-29		
30 mm	30,29	5	111M-30		
32 mm	32,65	5	111M-32		
33 mm	35,12	5	111M-33		
34 mm	37,78	5	111M-34		
36 mm	53,40	1	111M-36		
38 mm	63,15	1	111M-38		
41 mm	67,80	1	111M-41		
46 mm	89,41	1	111M-46		
50 mm	101,27	1	111M-50		
55 mm	176,59	1	111M-55		
60 mm	234,26	1	111M-60		
65 mm	311,96	1	111M-65		
70 mm	370,82	1	111M-70		
75 mm	467,35	1	111M-75		
80 mm	539,16	1	111M-80		
85 mm	725,31	1	111M-85		
90 mm	734,01	1	111M-90		
95 mm	736,19	1	111M-95		
100 mm	755,76	1	111M-100		
5.5 mm	7,18	1	SB111M-5,5		
6 mm	7,44	1	SB111M-6		
7 mm	7,49	1	SB111M-7		
8 mm	7,68	1	SB111M-8		
9 mm	8,96	1	SB111M-9		
10 mm	9,03	1	SB111M-10		
11 mm	9,72	1	SB111M-11		
12 mm	10,18	1	SB111M-12		
13 mm	10,67	1	SB111M-13		
14 mm	11,10	1	SB111M-14		
15 mm	11,43	1	SB111M-15		

	€		
16 mm	12,29	1	SB111M-16
17 mm	12,81	1	SB111M-17
18 mm	13,42	1	SB111M-18
19 mm	15,21	1	SB111M-19
20 mm	15,33	1	SB111M-20
21 mm	17,40	1	SB111M-21
22 mm	17,54	1	SB111M-22
23 mm	18,52	1	SB111M-23
24 mm	19,34	1	SB111M-24
25 mm	20,87	1	SB111M-25
26 mm	20,33	1	SB111M-26
27 mm	22,76	1	SB111M-27
28 mm	28,06	1	SB111M-28
29 mm	30,39	1	SB111M-29
30 mm	32,54	1	SB111M-30
32 mm	36,22	1	SB111M-32

Chave mista offset



111Z

	€		
1/4 in	6,41	5	111Z-1/4
5/16 in	6,62	5	111Z-5/16
3/8 in	8,05	5	111Z-3/8
7/16 in	8,76	5	111Z-7/16
1/2 in	9,70	5	111Z-1/2
9/16 in	10,21	5	111Z-9/16
5/8 in	11,07	5	111Z-5/8
11/16 in	11,72	5	111Z-11/16
3/4 in	14,03	5	111Z-3/4
13/16 in	16,31	5	111Z-13/16
7/8 in	16,58	5	111Z-7/8
15/16 in	18,48	3	111Z-15/16
1 in	19,96	3	111Z-1
1 1/16 in	25,88	5	111Z-1.1/16
1 1/8 in	27,65	5	111Z-1.1/8
1 1/4 in	33,84	5	111Z-1.1/4
1 5/16 in	39,38	5	111Z-1.5/16
1 3/8 in	55,44	1	111Z-1.3/8
1 7/16 in	55,44	1	111Z-1.7/16
1 1/2 in	58,25	1	111Z-1.1/2
1 5/8 in	70,40	1	111Z-1.5/8
1 11/16 in	90,92	1	111Z-1.11/16
1 3/4 in	97,55	1	111Z-1.3/4
1 13/16 in	90,73	1	111Z-1.13/16
1 7/8 in	103,76	1	111Z-1.7/8
2 in	105,18	1	111Z-2
2 1/8 in	185,02	1	111Z-2.1/8
2 1/4 in	185,02	1	111Z-2.1/4
2 3/8 in	255,72	1	111Z-2.3/8
2 1/2 in	316,92	1	111Z-2.1/2
2 5/8 in	316,92	1	111Z-2.5/8
2 3/4 in	337,09	1	111Z-2.3/4
2 7/8 in	409,14	1	111Z-2.7/8
3 in	409,14	1	111Z-3

Chave boca luneta, tipo coto, polegadas



12

	€		
3/16 in	7,87	20	1Z-3/16
7/32 in	7,68	20	1Z-7/32*
5/16 in	4,90	10	1Z-5/16
11/32 in	5,49	10	1Z-11/32*
3/8 in	5,63	10	1Z-3/8
7/16 in	6,02	10	1Z-7/16
1/2 in	6,65	10	1Z-1/2
9/16 in	7,04	10	1Z-9/16
5/8 in	7,96	10	1Z-5/8
11/16 in	8,24	10	1Z-11/16
3/4 in	9,28	10	1Z-3/4*
13/16 in	11,01	10	1Z-13/16
7/8 in	11,01	10	1Z-7/8
15/16 in	17,52	5	1Z-15/16
1 in	17,76	10	1Z-1

Chave mista offset



S20

	€		
7	5,67	1	SBS20-7*
8	5,87	1	SBS20-8*
9	6,00	1	SBS20-9*
11	6,50	1	SBS20-11*
12	7,13	1	SBS20-12*
13	7,16	1	SBS20-13*
14	7,85	1	SBS20-14*
15	8,06	1	SBS20-15*
16	8,85	1	SBS20-16
20	11,89	1	SBS20-20*
22	13,68	1	SBS20-22*

Conjunto de chaves boca luneta, 5 peças, métrico



111M/SH5

	€		
5	48,19	1	111M/SH5

111M-8, 111M-10, 111M-13, 111M-17, 111M-19

Jogo de chaves combinadas, métrico



111M/SH8

	€		
8	88,96	1	111M/SH8

111M-8, 111M-10, 111M-12, 111M-13, 111M-14, 111M-17, 111M-19, 111M-22

Jogo de chaves combinadas, métrico



111M/SH12

	€		
12	126,71	1	111M/SH12

111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-16, 111M-17, 111M-18, 111M-19



Conjunto de chaves de bocas duplas, métrico



111M/



€



10

99,89

1

111M/S10

111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-17, 111M-19, 111M-22



Jogo de chaves combinadas, métrico



111M/11T



€



11

113,90

1

111M/11T

111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-17, 111M-19, 111M-22



Jogo de chaves combinadas, métrico



111M/14T



€



14

210,10

1

111M/14T

111M-6, 111M-8, 111M-9, 111M-10, 111M-13, 111M-14, 111M-15, 111M-17, 111M-19, 111M-22, 111M-24, 111M-27, 111M-30, 111M-32



Jogo de chaves combinadas, métrico



111M/17T



€



17

181,84

1

111M/17T

111M-6, 111M-7, 111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-16, 111M-17, 111M-18, 111M-19, 111M-20, 111M-21, 111M-22



Jogo de chaves combinadas, métrico



111M/17TL



€



17

234,07

1

111M/17TL

111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-16, 111M-18, 111M-19, 111M-22, 111M-24, 111M-26, 111M-27, 111M-30, 111M-32



Conjunto de chaves boca luneta, métrico



111M/24T



€



24

384,52

1

111M/24T

111M-6, 111M-7, 111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-16, 111M-17, 111M-18, 111M-19, 111M-20, 111M-21, 111M-22, 111M-24, 111M-26, 111M-27, 111M-28, 111M-30, 111M-32, 111M-36



Jogo de chaves combinadas, métrico



111M/26T



€



26

401,84

1

111M/26T

111M-6, 111M-7, 111M-8, 111M-9, 111M-10, 111M-11, 111M-12, 111M-13, 111M-14, 111M-15, 111M-16, 111M-17, 111M-18, 111M-19, 111M-20, 111M-21, 111M-22, 111M-23, 111M-24, 111M-25, 111M-26, 111M-27, 111M-28, 111M-29, 111M-30, 111M-32



Jogos de chaves mistas offset



111Z/



€



8

101,21

1

111Z/8T

BAHCO

111Z-3/8, 111Z-7/16, 111Z-1/2, 111Z-9/16, 111Z-5/8, 111Z-11/16, 111Z-3/4, 111Z-7/8

Conjunto de chaves boca luneta, polegadas



111Z/11T

	€		
11	162,35	1	111Z/11T

111Z-3/8, 111Z-7/16, 111Z-1/2, 111Z-9/16, 111Z-5/8, 111Z-11/16, 111Z-3/4, 111Z-13/16, 111Z-7/8, 111Z-15/16, 111Z-1

Chave mista offset, série longa



11M

	€		
8 mm	12,05	5	11M-8
9 mm	12,05	5	11M-9
10 mm	12,67	5	11M-10
11 mm	12,67	5	11M-11
12 mm	14,49	5	11M-12
13 mm	14,49	5	11M-13
14 mm	17,50	5	11M-14
15 mm	17,50	5	11M-15
16 mm	19,20	5	11M-16
17 mm	19,80	5	11M-17
18 mm	19,95	5	11M-18
19 mm	25,07	5	11M-19
21 mm	25,07	5	11M-21
22 mm	18,80	5	11M-22
24 mm	32,11	5	11M-24
27 mm	41,65	1	11M-27
30 mm	50,39	1	11M-30
32 mm	50,39	1	11M-32
36 mm	64,78	1	11M-36
38 mm	68,64	1	11M-38

Chave boca luneta, série longa polegadas



11Z

	€		
3/8 in	11,75	5	11Z-3/8*
7/16 in	12,15	5	11Z-7/16*
1/2 in	12,51	5	11Z-1/2*
9/16 in	12,96	5	11Z-9/16*
5/8 in	15,50	5	11Z-5/8*
11/16 in	15,50	5	11Z-11/16*
3/4 in	17,36	5	11Z-3/4*
13/16 in	18,19	5	11Z-13/16*
1 in	38,53	5	11Z-1*

Chave mista, Liliput



4020L-M

	€		
3.2 mm	20,68	5	4020L-M-3.2
3.5 mm	20,68	5	4020L-M-3.5
4 mm	19,54	5	4020L-M-4
4.5 mm	19,54	5	4020L-M-4.5
5 mm	19,54	5	4020L-M-5
5.5 mm	19,54	5	4020L-M-5.5

Chave mista offset



1952M

	€		
6 mm	9,70	10	1952M-6
7 mm	9,70	10	1952M-7
8 mm	9,57	10	1952M-8
9 mm	10,77	10	1952M-9
10 mm	10,77	10	1952M-10
11 mm	11,55	10	1952M-11
12 mm	12,21	10	1952M-12
13 mm	13,23	10	1952M-13
14 mm	13,35	10	1952M-14
15 mm	15,80	10	1952M-15
16 mm	17,09	10	1952M-16

	€		
17 mm	17,65	10	1952M-17
18 mm	19,75	10	1952M-18
19 mm	20,71	10	1952M-19
20 mm	21,92	10	1952M-20
21 mm	22,79	10	1952M-21
22 mm	25,55	5	1952M-22
23 mm	27,59	5	1952M-23
24 mm	28,84	5	1952M-24
25 mm	30,78	5	1952M-25
26 mm	31,08	5	1952M-26
27 mm	33,14	5	1952M-27
28 mm	37,78	1	1952M-28
29 mm	40,33	1	1952M-29
30 mm	42,34	1	1952M-30
32 mm	44,28	1	1952M-32
34 mm	57,39	1	1952M-34
36 mm	75,24	1	1952M-36
41 mm	93,53	1	1952M-41
46 mm	150,48	1	1952M-46
50 mm	191,29	1	1952M-50
55 mm	244,27	1	1952M-55
60 mm	371,99	1	1952M-60
65 mm	475,41	1	1952M-65
70 mm	513,32	1	1952M-70
75 mm	581,69	1	1952M-75
80 mm	697,42	1	1952M-80
7 mm	10,94	1	SB1952M-7
8 mm	10,78	1	SB1952M-8
10 mm	12,00	1	SB1952M-10
12 mm	13,43	1	SB1952M-12
13 mm	14,45	1	SB1952M-13
14 mm	14,58	1	SB1952M-14
17 mm	18,87	1	SB1952M-17
19 mm	21,92	1	SB1952M-19
24 mm	30,06	1	SB1952M-24

Chave mista offset



1952Z

	€		
1/4 in	10,22	5	1952Z-1/4
5/16 in	10,37	5	1952Z-5/16
11/32 in	11,03	5	1952Z-11/32
3/8 in	11,59	5	1952Z-3/8
7/16 in	12,59	5	1952Z-7/16
1/2 in	20,54	5	1952Z-1/2
9/16 in	15,32	5	1952Z-9/16
5/8 in	17,39	5	1952Z-5/8
11/16 in	20,50	5	1952Z-11/16
3/4 in	22,42	5	1952Z-3/4
13/16 in	23,97	5	1952Z-13/16
7/8 in	28,77	5	1952Z-7/8
15/16 in	30,65	5	1952Z-15/16
1 in	31,89	1	1952Z-1
1 1/16 in	35,06	1	1952Z-1.1/16
1 1/8 in	41,39	1	1952Z-1.1/8
1 1/4 in	47,53	1	1952Z-1.1/4
1 5/16 in	51,32	1	1952Z-1.5/16
1 3/8 in	93,20	1	1952Z-1.3/8
1 7/16 in	98,82	1	1952Z-1.7/16
1 1/2 in	99,81	1	1952Z-1.1/2
1 5/8 in	119,64	1	1952Z-1.5/8

* Até esgotar o stock



Chave mista, offset, métrica



PU

	€		
6 mm	7,52	5	PU-6*
9 mm	9,11	5	PU-9*
14 mm	11,24	5	PU-14*
20 mm	16,54	3	PU-20*
22 mm	22,15	3	PU-22*
24 mm	25,21	3	PU-24*

Jogo de chaves combinadas, offset, métrico - 8 peças



1952M/SH

	€		
6	83,86	1	1952M/SH6

1952M-8, 1952M-10, 1952M-12, 1952M-13, 1952M-14, 1952M-17

Jogo de chaves combinadas, offset, métrico - 12 peças



1952M/SH12

	€		
12	186,57	1	1952M/SH12

1952M-8, 1952M-9, 1952M-10, 1952M-11, 1952M-12, 1952M-13, 1952M-14, 1952M-15, 1952M-16, 1952M-17, 1952M-18, 1952M-19

Conjunto de chaves de bocas duplas, offset, métrico



1952M/

	€		
10	135,61	1	1952M/10

1952M-8, 1952M-9, 1952M-10, 1952M-11, 1952M-12, 1952M-13, 1952M-14, 1952M-15, 1952M-17, 1952M-19

Jogos de chaves mistas offset



1952M/T

	€		
7	115,21	1	1952M/7T

1952M-8, 1952M-10, 1952M-13, 1952M-14, 1952M-17, 1952M-19, 1952M-22

Jogo de chaves combinadas, offset, métrico



1952M/14T

	€		
14	302,75	1	1952M/14T

1952M-6, 1952M-8, 1952M-9, 1952M-10, 1952M-13, 1952M-14, 1952M-15, 1952M-17, 1952M-19, 1952M-22, 1952M-24, 1952M-27, 1952M-30, 1952M-32

Jogo de chaves combinadas, offset, métrico



1952M/17T

	€		
17	273,11	1	1952M/17T

1952M-6, 1952M-7, 1952M-8, 1952M-9, 1952M-10, 1952M-11, 1952M-12, 1952M-13, 1952M-14, 1952M-15, 1952M-16, 1952M-17, 1952M-18, 1952M-19, 1952M-20, 1952M-21, 1952M-22

Jogo de chaves combinadas, offset, métrico



1952M/26T

	€		
26	588,45	1	1952M/26T

1952M-6, 1952M-7, 1952M-8, 1952M-9, 1952M-10, 1952M-11, 1952M-12, 1952M-13, 1952M-14, 1952M-15, 1952M-16, 1952M-17, 1952M-18, 1952M-19, 1952M-20, 1952M-21, 1952M-22, 1952M-23, 1952M-24, 1952M-25, 1952M-26, 1952M-27, 1952M-28, 1952M-29, 1952M-30, 1952M-32

Jogos de chaves mistas offset



1952Z/T

	€		
11	189,93	1	1952Z/11T

1952Z-1/4, 1952Z-5/16, 1952Z-3/8,
1952Z-7/16, 1952Z-1/2, 1952Z-9/16,
1952Z-5/8, 1952Z-11/16, 1952Z-3/4,
1952Z-13/16, 1952Z-7/8

CHAVES DE ROQUETE

Chave combinada boca e roquete



1RM

	€		
6 mm	23,81	60	1RM-6
7 mm	23,81	60	1RM-7
8 mm	25,14	60	1RM-8
9 mm	25,46	60	1RM-9
10 mm	27,18	60	1RM-10
11 mm	28,85	60	1RM-11
12 mm	30,99	60	1RM-12
13 mm	32,09	60	1RM-13
14 mm	33,49	30	1RM-14
15 mm	34,43	30	1RM-15
16 mm	37,54	30	1RM-16
17 mm	37,86	30	1RM-17
18 mm	40,96	30	1RM-18
19 mm	41,31	30	1RM-19
21 mm	44,12	30	1RM-21
22 mm	44,50	30	1RM-22
24 mm	48,08	30	1RM-24
27 mm	56,12	20	1RM-27
30 mm	67,89	20	1RM-30
32 mm	73,86	20	1RM-32

Chave mista boca e roquete, em polegadas



1RZ

	€		
1/4 in	27,35	50	1RZ-1/4
5/16 in	27,63	60	1RZ-5/16
11/32 in	23,81	60	1RZ-11/32
3/8 in	28,59	60	1RZ-3/8
7/16 in	31,55	60	1RZ-7/16
1/2 in	35,14	60	1RZ-1/2
9/16 in	36,51	30	1RZ-9/16
5/8 in	40,41	30	1RZ-5/8
11/16 in	42,98	30	1RZ-11/16
3/4 in	46,69	30	1RZ-3/4
7/8 in	51,34	30	1RZ-7/8
15/16 in	61,77	30	1RZ-15/16

em polegadas

Chave mista boca e roquete versão curta, em milímetros



10RM

	€		
8 mm	18,57	60	10RM-8
10 mm	20,89	60	10RM-10
13 mm	23,70	60	10RM-13
14 mm	24,09	60	10RM-14
17 mm	28,02	30	10RM-17
19 mm	30,72	30	10RM-19

em milímetros

Chave boca luneta c/roquete - versão curta, em pol.



10RZ

	€		
5/16 in	20,32	1	10RZ-5/16
3/8 in	22,10	1	10RZ-3/8
7/16 in	23,06	1	10RZ-7/16

	€		
1/2 in	24,76	1	10RZ-1/2
9/16 in	26,05	1	10RZ-9/16
5/8 in	29,24	1	10RZ-5/8
11/16 in	30,74	1	10RZ-11/16
3/4 in	33,26	1	10RZ-3/4

Chave combinada com roquete e cabeça flexível



41RM

	€		
8 mm	23,30	60	41RM-8
10 mm	25,38	60	41RM-10
11 mm	26,68	60	41RM-11
12 mm	28,80	60	41RM-12
13 mm	29,63	60	41RM-13
14 mm	31,07	30	41RM-14
17 mm	35,13	30	41RM-17
19 mm	39,69	30	41RM-19
21 mm	41,39	30	41RM-21

Metric sizes

Chave boca luneta c/roquete e cbç art. de bloqueio. Tamanhos em polegadas



41RZ

	€		
5/16 in	20,90	1	41RZ-5/16
3/8 in	22,12	1	41RZ-3/8
7/16 in	22,87	1	41RZ-7/16
1/2 in	25,00	1	41RZ-1/2
9/16 in	26,40	1	41RZ-9/16
5/8 in	29,64	30	41RZ-5/8
11/16 in	31,75	1	41RZ-11/16
3/4 in	33,07	1	41RZ-3/4
13/16 in	47,83	30	41RZ-13/16
7/8 in	47,83	1	41RZ-7/8



Jogos de chaves combinadas boca e roquete



1RM/

	€		
6	193,68	20	1RM/SH6

1RM-8, 1RM-10, 1RM-12, 1RM-13, 1RM-14, 1RM-17



Jogo de chaves combinadas com roquete



1RM/SH8

	€		
8	277,19	1	1RM/SH8

1RM-8, 1RM-10, 1RM-11, 1RM-12, 1RM-13, 1RM-14, 1RM-17, 1RM-19



Jogo de chaves combinadas com roquete



1RM/SH12

	€		
12	409,19	10	1RM/SH12

1RM-8, 1RM-9, 1RM-10, 1RM-11, 1RM-12, 1RM-13, 1RM-14, 1RM-15, 1RM-16, 1RM-17, 1RM-18, 1RM-19



Conjunto de chaves combinadas boca e roquete



1RM/S5

	€		
5	163,88	10	1RM/S5

1RM-8, 1RM-10, 1RM-13, 1RM-17, 1RM-19



Conjunto de chaves mistas boca e roquete, em polegadas. Tamanhos em polegadas



1RZ/

	€		
8	298,73	1	1RZ/SH8

Tamanhos em polegadas

1RZ-5/16, 1RZ-3/8, 1RZ-7/16, 1RZ-1/2, 1RZ-9/16, 1RZ-5/8, 1RZ-11/16, 1RZ-3/4



Jogo de chaves combinadas de roquete e adaptadores. 8pcs



1RMA/S8

	€		
160 x 283 x 75 mm	147,54	1	1RMA/S8

8pcs

1RMA-13-3/8-SQ, 1RMA-10-1/4-SQ, 1RMA-19-1/2-SQ



1RMA-13-5/16-BIT, 1RMA-10-1/4-BIT



1RM-13, 1RM-10, 1RM-19



Conjunto de chaves mistas boca e roquete, em milímetros



10RM/

	€		
6	151,70	1	10RM/SH6

Metric sizes

10RM-8, 10RM-10, 10RM-13, 10RM-14, 10RM-17, 10RM-19



Conjunto de chaves combinadas boca e roquete. Métrico



41RM/SH8

	€		
8	247,66	10	41RM/SH8

Métrico

41RM-8, 41RM-10, 41RM-11, 41RM-12, 41RM-13, 41RM-14, 41RM-17, 41RM-19



Conjunto de chaves de luneta ajustáveis com roquete



42RM/S12

		€		
229 x 70 x 280 mm	1562 g	362,09	1	42RM/S12

Chave roquete, em milímetros



1320RM

	€		
6-7 mm	32,78	60	1320RM-6-7
8-9 mm	33,23	60	1320RM-8-9
10-11 mm	35,25	60	1320RM-10-11
12-13 mm	37,60	60	1320RM-12-13
14-15 mm	41,60	30	1320RM-14-15
16-17 mm	45,67	30	1320RM-16-17
17-19 mm	47,07	30	1320RM-17-19
18-19 mm	49,15	30	1320RM-18-19
22-24 mm	51,78	30	1320RM-22-24

Chave de roquete, em polegadas. Tamanhos em polegadas



1320RZ

	€		
1/4-5/16" in	32,78	60	1320RZ-1/4-5/16
5/16-11/32 in	35,57	60	1320RZ-5/16-11/32
3/8-7/16" in	41,78	60	1320RZ-3/8-7/16
1/2-9/16" in	47,80	30	1320RZ-1/2-9/16
5/8-11/16" in	27,56	30	1320RZ-5/8-11/16
3/4-13/16" in	42,87	30	1320RZ-3/4-13/16
3/4-7/8" in	42,87	30	1320RZ-3/4-7/8
7/8-15/16" in	56,72	30	1320RZ-7/8-15/16

Tamanhos em polegadas

Chave de luneta com roquete e cabeça angular. Tamanhos em polegadas



1321RZ

	€		
3/8-7/16 in	26,78	1	1321RZ-3/8-7/16
1/2-9/16 in	30,19	1	1321RZ-1/2-9/16
5/8-11/16 in	34,94	1	1321RZ-5/8-11/16
3/4x7/8 in	49,41	1	1321RZ-3/4-7/8

Chave de roquete tipo S



1320SRM

	€		
14-19 mm	44,28	1	1320SRM-14-19

Chave de roquete em milímetros



1320RM/

	€		
8	335,04	1	1320RM/SH8

1320RM-6-7, 1320RM-8-9, 1320RM-10-11, 1320RM-12-13, 1320RM-14-15, 1320RM-16-17, 1320RM-18-19, 1320RM-22-24

Conjunto de chave de roquete tipo S



1320SRM/

	€		
29	133,99	1	1320SRM/S29*

1320SRM-14-19

1RMA-19-17-HEX, 1RMA-19-16-HEX, 1RMA-19-15-HEX, 1RMA-19-13-HEX, 1RMA-19-9/16-HEX, 1RMA-19-5/8-HEX, 1RMA-19-11/16-HEX, 1RMA-19-1/2-HEX, 1RMA-19-E18-TX, 1RMA-19-E20-TX, 1RMA-19-E16-TX, 1RMA-19-E22-TX, 1RMA-19-1/2-SQ2, 1RMA-14-11-HEX, 1RMA-14-12-HEX, 1RMA-14-E11-TX, 1RMA-14-E12-TX, 1RMA-14-E10-TX, 1RMA-14-E14-TX, 1RMA-14-E8-TX, 1RMA-14-10-HEX, 1RMA-14-7/16-HEX, 1RMA-14-3/8-HEX, 1RMA-14-5/16-HEX, 1RMA-14-8-HEX, 1RMA-14-9-HEX

1RMA-19-1/4-SQ

SBS19-TH22

Caixa com roquete 4 em 1



S4RM

	€		
4x5 6x7 mm	22,02	60	S4RM-4-7
8x9 10x11 mm	24,34	60	S4RM-8-11
12x13 14x15 mm	32,87	30	S4RM-12-15
16x17 18x19 mm	39,62	50	S4RM-16-19
20x21 24x27 mm	76,52	20	S4RM-21-27
30x32 34x36 mm	140,85	10	S4RM-30-36

Jogos chaves roquete 4 em 1



S4RM/

	€		
3	99,75	20	S4RM/3T

S4RM-8-11, S4RM-12-15, S4RM-16-19

* Até esgotar o stock



Jogo de chaves de roquete com anel 4 em 1



S4RM/4T

	€		
4	163,07	8	S4RM/4T

S4RM-8-11, S4RM-12-15, S4RM-16-19, S4RM-21-27

Jogos de chaves de roquete com anel 4 em 1



S4RM/5T

	€		
5	328,63	8	S4RM/5T

S4RM-8-11, S4RM-12-15, S4RM-16-19, S4RM-21-27, S4RM-30-36

Adaptadores de chaves de caixa para chave de roquete



1RMA-SQ

	€		
1/4 in	10 mm	10,26	1 1RMA-10-1/4-SQ
3/8 in	13 mm	10,79	1 1RMA-13-3/8-SQ
1/2 in	19 mm	11,66	1 1RMA-19-1/2-SQ
1/4 in	19 mm	11,41	100 1RMA-19-1/4-SQ

Adaptador de pontas para chave de roquete



1RMA-BIT

	€		
1/4	10 mm	8,06	1 1RMA-10-1/4-BIT
5/16	13 mm	8,84	1 1RMA-13-5/16-BIT
10	13 mm	12,70	1 1RMA-13-10-BIT

Jogo de adaptadores para chaves de roquete. 4 pcs



1RMA/S4

	€		
84 x 100 x 35 mm	40,44	30	1RMA/S4

4 pcs

1RMA-10-1/4-SQ, 1RMA-19-1/2-SQ, 1RMA-13-3/8-SQ

1RMA-10-1/4-BIT

CHAVES DE BOCAS ABERTAS

Chave de bocas duplas



6M

	€		
4x5 mm	5,74	10	6M-4-5
4,5x5,5 mm	7,36	10	6M-4,5-5,5
5x5,5 mm	7,43	10	6M-5-5,5

	€		
5,5x7 mm	5,75	10	6M-5,5-7
6x7 mm	5,75	10	6M-6-7
7x8 mm	6,10	10	6M-7-8
8x9 mm	5,78	10	6M-8-9
8x10 mm	6,22	10	6M-8-10
10x11 mm	6,29	10	6M-10-11
10x13 mm	7,73	10	6M-10-13
12x13 mm	7,66	10	6M-12-13
12x14 mm	8,19	10	6M-12-14
13x14 mm	8,12	10	6M-13-14
13x15 mm	9,01	10	6M-13-15
13x16 mm	9,76	10	6M-13-16
13x17 mm	9,57	10	6M-13-17
14x15 mm	8,12	10	6M-14-15
14x17 mm	9,42	10	6M-14-17
16x17 mm	9,42	10	6M-16-17
16x18 mm	10,30	10	6M-16-18
17x19 mm	10,61	10	6M-17-19
18x19 mm	10,61	10	6M-18-19
19x22 mm	12,83	10	6M-19-22
19x24 mm	13,62	10	6M-19-24
20x22 mm	12,58	10	6M-20-22
21x23 mm	13,70	10	6M-21-23
21x24 mm	15,13	10	6M-21-24
22x24 mm	13,68	10	6M-22-24
24x26 mm	15,92	10	6M-24-26
24x27 mm	16,23	10	6M-24-27
24x30 mm	18,78	5	6M-24-30
25x28 mm	18,50	5	6M-25-28
27x29 mm	22,03	5	6M-27-29
27x30 mm	22,98	5	6M-27-30
27x32 mm	25,14	5	6M-27-32
30x32 mm	24,84	5	6M-30-32
30x36 mm	41,34	5	6M-30-36
32x36 mm	43,47	5	6M-32-36
34x36 mm	45,63	1	6M-34-36
36x41 mm	49,55	1	6M-36-41
38x42 mm	58,91	1	6M-38-42
41x46 mm	69,73	1	6M-41-46
46x50 mm	90,91	1	6M-46-50
4x5 mm	10,13	1	SB6M-4-5
6x7 mm	8,51	1	SB6M-6-7
8x9 mm	7,92	1	SB6M-8-9
10x11 mm	8,42	1	SB6M-10-11
12x13 mm	9,58	1	SB6M-12-13
14x15 mm	10,08	1	SB6M-14-15
16x17 mm	11,16	1	SB6M-16-17
17x19 mm	11,85	1	SB6M-17-19
18x19 mm	11,97	1	SB6M-18-19
20x22 mm	14,36	1	SB6M-20-22
21x23 mm	15,53	1	SB6M-21-23
22x24 mm	14,89	1	SB6M-22-24
24x26 mm	17,65	1	SB6M-24-26
24x27 mm	17,97	1	SB6M-24-27
25x28 mm	19,11	1	SB6M-25-28
27x29 mm	23,23	1	SB6M-27-29
30x32 mm	25,93	1	SB6M-30-32

Chave de bocas duplas



6Z

	€		
1/4x5/16 in	5,90	5	6Z-1/4-5/16
5/16x11/32 in	5,90	5	6Z-5/16-11/32
3/8x7/16 in	6,60	5	6Z-3/8-7/16
7/16x1/2 in	7,88	5	6Z-7/16-1/2
1/2x9/16 in	8,35	5	6Z-1/2-9/16
9/16x5/8 in	8,35	5	6Z-9/16-5/8
19/32x11/16 in	10,48	5	6Z-19/32-11/16
5/8x3/4 in	10,88	5	6Z-5/8-3/4
11/16x3/4 in	10,88	5	6Z-11/16-3/4
3/4x7/8 in	12,97	5	6Z-3/4-7/8
25/32x13/16 in	14,98	5	6Z-25/32-13/16
13/16x7/8 in	12,97	5	6Z-13/16-7/8
7/8x15/16 in	16,77	5	6Z-7/8-15/16
15/16x1 in	16,40	5	6Z-15/16-1
1x1.1/8 in	18,99	1	6Z-1-1.1/8
1.1/16x1.1/4 in	25,15	1	6Z-1.1/16-1.1/4
1.1/4x1.3/8 in	43,67	1	6Z-1.1/4-1.3/8

Chave de bocas duplas, Liliput



1931M

	€		
4 mm	10,19	5	1931M-4
4.5 mm	10,19	5	1931M-4.5
5 mm	10,19	5	1931M-5
5.5 mm	10,19	5	1931M-5.5
6 mm	10,19	5	1931M-6
7 mm	10,19	5	1931M-7
8 mm	10,62	5	1931M-8
9 mm	11,51	5	1931M-9
10 mm	11,96	5	1931M-10
11 mm	12,85	5	1931M-11
12 mm	12,85	5	1931M-12
13 mm	12,85	5	1931M-13
14 mm	13,71	5	1931M-14
17 mm	18,15	5	1931M-17

Chave de bocas duplas, Liliput



1931Z

		€		
1/8 in	74 mm	16,39	5	1931Z-1/8
5/32 in	80 mm	10,62	5	1931Z-5/32
3/16 in	80 mm	10,62	5	1931Z-3/16
13/64 in	80 mm	10,62	5	1931Z-13/64
7/32 in	80 mm	10,62	5	1931Z-7/32
15/64x1/4 in	84 mm	18,32	5	1931Z-15/64-1/4
1/4 in	80 mm	10,62	5	1931Z-1/4
9/32 in	90 mm	11,06	5	1931Z-9/32
9/32x5/16 in	94 mm	17,28	5	1931Z-9/32-5/16
5/16 in	90 mm	11,96	5	1931Z-5/16
11/32 in	105 mm	12,40	5	1931Z-11/32
11/32x3/8 in	94 mm	19,48	5	1931Z-11/32-3/8
3/8 in	105 mm	12,85	5	1931Z-3/8
7/16 in	120 mm	13,71	5	1931Z-7/16
1/2 in	120 mm	13,71	5	1931Z-1/2
9/16 in	130 mm	14,63	5	1931Z-9/16
5/8 in	130 mm	16,81	5	1931Z-5/8

Chave de bocas duplas



895M

		€		
6x7 mm	96 mm	3,66	10	895M-6-7
8x9 mm	109 mm	3,31	10	895M-8-9
8x10 mm	115 mm	3,31	10	895M-8-10
10x11 mm	124 mm	3,62	10	895M-10-11
10x13 mm	110 mm	3,62	10	895M-10-13
13x17 mm	155 mm	4,35	10	895M-13-17
17x19 mm	172 mm	5,36	10	895M-17-19
19x22 mm	195 mm	6,57	10	895M-19-22
19x24 mm	206 mm	7,51	5	895M-19-24
22x24 mm	220 mm	7,87	5	895M-22-24
24x27 mm	244 mm	10,44	5	895M-24-27
24x30 mm	265 mm	12,39	5	895M-24-30
27x32 mm	270 mm	15,00	5	895M-27-32
30x32 mm	275 mm	15,79	5	895M-30-32
30x36 mm	305 mm	21,14	1	895M-30-36
32x36 mm	307 mm	21,14	1	895M-32-36
36x41 mm	345 mm	29,27	1	895M-36-41
41x46 mm	381 mm	35,62	1	895M-41-46
46x50 mm	420 mm	42,80	1	895M-46-50
50x55 mm	460 mm	56,43	1	895M-50-55
55x60 mm	500 mm	71,18	1	895M-55-60
65x70 mm	580 mm	140,09	1	895M-65-70

Conjunto de chaves de bocas, metrico, recipiente plástico



6M/SH

	€		
8	82,82	1	6M/SH8

recipiente plástico

6M-6-7, 6M-8-9, 6M-10-11, 6M-12-13, 6M-14-15, 6M-16-17, 6M-18-19, 6M-20-22

Jogo de chaves de bocas duplas, métrico. Suporte de plástico



6M/SH12

	€		
12	153,03	1	6M/SH12

Suporte de plástico

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

Conjunto de chaves de bocas, metrico, caixa de cartão



6M/S

	€		
8	66,59	1	6M/S8

caixa de cartão

6M-6-7, 6M-8-9, 6M-10-11, 6M-12-13, 6M-14-15, 6M-16-17, 6M-18-19, 6M-20-22



Jogos de chaves de bocas duplas



6M/

	€		
6	44,14	1	6M/6C

6M-6-7, 6M-8-9, 6M-10-11, 6M-12-13, 6M-14-15, 6M-16-17

Jogo de chaves de bocas duplas, métrico



6M/8C

	€		
8	67,89	1	6M/8C

6M-6-7, 6M-8-9, 6M-10-11, 6M-12-13, 6M-14-15, 6M-16-17, 6M-18-19, 6M-20-22

Jogo de chaves de bocas duplas, métrico



6M/10C

	€		
10	98,26	1	6M/10C

6M-6-7, 6M-8-9, 6M-10-11, 6M-12-13, 6M-14-15, 6M-16-17, 6M-18-19, 6M-20-22, 6M-24-27, 6M-30-32

Jogo de chaves de bocas duplas, métrico



6M/12C

	€		
12	142,93	1	6M/12C

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

Jogo de chaves de bocas duplas



6Z/

	€		
8	79,00	1	6Z/8C

6Z-1/4-5/16, 6Z-3/8-7/16, 6Z-5/16-11/32, 6Z-1/2-9/16, 6Z-19/32-11/16, 6Z-5/8-3/4, 6Z-13/16-7/8, 6Z-15/16-1

Jogos de chaves de bocas duplas, Liliput



1931M/

	€		
10	114,66	1	1931M/10T

1931M-4, 1931M-4.5, 1931M-5, 1931M-5.5, 1931M-6, 1931M-7, 1931M-8, 1931M-9, 1931M-10, 1931M-11

Jogos de chaves de bocas duplas, Liliput



1931Z/

	€		
12	148,23	1	1931Z/12T

1931Z-5/32, 1931Z-9/32, 1931Z-5/16, 1931Z-11/32, 1931Z-3/8, 1931Z-3/16, 1931Z-7/32, 1931Z-1/4, 1931Z-7/16, 1931Z-1/2, 1931Z-5/8, 1931Z-9/16

Jogo de chaves de bocas duplas, Electronica



1933M/

	€		
6	61,84	1	1933M/6T

4x4, 4.5x4.5, 5x5, 5.5x5.5, 6x6, 7x7

Chave magnética com anel



3280M/

	€		
8	17,91	1	3280M

4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5 mm

Chave de porcas ajustáveis de 1/4", de bocas



677-

		€		
7 mm	1/4 in	34,45	1	677-7
8 mm	1/4 in	34,45	1	677-8
9 mm	1/4 in	34,45	1	677-9
10 mm	1/4 in	34,45	1	677-10
13 mm	1/4 in	34,45	1	677-13
3/8 in	1/4 in	34,08	1	677-3/8

Chave de porcas ajustáveis de 3/8", de bocas



747-

		€		
10 mm	3/8 in	34,63	1	747-10
11 mm	3/8 in	36,21	1	747-11
12 mm	3/8 in	33,56	1	747-12
13 mm	3/8 in	33,56	1	747-13
14 mm	3/8 in	31,18	1	747-14
15 mm	3/8 in	39,99	1	747-15
16 mm	3/8 in	40,72	1	747-16
17 mm	3/8 in	37,60	1	747-17
18 mm	3/8 in	44,25	1	747-18
19 mm	3/8 in	37,60	1	747-19
20 mm	3/8 in	50,80	1	747-20
21 mm	3/8 in	50,80	1	747-21
22 mm	3/8 in	50,80	1	747-22
23 mm	3/8 in	51,41	1	747-23
24 mm	3/8 in	51,93	1	747-24
25 mm	3/8 in	52,23	1	747-25
26 mm	3/8 in	52,69	1	747-26
27 mm	3/8 in	51,41	1	747-27
28 mm	3/8 in	55,69	1	747-28
30 mm	3/8 in	51,41	1	747-30
32 mm	3/8 in	51,41	1	747-32
34 mm	3/8 in	56,08	1	747-34
36 mm	3/8 in	63,49	1	747-36
40 mm	3/8 in	78,58	1	747-40
41 mm	3/8 in	91,78	1	747-41

		€		
42 mm	3/8 in	91,78	1	747-42
46 mm	3/8 in	108,74	1	747-46
50 mm	3/8 in	108,74	1	747-50
3/8 in	3/8 in	33,33	1	747-3/8
7/16 in	3/8 in	34,81	1	747-7/16
1/2 in	3/8 in	34,08	1	747-1/2
9/16 in	3/8 in	34,09	1	747-9/16
5/8 in	3/8 in	40,61	1	747-5/8
11/16 in	3/8 in	40,61	1	747-11/16
3/4 in	3/8 in	40,61	1	747-3/4
13/16 in	3/8 in	44,25	1	747-13/16
7/8 in	3/8 in	51,41	1	747-7/8
15/16 in	3/8 in	51,41	1	747-15/16
1 in	3/8 in	51,41	1	747-1
1.1/16 in	3/8 in	51,41	1	747-1.1/16
1.1/8 in	3/8 in	49,54	1	747-1.1/8
1.3/16 in	3/8 in	51,41	1	747-1.3/16
1.1/4 in	3/8 in	51,41	1	747-1.1/4
1.5/16 in	3/8 in	52,69	1	747-1.5/16
1.3/8 in	3/8 in	51,41	1	747-1.3/8
1.7/16 in	3/8 in	63,49	1	747-1.7/16
1.1/2 in	3/8 in	63,49	1	747-1.1/2
1.9/16 in	3/8 in	65,40	1	747-1.9/16
1.5/8 in	3/8 in	85,49	1	747-1.5/8
1.11/16 in	3/8 in	89,89	1	747-1.11/16
1.3/4 in	3/8 in	94,93	1	747-1.3/4
1.13/16 in	3/8 in	103,08	1	747-1.13/16
1.7/8 in	3/8 in	103,08	1	747-1.7/8
1.15/16 in	3/8 in	103,18	1	747-1.15/16
2 in	3/8 in	106,23	1	747-2
2.1/16 in	3/8 in	107,88	1	747-2.1/16
2.1/8 in	3/8 in	137,02	1	747-2.1/8
2.3/16 in	3/8 in	140,79	1	747-2.3/16
2.1/4 in	3/8 in	140,79	1	747-2.1/4
2.5/16 in	3/8 in	140,79	1	747-2.5/16
2.3/8 in	3/8 in	147,99	1	747-2.3/8
2.7/16 in	3/8 in	158,16	1	747-2.7/16
2.1/2 in	3/8 in	158,16	1	747-2.1/2
2.9/16 in	3/8 in	158,16	1	747-2.9/16
2.5/8 in	3/8 in	164,81	1	747-2.5/8
2.3/4 in	3/8 in	164,81	1	747-2.3/4
2.7/8 in	3/8 in	206,68	1	747-2.7/8

Chave de porcas ajustáveis de 1/2", de bocas



787-

		€		
1.1/16 in	1/2 in	51,41	1	787-1.1/16
1.1/8 in	1/2 in	51,41	1	787-1.1/8
1.3/16 in	1/2 in	57,68	1	787-1.3/16
1.1/4 in	1/2 in	57,68	1	787-1.1/4
1.5/16 in	1/2 in	57,68	1	787-1.5/16
1.3/8 in	1/2 in	62,71	1	787-1.3/8
1.7/16 in	1/2 in	63,97	1	787-1.7/16
1.1/2 in	1/2 in	64,62	1	787-1.1/2
1.5/8 in	1/2 in	70,87	1	787-1.5/8

		€		
1.11/16 in	1/2 in	144,29	1	787-1.11/16
1.3/4 in	1/2 in	144,29	1	787-1.3/4
1.13/16 in	1/2 in	144,29	1	787-1.13/16
1.7/8 in	1/2 in	156,82	1	787-1.7/8
2 in	1/2 in	156,82	1	787-2
2.1/8 in	1/2 in	175,58	1	787-2.1/8
2.3/16 in	1/2 in	175,58	1	787-2.3/16
2.1/4 in	1/2 in	188,09	1	787-2.1/4
2.3/8 in	1/2 in	200,71	1	787-2.3/8

Chave de boca simple



894M

	L	€		
7 mm	78 mm	3,62	10	894M-7
8 mm	94 mm	3,62	10	894M-8
9 mm	100 mm	3,72	10	894M-9
10 mm	106 mm	3,62	10	894M-10
11 mm	112 mm	3,72	10	894M-11
12 mm	125 mm	3,72	10	894M-12
13 mm	125 mm	3,72	10	894M-13
14 mm	140 mm	4,35	10	894M-14
15 mm	140 mm	4,51	10	894M-15
16 mm	140 mm	4,82	10	894M-16
17 mm	158 mm	3,72	10	894M-17
19 mm	171 mm	5,04	10	894M-19
21 mm	195 mm	5,42	5	894M-21
22 mm	195 mm	6,28	5	894M-22
24 mm	216 mm	7,57	5	894M-24
27 mm	240 mm	8,65	5	894M-27
30 mm	262 mm	10,19	5	894M-30
32 mm	274 mm	11,49	5	894M-32
34 mm	274 mm	19,10	1	894M-34
36 mm	303 mm	14,93	5	894M-36
38 mm	305 mm	23,29	1	894M-38
41 mm	343 mm	23,70	1	894M-41
46 mm	378 mm	26,81	1	894M-46
50 mm	413 mm	33,58	1	894M-50
55 mm	457 mm	39,68	1	894M-55
60 mm	492 mm	55,91	1	894M-60
65 mm	528 mm	67,08	1	894M-65
70 mm	573 mm	78,34	1	894M-70
75 mm	608 mm	134,91	1	894M-75
80 mm	644 mm	159,27	1	894M-80
85 mm	690 mm	194,40	1	894M-85
90 mm	690 mm	217,42	1	894M-90
95 mm	850 mm	330,74	1	894M-95
100 mm	1000 mm	337,16	1	894M-100
105 mm	1000 mm	440,39	1	894M-105
110 mm	1000 mm	492,10	1	894M-110
115 mm	1000 mm	558,16	1	894M-115
120 mm	1000 mm	587,07	1	894M-120
125 mm	1000 mm	677,42	1	894M-125
130 mm	1000 mm	701,80	1	894M-130
135 mm	1000 mm	786,83	1	894M-135



Chave de extremidade aberta para andaime métrico com acabamento em fosfato



SC335M

		€		
17 mm	320 mm	10,74	1	SC335M-17
19 mm	350 mm	15,60	1	SC335M-19
22 mm	350 mm	21,06	1	SC335M-22
24 mm	370 mm	22,97	1	SC335M-24
32 mm	400 mm	40,08	1	SC335M-32
36 mm	430 mm	45,53	1	SC335M-36
41 mm	470 mm	61,59	1	SC335M-41
46 mm	500 mm	77,74	1	SC335M-46

CHAVE DE LUNETA

Chave de luneta dupla, offset



2M

		€		
6x7 mm	165 mm	10,96	5	2M-6-7
8x9 mm	180 mm	12,00	5	2M-8-9
8x10 mm	180 mm	13,92	5	2M-8-10
10x11 mm	190 mm	12,70	5	2M-10-11
10x13 mm	190 mm	16,10	5	2M-10-13
12x13 mm	210 mm	13,65	5	2M-12-13
13x17 mm	243 mm	14,89	5	2M-13-17
14x15 mm	226 mm	14,47	5	2M-14-15
16x17 mm	246 mm	17,29	5	2M-16-17
16x18 mm	246 mm	20,66	5	2M-16-18
17x19 mm	266 mm	20,15	5	2M-17-19
18x19 mm	266 mm	20,15	5	2M-18-19
19x22 mm	291 mm	23,83	5	2M-19-22
20x22 mm	291 mm	24,72	5	2M-20-22
21x23 mm	306 mm	26,39	5	2M-21-23
22x24 mm	306 mm	28,79	5	2M-22-24
24x26 mm	326 mm	32,63	5	2M-24-26
24x27 mm	326 mm	33,13	5	2M-24-27
25x28 mm	336 mm	38,05	5	2M-25-28
27x29 mm	351 mm	39,13	5	2M-27-29
27x30 mm	351 mm	46,54	5	2M-27-30
27x32 mm	353 mm	46,54	5	2M-27-32

		€		
30x32 mm	362 mm	46,40	5	2M-30-32
32x36 mm	402 mm	68,17	1	2M-32-36
36x41 mm	438 mm	80,96	1	2M-36-41
41x46 mm	485 mm	107,02	1	2M-41-46
46x50 mm	535 mm	132,09	1	2M-46-50

Chave de luneta dupla, offset



2Z

		€		
1/4x5/16 in	165 mm	12,52	1	2Z-1/4-5/16
5/16x3/8 in	180 mm	12,23	1	2Z-5/16-3/8
3/8x7/16 in	190 mm	13,99	1	2Z-3/8-7/16
1/2x9/16 in	210 mm	13,88	1	2Z-1/2-9/16
9/16x5/8 in	225.8 mm	14,89	1	2Z-9/16-5/8
5/8x11/16 in	245.5 mm	17,74	1	2Z-5/8-11/16
3/4x7/8 in	290.5 mm	23,83	1	2Z-3/4-7/8
13/16x7/8 in	290.5 mm	23,83	1	2Z-13/16-7/8
15/16x1 in	325.8 mm	32,81	1	2Z-15/16-1
1x1 1/8 in	335.9 mm	38,88	1	2Z-1-1.1/8
1 1/16x1 1/4 in	353 mm	43,02	1	2Z-1.1/16-1.1/4

Chave de luneta dupla



1300Z

		€		
1/4x5/16 in	156 mm	27,36	1	1300Z-1/4-5/16*
3/8x7/16 in	193 mm	27,36	1	1300Z-3/8-7/16*
1/2x9/16 in	220 mm	30,06	1	1300Z-1/2-9/16*
19/32x11/16 in	258 mm	34,65	1	1300Z-19/32-11/16*
5/8x3/4 in	278 mm	36,90	1	1300Z-5/8-3/4*
25/32x13/16 in	300 mm	51,01	1	1300Z-25/32-13/16*
7/8x15/16 in	334 mm	42,24	1	1300Z-7/8-15/16*
15/16x1 in	352 mm	55,03	1	1300Z-15/16-1*
1x1.1/8 in	380 mm	71,76	1	1300Z-1-1.1/8*

Conjunto chaves luneta offset, métricas



2M/S

	€			
8	124,44	1	2M/S8	

2M-6-7, 2M-8-9, 2M-10-11, 2M-12-13, 2M-14-15, 2M-16-17, 2M-18-19, 2M-20-22

Conjunto chaves luneta offset, métricas



2M/T

	€			
8	128,85	1	2M/8T	

2M-6-7, 2M-8-9, 2M-10-11, 2M-12-13, 2M-14-15, 2M-16-17, 2M-18-19, 2M-20-22

Jogo de chaves de luneta dupla, métrico



2M/10T

	€			
10	190,58	1	2M/10T	

2M-6-7, 2M-8-9, 2M-10-11, 2M-12-13, 2M-14-15, 2M-16-17, 2M-18-19, 2M-20-22, 2M-21-23, 2M-24-27

Conjunto de chaves de luneta dupla, offset, métrico



2M/12T

	€		
12	273,89	1	2M/12T

2M-6-7, 2M-8-9, 2M-10-11, 2M-12-13, 2M-14-15, 2M-16-17, 2M-18-19, 2M-20-22, 2M-21-23, 2M-24-27, 2M-25-28, 2M-30-32

Conjunto chaves luneta offset , polegadas



2Z/7T

	€		
7	114,27	1	2Z/7T

2Z-1/4-5/16, 2Z-5/16-3/8, 2Z-3/8-7/16, 2Z-1/2-9/16, 2Z-9/16-5/8, 2Z-5/8-11/16, 2Z-3/4-7/8

Chave de luneta direita



4M

	€		
6x7 mm	10,29	10	4M-6-7
8x 9 mm	10,63	10	4M-8-9
10x11 mm	11,82	10	4M-10-11
12x13 mm	12,92	10	4M-12-13

	L	€		
14x15 mm	155 mm	14,16	10	4M-14-15
16x17 mm	170 mm	15,22	10	4M-16-17
17x19 mm	170 mm	15,83	10	4M-17-19
18x19 mm	185 mm	15,83	10	4M-18-19
20x22 mm	205 mm	18,28	10	4M-20-22
21x23 mm	225 mm	20,02	5	4M-21-23
24x26 mm	250 mm	22,46	1	4M-24-26
24x27 mm	255 mm	22,46	1	4M-24-27
25x28 mm	275 mm	25,37	1	4M-25-28
27x29 mm	275 mm	30,43	1	4M-27-29
30x32 mm	300 mm	31,99	1	4M-30-32

Chave de luneta dupla, série longa, polegadas



44Z

	L	€		
1/4x5/16 in	197 mm	22,55	10	44Z-1/4-5/16
5/16x3/8 in	238 mm	22,55	10	44Z-5/16-3/8
3/8x7/16 in	284 mm	25,98	10	44Z-3/8-7/16
7/16x1/2 in	326 mm	30,15	10	44Z-7/16-1/2
1/2x9/16 in	358 mm	35,78	10	44Z-1/2-9/16
5/8x3/4 in	401 mm	44,28	5	44Z-5/8-3/4
11/16x3/4 in	401 mm	44,28	5	44Z-11/16-3/4
11/16x13/16 in	410 mm	55,56	5	44Z-11/16-13/16

Chave de luneta curva



1943M

	L	€		
11x13 mm	150 mm	28,83	1	1943M-11-13*
13x15 mm	185 mm	30,71	1	1943M-13-15*
13x17 mm	185 mm	32,42	1	1943M-13-17*
14x17 mm	185 mm	33,05	1	1943M-14-17*
15x17 mm	185 mm	33,38	1	1943M-15-17*
19x22 mm	235 mm	35,37	1	1943M-19-22*

Chave tubular em meia-lua, polegadas



1943Z

	L	€		
5/16x3/8 in	153 mm	31,44	1	1943Z-5/16-3/8*
7/16x1/2 in	153 mm	31,44	1	1943Z-7/16-1/2*
9/16x5/8 in	186 mm	32,96	1	1943Z-9/16-5/8*
5/8x3/4 in	233 mm	32,96	1	1943Z-5/8-3/4*
11/16x13/16 in	233 mm	37,00	1	1943Z-11/16-13/16*

Jogos de chaves de luneta direita



4M/T

	€		
10	188,79	1	4M/10T

4M-6-7, 4M-8-9, 4M-10-11, 4M-12-13, 4M-14-15, 4M-16-17, 4M-18-19, 4M-20-22, 4M-24-27, 4M-30-32

Conjunto chaves luneta planas, métrica



4M/C

	€		
10	169,98	1	4M/10C

4M-6-7, 4M-8-9, 4M-10-11, 4M-12-13, 4M-14-15, 4M-16-17, 4M-18-19, 4M-20-22, 4M-21-23, 4M-24-27

* Até esgotar o stock



Jogo de chaves de boca, métrico



4M/12C

	€		
12	228,23	1	4M/12C

4M-6-7, 4M-8-9, 4M-10-11, 4M-12-13, 4M-14-15, 4M-16-17, 4M-18-19, 4M-20-22, 4M-21-23, 4M-24-27, 4M-25-28, 4M-30-32

Conjunto 8 chaves luneta planas



4M/

	€		
8	126,87	1	4M/8

4M-6-7, 4M-8-9, 4M-10-11, 4M-12-13, 4M-14-15, 4M-16-17, 4M-18-19, 4M-20-22

CHAVE DE LUNETA ABERTA

Chave de luneta aberta



1949M

	€		
8x 9 mm	140 mm	24,51	1 1949M-8-9
10x11 mm	150 mm	24,51	1 1949M-10-11
10x12 mm	150 mm	25,43	1 1949M-10-12

		€		
12x13 mm	170 mm	26,19	1	1949M-12-13
12x14 mm	170 mm	27,48	1	1949M-12-14
14x15 mm	170 mm	27,48	1	1949M-14-15
14x17 mm	200 mm	27,48	1	1949M-14-17
17x19 mm	210 mm	37,56	1	1949M-17-19
19x22 mm	220 mm	37,56	1	1949M-19-22
22x24 mm	235 mm	42,98	1	1949M-22-24
24x27 mm	255 mm	54,33	1	1949M-24-27
30x32 mm	280 mm	67,25	1	1949M-30-32

Chave de luneta aberta



1949Z

		€		
3/8x7/16 in	150 mm	26,40	1	1949Z-3/8-7/16
1/2x9/16 in	170 mm	29,64	1	1949Z-1/2-9/16
5/8x3/4 in	210 mm	33,21	1	1949Z-5/8-3/4
3/4x7/8 in	220 mm	35,84	1	1949Z-3/4-7/8
1x1 1/8 in	255 mm	59,82	1	1949Z-1-1.1/8

Chave de porcas ajustável de 1/4"



679-

		€		
7 mm	1/4 in	47,53	1	679-7
8 mm	1/4 in	47,53	1	679-8
9 mm	1/4 in	48,53	1	679-9
10 mm	1/4 in	52,85	1	679-10
11 mm	1/4 in	47,53	1	679-11
12 mm	1/4 in	53,28	1	679-12
13 mm	1/4 in	53,54	1	679-13
14 mm	1/4 in	57,65	1	679-14
3/8 in	1/4 in	45,25	1	679-3/8
7/16 in	1/4 in	45,25	1	679-7/16
1/2 in	1/4 in	45,25	1	679-1/2
9/16 in	1/4 in	45,25	1	679-9/16

Chave de porcas ajustável de 3/8"



749-

		€		
10 mm	3/8 in	16,53	10	749-10
11 mm	3/8 in	16,53	10	749-11
13 mm	3/8 in	16,53	10	749-13
14 mm	3/8 in	17,95	10	749-14
15 mm	3/8 in	60,98	1	749-15
16 mm	3/8 in	54,06	1	749-16
17 mm	3/8 in	68,04	1	749-17
18 mm	3/8 in	54,06	1	749-18
19 mm	3/8 in	68,04	1	749-19
20 mm	3/8 in	56,57	1	749-20
21 mm	3/8 in	69,44	1	749-21
22 mm	3/8 in	69,44	1	749-22
23 mm	3/8 in	62,24	1	749-23
24 mm	3/8 in	63,05	1	749-24
25 mm	3/8 in	63,49	1	749-25
26 mm	3/8 in	78,67	1	749-26
27 mm	3/8 in	77,61	1	749-27
3/8 in	3/8 in	52,79	1	749-3/8
7/16 in	3/8 in	52,79	1	749-7/16
1/2 in	3/8 in	53,75	1	749-1/2
9/16 in	3/8 in	56,72	1	749-9/16
5/8 in	3/8 in	56,96	1	749-5/8
11/16 in	3/8 in	56,96	1	749-11/16
3/4 in	3/8 in	56,96	1	749-3/4
13/16 in	3/8 in	56,96	1	749-13/16
7/8 in	3/8 in	56,44	1	749-7/8
15/16 in	3/8 in	57,83	1	749-15/16
1 in	3/8 in	57,83	1	749-1
1.1/16 in	3/8 in	57,83	1	749-1.1/16
1.1/8 in	3/8 in	57,83	1	749-1.1/8
1.3/16 in	3/8 in	63,21	1	749-1.3/16
1.1/4 in	3/8 in	65,11	1	749-1.1/4*
1.5/16 in	3/8 in	86,43	1	749-1.5/16
1.3/8 in	3/8 in	89,42	1	749-1.3/8
1.7/16 in	3/8 in	91,18	1	749-1.7/16
1.1/2 in	3/8 in	106,11	1	749-1.1/2
1.9/16 in	3/8 in	108,20	1	749-1.9/16
1.5/8 in	3/8 in	112,66	1	749-1.5/8
1.11/16 in	3/8 in	112,66	1	749-1.11/16
1.3/4 in	3/8 in	127,24	1	749-1.3/4
1.13/16 in	3/8 in	130,52	1	749-1.13/16
1.7/8 in	3/8 in	130,52	1	749-1.7/8
1.15/16 in	3/8 in	140,08	1	749-1.15/16
2 in	3/8 in	144,85	1	749-2
2.1/8 in	3/8 in	151,39	1	749-2.1/8
2.3/16 in	3/8 in	151,39	1	749-2.3/16
2.1/4 in	3/8 in	151,39	1	749-2.1/4
2.3/8 in	3/8 in	158,58	1	749-2.3/8
2.5/8 in	3/8 in	177,04	1	749-2.5/8
2.3/4 in	3/8 in	177,04	1	749-2.3/4
3.1/8 in	3/8 in	253,32	1	749-3.1/8

Chave de porcas ajustável de 1/2"



789-

		€		
28 mm	1/2 in	66,64	1	789-28
30 mm	1/2 in	84,59	1	789-30
32 mm	1/2 in	88,83	1	789-32
34 mm	1/2 in	71,66	1	789-34
36 mm	1/2 in	95,91	1	789-36
38 mm	1/2 in	79,20	1	789-38
40 mm	1/2 in	89,27	1	789-40
41 mm	1/2 in	117,21	1	789-41
42 mm	1/2 in	89,27	1	789-42
46 mm	1/2 in	130,47	1	789-46
50 mm	1/2 in	116,29	1	789-50
1.1/8 in	1/2 in	57,83	1	789-1.1/8
1.1/4 in	1/2 in	62,86	1	789-1.1/4
1.5/16 in	1/2 in	66,64	1	789-1.5/16
1.3/8 in	1/2 in	66,64	1	789-1.3/8
1.7/16 in	1/2 in	72,28	1	789-1.7/16
1.1/2 in	1/2 in	72,28	1	789-1.1/2
1.9/16 in	1/2 in	82,96	1	789-1.9/16
1.5/8 in	1/2 in	82,96	1	789-1.5/8
1.3/4 in	1/2 in	96,16	1	789-1.3/4
1.13/16 in	1/2 in	96,16	1	789-1.13/16
2 in	1/2 in	104,33	1	789-2
2.1/4 in	1/2 in	116,92	1	789-2.1/4
2.5/16 in	1/2 in	140,79	1	789-2.5/16
2.3/8 in	1/2 in	145,83	1	789-2.3/8

Cabeça de chave ajustável 3/8"



1950MZ

	€		
0-29/0-1.1/8 in	81,31	1	1950MZ-3/8

CHAVES DE BOCAS

Chave de luneta de pancada



7444SG-M

	€		
24 mm	38,30	1	7444SG-M-24
27 mm	41,66	1	7444SG-M-27
30 mm	42,93	1	7444SG-M-30
32 mm	42,93	1	7444SG-M-32
34 mm	62,88	1	7444SG-M-34
36 mm	54,81	1	7444SG-M-36
38 mm	64,49	1	7444SG-M-38
41 mm	69,98	1	7444SG-M-41
42 mm	69,98	1	7444SG-M-42
46 mm	76,69	1	7444SG-M-46
50 mm	86,22	1	7444SG-M-50
55 mm	98,61	1	7444SG-M-55
60 mm	103,94	1	7444SG-M-60
65 mm	139,30	1	7444SG-M-65
70 mm	161,09	1	7444SG-M-70
75 mm	172,98	1	7444SG-M-75
80 mm	230,13	1	7444SG-M-80
85 mm	308,19	1	7444SG-M-85
90 mm	402,93	1	7444SG-M-90
95 mm	445,19	1	7444SG-M-95
100 mm	501,35	1	7444SG-M-100
105 mm	565,57	1	7444SG-M-105
110 mm	623,60	1	7444SG-M-110
115 mm	717,75	1	7444SG-M-115
120 mm	1.044,86	1	7444SG-M-120
125 mm	1.351,69	1	7444SG-M-125
130 mm	1.470,06	1	7444SG-M-130
135 mm	1.516,37	1	7444SG-M-135
140 mm	1.719,72	1	7444SG-M-140
145 mm	2.387,69	1	7444SG-M-145
150 mm	2.513,61	1	7444SG-M-150
155 mm	2.729,11	1	7444SG-M-155
160 mm	2.892,01	1	7444SG-M-160
165 mm	3.072,18	1	7444SG-M-165
170 mm	3.376,76	1	7444SG-M-170
175 mm	3.622,36	1	7444SG-M-175

Chave Luneta Pancada polegadas



7444SG-Z

	€		
1 1/16 in	45,83	1	7444SG-Z-1.1/16
1 1/8 in	47,22	1	7444SG-Z-1.1/8
1 3/16 in	47,22	1	7444SG-Z-1.3/16

	€		
1 1/4 in	47,22	1	7444SG-Z-1.1/4
1 5/16 in	69,20	1	7444SG-Z-1.5/16
1 3/8 in	69,20	1	7444SG-Z-1.3/8
1 7/16 in	69,20	1	7444SG-Z-1.7/16
1 1/2 in	67,19	1	7444SG-Z-1.1/2*
1 5/8 in	76,97	1	7444SG-Z-1.5/8
1 11/16 in	76,97	1	7444SG-Z-1.11/16
1 3/4 in	84,37	1	7444SG-Z-1.3/4
1 13/16 in	82,31	1	7444SG-Z-1.13/16*
1 7/8 in	94,83	1	7444SG-Z-1.7/8
2 in	94,83	1	7444SG-Z-2
2 1/16 in	108,48	1	7444SG-Z-2.1/16
2 1/8 in	114,36	1	7444SG-Z-2.1/8
2 3/16 in	114,36	1	7444SG-Z-2.3/16
2 1/4 in	114,36	1	7444SG-Z-2.1/4
2 3/8 in	141,25	1	7444SG-Z-2.3/8
2 9/16 in	177,21	1	7444SG-Z-2.9/16
2 5/8 in	177,21	1	7444SG-Z-2.5/8
2 3/4 in	177,21	1	7444SG-Z-2.3/4
3 in	190,28	1	7444SG-Z-3
3 1/8 in	293,92	1	7444SG-Z-3.1/8*
3 3/8 in	339,00	1	7444SG-Z-3.3/8
3 1/2 in	443,22	1	7444SG-Z-3.1/2
3 3/4 in	489,72	1	7444SG-Z-3.3/4
3 7/8 in	551,50	1	7444SG-Z-3.7/8
4 in	622,12	1	7444SG-Z-4
4 1/8 in	622,12	1	7444SG-Z-4.1/8
4 1/2 in	789,52	1	7444SG-Z-4.1/2

Chave de impacto



133SGM

	€		
27 mm	30,53	1	133SGM-27
30 mm	35,84	1	133SGM-30
32 mm	38,02	1	133SGM-32
36 mm	48,98	1	133SGM-36
41 mm	60,05	1	133SGM-41
46 mm	80,87	1	133SGM-46
50 mm	92,14	1	133SGM-50
55 mm	107,46	1	133SGM-55
60 mm	119,42	1	133SGM-60
65 mm	149,65	1	133SGM-65
70 mm	192,79	1	133SGM-70
75 mm	206,44	1	133SGM-75
80 mm	269,59	1	133SGM-80
85 mm	283,23	1	133SGM-85
90 mm	361,67	1	133SGM-90
95 mm	380,46	1	133SGM-95
100 mm	583,47	1	133SGM-100
105 mm	651,73	1	133SGM-105
110 mm	711,45	1	133SGM-110
115 mm	832,59	1	133SGM-115
120 mm	846,24	1	133SGM-120



Chave de Luneta de pancada 45°



315M

	€		
27 mm	79,64	1	315M-27
30 mm	81,16	1	315M-30
32 mm	79,64	1	315M-32
36 mm	110,25	1	315M-36
41 mm	113,34	1	315M-41
46 mm	147,05	1	315M-46
50 mm	165,40	1	315M-50
55 mm	189,92	1	315M-55
60 mm	245,04	1	315M-60
65 mm	278,73	1	315M-65
70 mm	324,69	1	315M-70
75 mm	336,95	1	315M-75
80 mm	389,00	1	315M-80

Chave Luneta de Pancada 45° Polegadas



315Z

	€		
1.1/16 in	73,51	1	315Z-1.1/16
1.1/8 in	73,51	1	315Z-1.1/8
1.3/16 in	76,59	1	315Z-1.3/16
1.1/4 in	79,64	1	315Z-1.1/4
1.5/16 in	82,71	1	315Z-1.5/16
1.3/8 in	104,13	1	315Z-1.3/8
1.7/16 in	97,75	1	315Z-1.7/16
1.1/2 in	99,47	1	315Z-1.1/2
1.5/8 in	116,41	1	315Z-1.5/8
1.11/16 in	119,48	1	315Z-1.11/16
1.3/4 in	128,66	1	315Z-1.3/4
1.13/16 in	131,70	1	315Z-1.13/16
1.7/8 in	140,90	1	315Z-1.7/8
1.15/16 in	143,94	1	315Z-1.15/16
2 mm	143,94	1	315Z-2
2.1/16 in	147,05	1	315Z-2.1/16
2.1/8 in	148,47	1	315Z-2.1/8
2.3/16 in	160,85	1	315Z-2.3/16
2.1/4 in	168,47	1	315Z-2.1/4
2.5/16 in	171,52	1	315Z-2.5/16
2.3/8 in	177,67	1	315Z-2.3/8
2.1/2 in	217,47	1	315Z-2.1/2
2.9/16 in	223,60	1	315Z-2.9/16

	€		
2.5/8 in	226,68	1	315Z-2.5/8
2.3/4 in	226,68	1	315Z-2.3/4
2.7/8 in	269,55	1	315Z-2.7/8
2.15/16 in	272,61	1	315Z-2.15/16
3 in	278,73	1	315Z-3
3.1/8 in	284,86	1	315Z-3.1/8

Chave de luneta curva para trabalhos pesados



310M

	€		
24 mm	59,26	1	310M-24
27 mm	59,26	1	310M-27
30 mm	59,26	1	310M-30
32 mm	62,91	1	310M-32
36 mm	71,96	1	310M-36
38 mm	86,58	1	310M-38
41 mm	88,43	1	310M-41
46 mm	98,59	1	310M-46
50 mm	118,72	1	310M-50
55 mm	132,88	1	310M-55
60 mm	163,46	1	310M-60
65 mm	184,83	1	310M-65
70 mm	201,48	1	310M-70
75 mm	219,78	1	310M-75
80 mm	241,44	1	310M-80
85 mm	259,77	1	310M-85
90 mm	516,19	1	310M-90
95 mm	559,48	1	310M-95

Cabo tubular



R310

	€		
24-30 mm	19 mm	45,21	1 R310-0
32-41 mm	22 mm	50,99	1 R310-1
46-55 mm	25 mm	75,57	1 R310-2
60-95 mm	30 mm	96,58	1 R310-3

CHAVES DE CAIXA

Chaves duplas de cachimbo



28M

	€		
6 mm	6 mm	15,57	5 28M-6
7 mm	7 mm	16,22	5 28M-7
8 mm	8 mm	13,35	5 28M-8
9 mm	9 mm	13,22	5 28M-9
10 mm	10 mm	13,95	5 28M-10
11 mm	11 mm	14,57	5 28M-11
12 mm	12 mm	15,45	5 28M-12
13 mm	13 mm	16,58	5 28M-13
14 mm	14 mm	19,00	5 28M-14
15 mm	15 mm	20,13	5 28M-15
16 mm	16 mm	21,23	5 28M-16
17 mm	17 mm	22,10	5 28M-17
18 mm	18 mm	26,66	3 28M-18
19 mm	19 mm	28,14	3 28M-19
20 mm	20 mm	30,16	3 28M-20
21 mm	21 mm	32,78	3 28M-21
22 mm	22 mm	38,07	3 28M-22
23 mm	23 mm	39,65	3 28M-23
24 mm	24 mm	42,01	3 28M-24
25 mm	25 mm	47,95	3 28M-25
26 mm	26 mm	52,08	3 28M-26
27 mm	27 mm	56,88	3 28M-27
28 mm	28 mm	65,49	1 28M-28
29 mm	29 mm	74,67	1 28M-29
30 mm	30 mm	84,75	1 28M-30
32 mm	32 mm	101,00	1 28M-32
6 mm	6 mm	12,30	10 SB28M-6
7 mm	7 mm	12,77	10 SB28M-7
8 mm	8 mm	13,36	10 SB28M-8
9 mm	9 mm	13,83	10 SB28M-9
10 mm	10 mm	14,56	10 SB28M-10
11 mm	11 mm	15,35	10 SB28M-11
12 mm	12 mm	16,25	10 SB28M-12
13 mm	13 mm	17,17	10 SB28M-13
14 mm	14 mm	20,11	10 SB28M-14
15 mm	15 mm	21,25	10 SB28M-15
16 mm	16 mm	22,39	5 SB28M-16
17 mm	17 mm	22,56	5 SB28M-17
18 mm	18 mm	27,90	5 SB28M-18
19 mm	19 mm	29,42	5 SB28M-19
20 mm	20 mm	31,45	4 SB28M-20
21 mm	21 mm	34,12	4 SB28M-21
22 mm	22 mm	39,53	4 SB28M-22
23 mm	23 mm	41,11	4 SB28M-23
24 mm	24 mm	43,53	4 SB28M-24

Chaves de Cachimbo, Milímetros.
hexagonal x hexagonal



29M

	€		
6 mm	15,57	5	29M-6
7 mm	16,22	5	29M-7
8 mm	13,96	5	29M-8
9 mm	13,86	5	29M-9
10 mm	13,95	5	29M-10
11 mm	14,47	5	29M-11
12 mm	15,68	5	29M-12
13 mm	16,26	5	29M-13
14 mm	19,00	5	29M-14
15 mm	20,13	5	29M-15
16 mm	21,23	5	29M-16
17 mm	21,42	5	29M-17
18 mm	26,66	3	29M-18
19 mm	28,14	3	29M-19
20 mm	30,16	3	29M-20
21 mm	32,78	3	29M-21
22 mm	38,07	3	29M-22
23 mm	39,65	3	29M-23
24 mm	42,01	3	29M-24
25 mm	47,95	3	29M-25
26 mm	52,08	3	29M-26
27 mm	56,88	3	29M-27
28 mm	65,49	1	29M-28
29 mm	74,67	1	29M-29
30 mm	84,75	1	29M-30
32 mm	101,00	1	29M-32

hexagonal x hexagonal

Jogos de chaves duplas de cachimbo



28M/

	€		
8	153,81	1	28M/8

28M-8, 28M-10, 28M-11, 28M-13, 28M-16, 28M-17, 28M-18, 28M-19

Jogo de chaves de caixa dupla



28M/11

	€		
11	211,20	1	28M/11

28M-8, 28M-9, 28M-10, 28M-11, 28M-13, 28M-12, 28M-14, 28M-15, 28M-17, 28M-19, 28M-22

Jogo de chaves de caixa dupla



28M/12

	€		
12	221,01	1	28M/12

28M-8, 28M-9, 28M-10, 28M-11, 28M-12, 28M-13, 28M-14, 28M-15, 28M-16, 28M-17, 28M-18, 28M-19

Jogo de chaves de caixa dupla



28M/15

	€		
15	333,89	1	28M/15

28M-8, 28M-9, 28M-10, 28M-11, 28M-12, 28M-13, 28M-14, 28M-15, 28M-16, 28M-17, 28M-18, 28M-19, 28M-21, 28M-22, 28M-24

Jogo Chaves Duplas de Cachimbo



29M/

	€		
8	167,64	1	29M/8

29M-8, 29M-10, 29M-12, 29M-13, 29M-14, 29M-17, 29M-19, 29M-22

Jogo de chaves de caixa dupla



29M/10

	€		
10	188,05	1	29M/10

29M-8, 29M-10, 29M-11, 29M-12, 29M-13, 29M-14, 29M-16, 29M-17, 29M-18, 29M-19

Conjunto de chaves de caixa dupla



29M/14

	€		
14	326,76	1	29M/14

29M-11, 29M-12, 29M-13, 29M-14, 29M-8, 29M-9, 29M-10, 29M-16, 29M-17, 29M-21, 29M-22, 29M-19, 29M-24, 29M-23



Chave tubular



1936M

	€		
6x7 mm	6,34	50	1936M-6-7
8x9 mm	7,35	5	1936M-8-9
8x10 mm	8,61	30	1936M-8-10
10x11 mm	8,61	25	1936M-10-11
10x13 mm	9,41	25	1936M-10-13
12x13 mm	9,41	25	1936M-12-13
13x17 mm	10,95	20	1936M-13-17
14x15 mm	9,93	20	1936M-14-15
14x17 mm	10,78	15	1936M-14-17
16x17 mm	10,78	15	1936M-16-17
17x19 mm	12,86	10	1936M-17-19
18x19 mm	12,86	10	1936M-18-19
19x22 mm	14,17	8	1936M-19-22
20x22 mm	14,31	8	1936M-20-22
21x23 mm	16,39	8	1936M-21-23
22x24 mm	17,32	5	1936M-22-24
24x26 mm	18,22	5	1936M-24-26
24x27 mm	18,22	5	1936M-24-27
25x28 mm	20,08	5	1936M-25-28
30x32 mm	23,60	1	1936M-30-32
30x34 mm	36,28	4	1936M-30-34
36x41 mm	36,56	4	1936M-36-41
46x50 mm	72,81	2	1936M-46-50

Chaves Tubulares Milímetros



27M

	€		
6x7 mm	14,01	10	27M-6-7
8x9 mm	14,16	10	27M-8-9
10x11 mm	15,04	10	27M-10-11
12x13 mm	17,75	10	27M-12-13
13x17* mm	23,66	10	27M-13-17
14x15 mm	19,84	10	27M-14-15
16x17* mm	23,02	10	27M-16-17
16x18* mm	24,49	10	27M-16-18
18x19* mm	27,50	10	27M-18-19
20x22* mm	31,38	10	27M-20-22
21x23* mm	34,89	5	27M-21-23
21x24* mm	36,45	5	27M-21-24
24x26* mm	37,27	5	27M-24-26
24x27* mm	37,92	5	27M-24-27

	€		
25x28* mm	42,87	5	27M-25-28
27x29* mm	48,95	5	27M-27-29
30x32* mm	54,86	5	27M-30-32
6x7 mm	15,22	10	SB27M-6-7
8x9 mm	15,38	10	SB27M-8-9
10x11 mm	16,25	10	SB27M-10-11
12x13 mm	19,00	10	SB27M-12-13
14x15 mm	21,06	10	SB27M-14-15
16x17* mm	24,27	10	SB27M-16-17
18x19* mm	28,74	10	SB27M-18-19
20x22* mm	32,56	10	SB27M-20-22
21x23* mm	36,09	5	SB27M-21-23
24x26* mm	40,06	5	SB27M-24-26

Jogos de chaves tubulares



1936M/

	€		
7	111,16	1	1936M/7

1936M-8-9, 1936M-10-11, 1936M-12-13, 1936M-14-15, 1936M-16-17, 1936M-18-19, 1936M-20-22

26S-610

Jogo de chaves de luneta, métrico



1936M/12

	€		
12	195,68	1	1936M/12

1936M-6-7, 1936M-8-9, 1936M-10-11, 1936M-12-13, 1936M-14-15, 1936M-16-17, 1936M-18-19, 1936M-20-22, 1936M-21-23, 1936M-24-27, 1936M-25-28, 1936M-30-32

26S-610, 26S-1216, 26S-16

Jogo de Chaves Tubulares métricas



27M/T

	€		
8	167,11	1	27M/8T

27M-6-7, 27M-8-9, 27M-10-11, 27M-12-13, 27M-14-15, 27M-16-17, 27M-18-19, 27M-20-22

Jogo de chaves de caixa dupla, métrico



27M/12T

	€		
12	339,18	1	27M/12T

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

Jogo Chaves Tubulares



27M/

	€		
6	103,83	1	27M/6

27M-6-7, 27M-8-9, 27M-10-11, 27M-12-13, 27M-14-15, 27M-16-17

Jogo de chaves de caixa dupla, métrico



27M/8

	€		
8	162,68	1	27M/8

27M-6-7, 27M-8-9, 27M-10-11, 27M-12-13, 27M-14-15, 27M-16-17, 27M-18-19, 27M-20-22



Jogo de chaves de caixa dupla, métrico



27M/10

	€		
10	234,82	1	27M/10

27M-6-7, 27M-8-9, 27M-10-11, 27M-12-13, 27M-14-15, 27M-16-17, 27M-18-19, 27M-20-22, 27M-21-23, 27M-24-26



Jogo de chaves de caixa dupla, métrico



27M/12

	€		
12	332,56	1	27M/12

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



Passador escalonado



26S

	€		
6 8 10 mm	11,97	10	26S-610
12 14 mm	27,95	8	26S-1216
16 mm	7,97	5	26S-16

Chaves tubulares duplas, articuladas



4040M

	€		
6x7 mm	41,12	1	4040M-6-7
8x9 mm	42,12	1	4040M-8-9
10x11 mm	43,03	1	4040M-10-11
10x13 mm	47,80	1	4040M-10-13
12x13 mm	44,81	1	4040M-12-13
13x17 mm	45,58	1	4040M-13-17*
14x15 mm	46,99	1	4040M-14-15
16x17 mm	51,27	1	4040M-16-17
16x18 mm	51,52	1	4040M-16-18*
18x19 mm	58,43	1	4040M-18-19
20x22 mm	67,71	1	4040M-20-22*
21x23 mm	70,54	1	4040M-21-23*
24x27 mm	75,70	1	4040M-24-27

Chaves tubulares duplas articuladas, métrico



4040M/S6

	€		
6	299,28	1	4040M/S6

4040M-8-9, 4040M-10-11, 4040M-12-13, 4040M-14-15, 4040M-16-17, 4040M-18-19



Jogos de chaves tubulares duplas articuladas



4040M/6T

	€		
6	281,96	1	4040M/6T

4040M-8-9, 4040M-10-11, 4040M-12-13, 4040M-14-15, 4040M-16-17, 4040M-18-19



CHAVES MULTIFUNÇÕES



Chave tubular dupla articulada



4040Z

	€		
3/8x7/16 in	40,53	1	4040Z-3/8-7/16*
1/2x9/16 in	45,01	1	4040Z-1/2-9/16*
5/8x11/16 in	47,98	1	4040Z-5/8-11/16*
5/8x3/4 in	51,21	1	4040Z-5/8-3/4*
13/16x7/8 in	58,83	1	4040Z-13/16-7/8*



MK5

	€		
97x25 mm	29,01	1	MK5

PROFILES: Square: 5,6,7-8mm Triangular: 9mm Two-way-key: 3-5mm





MK9

	€		
95x95 mm	44,23	25	MK9

Square: 5,6,7-8,9-10mm Triangular: 7,8-9,10-11mm Two-way-key: 3-5mm Half-moon: 6mm

CHAVES DE BOCAS DE GANCHO

Chave de gancho para porcas com furos laterais



4106

	€		
19-50 mm	28,88	10	4106-19-50
32-75 mm	42,11	25	4106-32-75
50-120 mm	43,07	25	4106-50-120
115-165 mm	41,62	25	4106-115-165
150-230 mm	93,02	10	4106-150-230

Chave de gancho para porcas com furos laterais



40B

	€		
19-50 mm	25,58	25	40B-19-50
32-75 mm	37,44	25	40B-32-75
50-120 mm	47,22	25	40B-50-120
115-165 mm	64,20	25	40B-115-165
150-230 mm	65,27	10	40B-150-230
165-230 mm	100,89	1	40B-165-230*

Pino de substituição para chaves de gancho de pinos ajustáveis



40B-SP

	€		
40B-19-50	3,81	1	40B-19-50-SP
40B-32-75	3,81	1	40B-32-75-SP
40B-50-120	4,51	1	40B-50-120-SP
40B-115-165	4,51	1	40B-115-165-SP

Chave com esporões ajustáveis



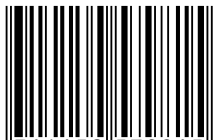
4307/4310

	€		
10-50 mm	80,82	1	4307
22-100 mm	109,21	1	4310



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